Appendix J
Residential Sampling Results and Yard-Specific Maps

Appendix J
Residential Sampling Results and Yard-Specific Maps

Soil sampling was conducted on residential properties located in the vicinity of the former Iron King Mine and Humboldt Smelter properties and within or near the area of potential site impact (APSI). Multiple phases of sampling were performed, with the most extensive sampling efforts occurring between 2008 and 2012 and between 2013 and 2014. In total, approximately 6,300 soil samples were collected.

This appendix includes a tabulated summary of analytical results, lead concentration figures, and arsenic concentration figures for approximately 490 residential yards sampled as part of the Iron King Mine – Humboldt Smelter Superfund Site investigations. Yards included in both the Residential Yard-Specific Risk (RYSR) and Residential Screening Area Risk (RSAR) sampling are shown on the maps in this appendix.

Soil removal actions were performed at selected residential and municipal properties in 2006 and 2007 by Brown and Caldwell on behalf of Ironite Products Company (Brown and Caldwell, 2007) and in 2011 by EPA (E & E, 2012). To allow a comprehensive evaluation of the current and historical nature, extent, and contaminant transport pathways, pre-removal concentrations are included in this appendix. Because the removed media no longer contributes to risks associated with the Site, however, pre-removal concentrations are excluded from the risk assessments.

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- Table J-2 – Summary of Soil Analytical Results for Residential Yards

Figures

- Arsenic Distribution in Surface Soil – Map book with figures illustrating arsenic concentrations in samples collected at each yard
- Lead Distribution in Surface Soil – Map book with figures illustrating lead concentrations in samples collected at each yard

Works Cited

Brown and Caldwell. 2007. *Removal Action Completion Report.* September 25.

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Ecology and Environment, Inc. (E & E). 2012. *Iron King Mine – Humboldt Smelter Removal Report, Dewey-Humboldt, Yavapai County, Arizona.* June.

Lockheed Martin Scientific, Engineering, Response and Analytical Services (Lockheed Martin SERAS). 2015. *Final Report Iron King Mine Site, Dewey-Humboldt, Arizona*. Prepared for Donald Bussey, EPA/ERT. February 3.

U.S. Environmental Protection Agency (EPA). 2015a. *Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites.* Available online at: http://www.epa.gov/region09/superfund/prg/index.html. Accessed June 2015.

Tables

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
13601 E AGUA FRIA LN	402-11-003	167A
13605 E AGUA FRIA LN	402-11-004C	115
13611 E AGUA FRIA LN	402-11-004B	199
13619 E AGUA FRIA LN	402-11-005	106
13650 E AGUA FRIA LN	402-05-073	183
13800 E AGUA FRIA LN	402-05-087B	1912
13880 E AGUA FRIA LN	402-05-089	1911
13950 E AGUA FRIA LN	402-05-090	1910
13030 E AGUA FRIA RANCH RD	402-11-046C	3001
E AGUA FRIA RANCH RD	402-11-038L	3010
12375 E ALPINE RIDGE RD	402-08-083H	2108
12385 E ALPINE RIDGE RD	402-08-083J	2109
ALPINE RIDGE RD	402-08-027Q	2102
ALPINE RIDGE RD	402-08-083A	2110
2770 S AZURITE ST	402-07-089	187
2790 S AZURITE ST	402-07-009A	265
2820 S AZURITE ST	402-07-009E	131
2820 S AZURITE ST	402-07-009E	136
2860 S AZURITE ST	402-07-011A	303
2875 S AZURITE ST	402-06-028J	105A
2875 S AZURITE ST	402-06-028J	105B
2877 S AZURITE ST	402-06-028S	108
2250 S BAILEY HILL RD	402-08-059V	1302
2265 S BAILEY HILL RD	402-08-070	1301
2295 S BAILEY HILL RD	402-08-061C	1303
13783 E BRADSHAW RD	402-05-065	45065
13825 E BRADSHAW RD	402-05-064B	242
13830 E BRADSHAW RD	402-05-008A	1809
2484 S BUTTE ST	402-06-015Z	1601
2485 S BUTTE ST	402-06-015N	1608
2500 S BUTTE ST	402-06-120	1602
2511 S BUTTE ST	402-06-015Q	1610
2525 S BUTTE ST	402-06-015P	1611
2530 S BUTTE ST	402-06-125	1603
2530 S Butte St	402-06-125A	1605
2545 S BUTTE ST	402-06-015T	1612
2565 S BUTTE ST	402-06-015U	1613
2600 S BUTTE ST	402-06-116B	1604
2608 S BUTTE ST	402-06-119G	1513
2649 S BUTTE ST	402-06-044H	2507
2650 S BUTTE ST	402-06-049	257
2670 S BUTTE ST	402-06-053C	2526
2690 S BUTTE ST	402-06-053A	216
2770 S BUTTE ST	402-07-084A	181
2775 S BUTTE ST	402-07-085A	152
2816 S BUTTE ST	402-07-024B	179

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
2850 S BUTTE ST	402-07-025D	2612
2895 S BUTTE ST	402-07-018H	192
S BUTTE ST	402-07-023B	2615
2715 S CALUMET ST	402-06-078A	2535
2745 S CALUMET ST	402-06-082	230
2746 S CALUMET ST	402-06-076	311
2790 S CALUMET ST	402-07-031A	141
2797 S CALUMET ST	402-07-022B	2606
2819 S CALUMET ST	402-07-020A	149
2827 S CALUMET ST	402-07-028D	138A
2827 S CALUMET ST	402-07-028D	138B
2827 S CALUMET ST	402-07-028D	138C
2855 S CALUMET ST	402-07-019A	308
2875 S CALUMET ST	402-07-027	2610
12765 E CHAPARRAL ST	402-10-046A	2437A
12775 E CHAPARRAL ST	402-10-046B	2437A
12802 E CHAPARRAL ST	402-10-025	2434
12821 E CHAPARRAL ST	402-10-048B	137
12835 E CHAPARRAL ST	402-10-048C	2439A
12838 E CHAPARRAL ST	402-10-023	153
12845 E CHAPARRAL ST	402-10-049C	2439A
12848 E CHAPARRAL ST	402-10-022	2435
12855 E CHAPARRAL ST	402-10-049D	2439A
12858 E CHAPARRAL ST	402-10-020A	310
12928 E CHAPARRAL ST	402-10-037	196
13025 E CLAYBANK CT	402-06-118F	1519
13070 E CLAYBANK CT	402-06-118P	1515
13075 E CLAYBANK CT	402-06-118G	1520
13090 E CLAYBANK CT	402-06-118K	1517
13100 E CLAYBANK CT	402-06-118L	1518
13014 E COBB CT	402-06-124	1511
13020 E COBB CT	402-06-124B	1527
2560 S COLINA LN	402-08-017B	157
2569 S COLINA LN	402-08-014D	2205
2583 S COLINA LN	402-08-016D	175
2591 S COLINA LN	402-08-014E	172
2620 S COLINA LN	402-08-016H	245
2655 S COLINA LN	402-08-012D	113
2680 S COLINA LN	402-08-015Y	112
2707 S COLINA LN	402-08-012B	166
2734 S COLINA LN	402-08-026B	2216
S COLINA LN	402-08-012E	114
13340 E COMMANCHE TRL	402-07-097C	1703
13380 E COMMANCHE TRL	402-07-098	1704
12516 E CORLEY ST	402-08-023	171 and O04
12541 E CORLEY ST	402-08-024A	2214

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
12541 E Corley St	402-08-025B	2215
2728 S CORRAL ST	402-09-032	2401
2730 S CORRAL ST	402-09-020A	2403
2732 S CORRAL ST	402-09-031	2404
2735 S CORRAL ST	402-09-030C	251
2735 S CORRAL ST	402-09-030C	251
2656 S DANA ST	402-06-042A	2511
2672 S DANA ST	402-06-047	2523
2714 S DANA ST	402-06-084	2538
2715 S DANA ST	402-06-095	2539
2792 S DANA ST	402-07-017N	263
2797 S DANA ST	402-07-008A	248
2810 S DANA ST	402-07-017L	169
2832 S DANA ST	402-07-017G	120
2840 S DANA ST	402-07-017H	116
2847 S DANA ST	402-07-008C	193
2851 S DANA ST	402-07-008B	104
2874 S DANA ST	402-07-018	240
2875 S DANA ST	402-07-012A	146
2650 S DUNHAM DR	402-09-005C	2312
2680 S DUNHAM DR	402-09-005B	2313
2280 S EDDS SAND TRL	402-06-019D	250
2289 S EDDS SAND TRL	402-06-109P	1426A
2300 S EDDS SAND TRL	402-06-018G	1418
2315 S EDDS SAND TRL	402-06-001F	1423
2331 S EDDS SAND TRL	402-06-001G	1424
2365 S EDDS SAND TRL	402-06-113E	1422
2370 S EDDS SAND TRL	402-06-002H	1417
2375 S EDDS SAND TRL	402-06-113S	1421
2395 S EDDS SAND TRL	402-06-109J	1426B
2405 S EDDS SAND TRL	402-06-113R	1420
2830 S FIRST ST	402-08-066M	O08
2845 S FIRST ST	402-10-050D	117
2873 S FIRST ST	402-10-050C	147
2901 S FIRST ST	402-10-050A	2444
S FIRST ST	402-08-044F	O07B
S FIRST ST	402-08-044D	O07D
13920 E GALAXY VIEW WAY	402-05-093C	1906
13933 E GALAXY VIEW WAY	402-05-092A	1908
2610 S GREEN VALLEY WAY	402-05-005	2749
2698 S GREEN VALLEY WAY	402-05-004	2748
2711 S GREEN VALLEY WAY	402-05-066	45066
2770 S GREEN VALLEY WAY	402-05-080C	2806
2800 S GREEN VALLEY WAY	402-05-080D	2805
2845 S GREEN VALLEY WAY	402-05-083	1917
2850 S GREEN VALLEY WAY	402-05-077A	2808

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
2895 S GREEN VALLEY WAY	402-05-085A	1915
2915 S GREEN VALLEY WAY	402-05-085B	1914
2975 S GREEN VALLEY WAY	402-05-087A	1913
2990 S GREEN VALLEY WAY	402-05-074	2810
3125 S GREEN VALLEY WAY	402-11-033H	2903
3150 S GREEN VALLEY WAY	402-11-032A	2901
3194 S GREEN VALLEY WAY	402-11-031D	167B
3194 S GREEN VALLEY WAY	402-11-031C	167C
3250 S GREEN VALLEY WAY	402-11-037T	201
3718 S GREEN VALLEY WAY	402-11-072E	3006B
2412 S HECLA ST	402-06-003F	1429
2440 S HECLA ST	402-06-003H	1431
2485 S HECLA ST	402-06-117F	1506
2490 S HECLA ST	402-06-117T	1504
2500 S HECLA ST	402-06-117U	1503
2505 S HECLA ST	402-06-117W	1507
2510 S HECLA ST	402-06-117R	1502
2535 S HECLA ST	402-06-117N	1528
2550 S HECLA ST	402-09-023G	2394
2559 S HECLA ST	402-06-124F	1532
2668 S HECLA ST	402-09-021	123
2668 S HECLA ST	402-09-021	124
2671 S HECLA ST	402-06-062	2530
2715 S HECLA ST	402-06-071A	2532
2745 S HECLA ST	402-06-073	168
2769 S HECLA ST	402-07-079	189
2775 S HECLA ST	402-07-078	189
2778 S HECLA ST	402-10-002C	231
2787 S HECLA ST	402-07-030A	180
2820 S HECLA ST	402-10-005A	222
2845 S HECLA ST	402-07-030C	2691
2852 S HECLA ST	402-06-102U	2410
S HECLA ST	402-09-075	124
S HECLA ST	402-07-030B	180
S HECLA ST	402-07-078A	189
2480 S HILL ST	402-06-113N	1341
2525 S HILL ST	402-09-014	2322
2535 S HILL ST	402-09-016A	2319A
2545 S HILL ST	402-09-016C	2318
2551 S HILL ST	402-09-016B	2319A
2557 S HILL ST	402-09-016G	211
2560 S HILL ST	402-09-017L	2304
2565 S HILL ST	402-09-016D	208
2570 S HILL ST	402-09-017K	2305
2575 S HILL ST	402-09-016H	244
2584 S HILL ST	402-09-017G	2308

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
2585 S HILL ST	402-09-016E	210
2590 S HILL ST	402-09-017H	2307
2595 S HILL ST	402-09-016F	218
2620 S HILL ST	402-09-009E	2310
2625 S HILL ST	402-09-006A	219
2630 S HILL ST	402-09-009F	241
2635 S HILL ST	402-09-006C	220
2645 S HILL ST	402-09-006D	220
2669 S HILL ST	402-09-007	209
2685 S HILL ST	402-09-008	2311
2689 S HILL ST	402-08-058	267
2699 S HILL ST	402-08-043	164
2845 S HOLIDAY DR	402-05-077B	2807
2846 S HOLIDAY DR	402-05-070A	253
2848 S HOLIDAY DR	402-05-070B	268
2900 S HOLIDAY DR	402-05-071C	237
2925 S HOLIDAY DR	402-05-075	160
2990 S HOLIDAY DR	402-05-072	2804
12824 E HUMBOLDT ST	402-09-010A	2315
12825 E HUMBOLDT ST	402-09-005A	2314
2520 S HURON ST	402-09-026A	2325
2525 S HURON ST	402-09-023K	2326
2527 S HURON ST	402-09-023L	2327
2532 S HURON ST	402-09-026C	2324
2535 S HURON ST	402-09-023F	2328
2540 S HURON ST	402-09-026B	2323
2545 S HURON ST	402-09-023H	2329
2565 S HURON ST	402-09-023J	2330
2578 S HURON ST	402-09-012C	212
2586 S HURON ST	402-09-012B	2317
2610 S HURON ST	402-09-012A	2316
2895 S IRONITE AVE	402-08-037E	264
2895 S IRONITE AVE	402-08-037E	264
2645 S JONES ST	402-07-062A	234 and 45J
2655 S JONES ST	402-07-062B	228 and 55J
2660 S Jones St	402-07-052L	165 and 60J
2660 S JONES ST	402-07-052M	227 and 70J
2670 S JONES ST	402-07-061B	227 and 70J
2680 S JONES ST	402-07-060A	80J
2685 S JONES ST	402-07-063B	236 and 85J
2701 S JONES ST	402-07-064G	174
2720 S JONES ST	402-07-059B	2726
2724 S JONES ST	402-07-055A	2719
2724 S JONES ST	402-07-055A	2725
2725 S JONES ST	402-07-065D	173
2733 S JONES ST	402-07-065A	2736

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
2738 S JONES ST	402-07-058	2724
2745 S JONES ST	402-07-066	207
2750 S JONES ST	402-07-057	2723
12904 E KLOSS AVE	402-08-010A	1339
12930 E KLOSS AVE	402-08-059P	1340
12980 E KLOSS AVE	402-08-082A	1312
LAURENCE DR	402-08-098	1109
LAURENCE DR	402-08-097	1110
LAURENCE DR	402-08-096	1111
LAURENCE DR	402-08-095	1112
LAURENCE DR	402-08-093	1114
LAURENCE DR	402-08-119	1121
LAURENCE DR	402-08-120	1122
LAURENCE DR	402-08-121	1123
13555 E LAZY RIVER DR	402-05-069	2801
13580 E LAZY RIVER DR	402-05-001G	2743D
13600 E LAZY RIVER DR	402-05-001E	191B
13622 E LAZY RIVER DR	402-05-001D	191A
13625 E LAZY RIVER DR	402-05-079	261
13845 E LAZY RIVER DR	402-05-081	1902
13933 E LAZY RIVER DR	402-05-096C	1903
13250 E MAGGY TRL	402-11-047B	3009
E MACILVAIN RD	402-08-033	1101A
E MACILVAIN RD	402-08-033A	1101B
E MACILVAIN RD	402-08-031B	1104A
E MACILVAIN RD	402-08-027U	1104B
E MAGGY TRAIL	402-11-038Y	3005
E MAGGY TRAIL	402-11-038G	3008
E MAGGY TRAIL	402-11-038Z	3006A
13290 E MAGGY TRL	402-11-047C	3004
12735 E MAIN ST	402-08-044E	O07C
12755 E MAIN ST	402-08-039D	134
12755 E MAIN ST	402-08-044A	O06
12755 E MAIN ST	402-08-044B	O07A
12809 E MAIN ST	402-10-073	2433
12827 E MAIN ST	402-10-012	2430
12835 E MAIN ST	402-10-013	2430
12847 E MAIN ST	402-10-014	2429
12870 E MAIN ST	402-10-006A	2490
12899 E MAIN ST	402-10-015	2428
12901 E MAIN ST	402-10-016	2427
12908 E MAIN ST	402-10-008A	232
12910 E MAIN ST	402-10-009A	2417
12912 E MAIN ST	402-10-010A	2417
12913 E MAIN ST	402-10-017	2426
12922 E MAIN ST	402-10-011A	2416

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
12925 E MAIN ST	402-10-018	2425
12938 E MAIN ST	402-10-026A	2415
12955 E MAIN ST	402-10-031A	2422
12967 E MAIN ST	402-10-032	195
12972 E MAIN ST	402-10-028A	176
12982 E MAIN ST	402-10-029A	307
12995 E MAIN ST	402-10-041	198
13003 E MAIN ST	402-07-090	198
13005 E MAIN ST	402-07-091	198
13007 E MAIN ST	402-07-092	190
13011 E MAIN ST	402-07-093C	190
13027 E MAIN ST	402-07-094	190
13030 E MAIN ST	402-07-002B	103
13052 E MAIN ST	402-07-004	142
13070 E MAIN ST	402-07-006	133
13080 E MAIN ST	402-07-007C	119
12990 E MARAVILLA DR	402-02-269U	1208
E MARAVILLA DR	402-02-269R	1206
13022 E MCCABE ST	402-06-060	2502
13035 E MCCABE ST	402-06-059	2502
13045 E MCCABE ST	402-06-058	2504
13049 E MCCABE ST	402-06-057	2505
13120 E MCCABE ST	402-06-015A	1624
13153 E MCCABE ST	402-06-043S	2508
13153 E MCCABE ST	402-06-043R	2509
13160 E MCCABE ST	402-06-108	1621B
13165 E MCCABE ST	402-06-043P	2509
13172 E MCCABE ST	402-06-009	1621A
13175 E MCCABE ST	402-06-035A	2512
13200 E MCCABE ST	402-06-010	1620
13215 E MCCABE ST	402-06-033	2514
13220 E MCCABE ST	402-06-010B	1619
13225 E MCCABE ST	402-06-032	2515
13245 E MCCABE ST	402-06-030	2516
13250 E MCCABE ST	402-06-011A	1618
12301 E MIDNIGHT SKY DR	402-08-031A	1102
12350 E MIDNIGHT SKY DR	402-08-029P	2103A
12350 E MIDNIGHT SKY DR	402-08-029Q	2103B
12850 E MIRAGE RD	402-08-069L	1316
12855 E MIRAGE RD	402-08-072	1324
12875 E MIRAGE RD	402-08-069M	1325
12900 E MIRAGE RD	402-08-080C	1319
12905 E MIRAGE RD	402-08-069R	1327
12925 E MIRAGE RD	402-08-069S	1328
13030 E NEWPORT RD	402-06-121B	1530
13050 E NEWPORT RD	402-06-121C	1531

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
13090 E NEWPORT RD	402-06-118J	1522
2200 S OLD BLACK CANYON HWY	402-06-110C	1401
2272 S OLD BLACK CANYON HWY	402-06-112K	1403
2272 S OLD BLACK CANYON HWY	402-06-112K	1405
2280 S OLD BLACK CANYON HWY	402-06-113W	1411A
2290 S OLD BLACK CANYON HWY	402-06-123A	1411B
2565 S OLD BLACK CANYON HWY	402-07-038	2713B
2662 S OLD BLACK CANYON HWY	402-06-031	2517
2671 S OLD BLACK CANYON HWY	402-07-053	163
2689 S OLD BLACK CANYON HWY	402-07-054	2718
2723 S OLD BLACK CANYON HWY	402-07-055B	2720
2737 S OLD BLACK CANYON HWY	402-07-055C	204
2749 S OLD BLACK CANYON HWY	402-07-056	205
2885 S OMEGA DR	402-08-071P	249
2905 S OMEGA DR	402-08-071Q	2457
2935 S OMEGA DR	402-08-071R	2458
2945 S OMEGA DR	402-08-071S	2459A
2955 S OMEGA DR	402-08-071L	2459B
2975 S OMEGA DR	402-08-071K	309
2985 S OMEGA DR	402-08-071H	2462
S OMEGA DR	402-08-071T	2456
12480 E Orange Rock Rd	402-08-081	1106
12480 E ORANGE ROCK RD	402-08-081A	1107
12485 E ORANGE ROCK RD	402-08-029L	2105
12496 E ORANGE ROCK RD	402-08-027N	1108
12505 E ORANGE ROCK RD	402-08-060Q	2112
12511 E ORANGE ROCK RD	402-08-060J	2115
12519 E ORANGE ROCK RD	402-08-060R	2114
12525 E ORANGE ROCK RD	402-08-060L	2111A
12589 E ORANGE ROCK RD	402-08-060N	2111B
12637 E ORANGE ROCK RD	402-08-028V	2116
12678 E ORANGE ROCK RD	402-08-094	1113
12691 E ORANGE ROCK RD	402-08-060	2117
12769 E ORANGE ROCK RD	402-08-060D	2118
E ORANGE ROCK RD	402-08-089	1116
E ORANGE ROCK RD	402-08-091	1119
2530 S PARKER ST	402-08-061	170B
2549 S PARKER ST	402-08-018T	156
2555 S PARKER ST	402-08-018Q	159
2584 S PARKER ST	402-08-062	170A
2585 S PARKER ST	402-08-015Z	159
2625 S PARKER ST	402-08-085B	121
2630 S PARKER ST	402-08-019H	158
2680 S PARKER ST	402-08-019L	2209
S PARKER ST	402-08-018U	157
13029 E PHOENIX ST	402-06-070	162

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
13030 E PHOENIX ST	402-06-064A	2529
13040 E PHOENIX ST	402-06-066	262
13050 E PHOENIX ST	402-06-067A	2527
13070 E PHOENIX ST	402-06-051A	217
13101 E PHOENIX ST	402-06-077	2536
13130 E PHOENIX ST	402-06-045	2525
13143 E PHOENIX ST	402-06-085A	2537
13204 E PHOENIX ST	402-06-037	2522
13206 E PHOENIX ST	402-06-038A	2521
13215 E PHOENIX ST	402-06-094B	2540
13219 E PHOENIX ST	402-06-094A	2541
13221 E PHOENIX ST	402-06-093	2542
13224 E PHOENIX ST	402-06-040A	2520
13226 E PHOENIX ST	402-06-040B	145
13239 E PHOENIX ST	402-06-092	135
13240 E PHOENIX ST	402-06-041	2518
12892 E PRESCOTT ST	402-09-019B	2402
12941 E PRESCOTT ST	402-10-004D	177
13032 E PRESCOTT ST	402-06-074E	178
13032 E PRESCOTT ST	402-06-074E	247
13059 E PRESCOTT ST	402-07-080	188
13065 E PRESCOTT ST	402-07-081A	182
13075 E PRESCOTT ST	402-07-082B	2603
13095 E PRESCOTT ST	402-07-083A	2602
13100 E PRESCOTT ST	402-06-083	2550
13140 E PRESCOTT ST	402-06-089	2549
13150 E PRESCOTT ST	402-06-090B	238
13155 E PRESCOTT ST	402-07-087D	194
13165 E PRESCOTT ST	402-07-087E	243
13185 E PRESCOTT ST	402-07-088	144
13190 E PRESCOTT ST	402-06-096	213
13197 E PRESCOTT ST	402-07-089A	139
13210 E PRESCOTT ST	402-06-097	140
13215 E PRESCOTT ST	402-07-089C	239
13220 E PRESCOTT ST	402-06-098A	2545
13231 E PRESCOTT ST	402-07-089D	2693
13325 E PRESCOTT ST	402-06-028R	107A
13325 E PRESCOTT ST	402-06-028R	107B
13358 E PRESCOTT ST	402-07-064C	173
13370 E PRESCOTT ST	402-07-068	155
13380 E PRESCOTT ST	402-07-069	2740
13394 E PRESCOTT ST	402-07-070A	129
13420 E PRESCOTT ST	402-07-073A	122
13425 E PRESCOTT ST	402-06-028M	203A
13425 E PRESCOTT ST	402-06-028M	203B
13430 E PRESCOTT ST	402-07-074A	2741

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
13475 E PRESCOTT ST	402-06-028K	221
13488 E PRESCOTT ST	402-07-075G	2743BC
13496 E PRESCOTT ST	402-07-075E	2743A
13496 E PRESCOTT ST	402-07-075E	2743E
13498 E PRESCOTT ST	402-07-075J	2743BC
13530 E PRESCOTT ST	402-07-075K	150
E PRESCOTT ST	402-06-028U	109
E PRESCOTT ST	402-09-019E	2402
E PRESCOTT ST	402-10-074C	2406
E PRESCOTT ST	800-27-006M	2407
E PRESCOTT ST	402-10-074D	2408
E PRESCOTT ST	402-06-102R	2409
2627 S RENO DR	402-08-020E	197
12669 E RICHARDS LN	402-08-066T	2449
12679 E RICHARDS LN	402-08-040A	O09
12689 E RICHARDS LN	402-10-066A	O13
12690 E RICHARDS LN	402-10-061B	O11
12701 E RICHARDS LN	402-10-067	O14
12712 E RICHARDS LN	402-10-062	O12
12721 E RICHARDS LN	402-10-068	O15
12743 E RICHARDS LN	402-10-070E	223
12752 E RICHARDS LN	402-10-064F	225A
12767 E RICHARDS LN	402-08-045C	214A
12769 E RICHARDS LN	402-10-069A	O16
12770 E RICHARDS LN	402-10-064D	224
12772 E RICHARDS LN	402-10-060A	225A
12776 E RICHARDS LN	402-10-063C	O17
12786 E RICHARDS LN	402-10-058	225C
12798 E RICHARDS LN	402-10-055C	226
12818 E RICHARDS LN	402-10-055A	226
2880 S SECOND ST	402-10-019C	110
13206 E SHAWNEE LN	402-07-104	1710
13215 E SHAWNEE LN	402-07-106	206
13311 E SHAWNEE LN	402-07-107	2701
13335 E SHAWNEE LN	402-07-108	2702
13370 E SHAWNEE LN	402-07-100	1706
13420 E SHAWNEE LN	402-07-099	1705
2902 S SLEEPY ACRE LN	402-05-092B	1907
2990 S SLEEPY ACRE LN	402-05-091	1909
2215 S STATE ROUTE 69	402-08-028F	1201
2316 S STATE ROUTE 69	402-08-028Z	2119A
2316 S STATE ROUTE 69	402-08-028Z	2119B
2370 S STATE ROUTE 69	402-08-070A	1308
2430 S STATE ROUTE 69	402-08-029K	255
2460 S STATE ROUTE 69	402-08-029J	2201
2480 S STATE ROUTE 69	402-08-030L	254

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
2490 S STATE ROUTE 69	402-08-029C	2202
2514 S STATE ROUTE 69	402-08-041Y	2204
2520 S STATE ROUTE 69	402-08-041Z	2203
2555 S STATE ROUTE 69	402-08-032C	2393
2581 S STATE ROUTE 69	402-08-032D	2396
2735 S STATE ROUTE 69	402-08-079B	266
12940 E STONEWALL DR	402-08-061M	1304
12960 E STONEWALL DR	402-08-061H	1305
2905 S SWEET PEA LN	402-06-102K	118
2925 S SWEET PEA LN	402-06-102L	111
2945 S SWEET PEA LN	402-06-102M	148
2985 S SWEET PEA LN	402-06-102X	101
2985 S SWEET PEA LN	402-06-102X	102
13023 E SWENSONS ALLEY	402-06-063	2530
13151 E SWENSONS ALLEY	402-06-046	2524
13098 E THIRD ALLEY	402-07-026C	186
13151 E THIRD ALLEY	402-07-018F	161
13220 E THIRD ST	402-07-012D	256
13230 E THIRD ST	402-07-012C	235
2875 S THIRD ST	402-06-102P	132
2893 S THIRD ST	402-07-001	143
2912 S THIRD ST	402-10-033	2420
2913 S THIRD ST	402-10-039	143
2918 S THIRD ST	402-10-051	215A
2931 S THIRD ST	402-10-040	233
2940 S THIRD ST	402-10-052	215B
2940 S THIRD ST	402-10-052	215C
2945 S THIRD ST	402-10-034A	184
2951 S THIRD ST	402-10-044A	151
2971 S THIRD ST	402-10-043B	202
3026 S THIRD ST	402-08-064A	185
3047 S THIRD ST	402-08-039	252
S THIRD ST	402-08-045D	214B
13680 E TRAILS END	402-24-057	1801
13705 E TRAILS END	402-24-060	1804
13805 E TRAILS END	402-05-006C	1806
13863 E TRAILS END	402-05-008B	1807
12749 E VALLEY ST	402-10-061A	O10
2133 S VILLA REAL DR	402-02-269S	1203
13280 E WELLS ST	402-07-040A	2715
13279 E WELLS ST	402-07-052J	130
13280 E WELLS ST	402-07-039	2713B
13300 E WELLS ST	402-07-040B	258 and 00W
13318 E Wells St	402-07-042	246 and 30W
13322 E WELLS ST	402-07-044B	2710
13330 E WELLS ST	402-07-042A	246 and 30W

TABLE J-1

Cross Reference for Street Address, Parcel Number, and Yard ID for RYSR and RSAR Areas

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Street Address[a]	Parcel Number	Yard ID
13336 E WELLS ST	402-07-041	229 and 36W
13340 E WELLS ST	402-07-044D	40W
13353 E WELLS ST	402-07-077F	2756
13356 E WELLS ST	402-07-044A	2710
13363 E WELLS ST	402-07-077E	2755
13370 E Wells St	402-07-045A	2708
13370 E WELLS ST	402-07-043	2709
13395 E WELLS ST	402-07-077A	2753
13400 E WELLS ST	402-07-047	2707
13414 E WELLS ST	402-07-051A	2704
13455 E WELLS ST	402-07-076	2752
13460 E WELLS ST	402-07-049A	2704
13225 E WINDING VIEW DR	402-11-069N	3015
E WINDING VIEW DR	402-11-069F	3011
E WINDING VIEW DR	402-11-069H	3012
E WINDING VIEW DR	402-11-069K	3013A
E WINDING VIEW DR	402-11-069L	3013B
E WINDING VIEW DR	402-02-269W	42269W
12514 E YAVAPAI ST	402-08-019R	O03
12550 E YAVAPAI ST	402-08-019S	2211
12569 E YAVAPAI ST	402-08-022	154

Notes:

[a] Yards that do not have an associated address are listed by street name.

RSAR = Residential Screening Area Risk

RYSR = Residential Yard-Specific Risk

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 101: 2985 S SWEET PEA LN (402-06-102X)										
Metals										
Aluminum	22300	8330	77000	Residential RSL	35600	11	11	0	0	--
Antimony	5.5	1	31	Residential RSL	2.42	11	10	0	3	--
Arsenic	318	19	194	Residential 10-4 risk	112	11	11	1	1	--
Cadmium	8.6	1.4	70	Residential RSL	0.824	11	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	58.3	9.6	23	Residential RSL	43.6	11	11	2	1	--
Copper	7250	90.2	3100	Residential RSL	182	11	11	1	9	--
Cyanide	--	--	21	Residential RSL	N/A	11	0	0	N/A	--
Iron	43800	15100	55000	Residential RSL	71900	11	11	0	0	--
Lead	238	42.9	140	Provisional RSL	N/A	11	11	2	11	--
Lead	238	42.9	400	Residential RSL	34.8	11	11	0	11	--
Manganese	1370	320	1800	Residential RSL	1600	11	11	0	0	--
Mercury	1.7	0.19	23	Residential RSL	0.0795	11	11	0	11	--
Silver	3.7	0.3	390	Residential RSL	N/A	11	11	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	11	0	0	0	--
Zinc	5590	175	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 102: 2985 S SWEET PEA LN (402-06-102X)										
Metals										
Aluminum	22200	13200	77000	Residential RSL	35600	10	10	0	0	--
Antimony	5.7	0.61	31	Residential RSL	2.42	10	9	0	2	--
Arsenic	61.2	10.4	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3.6	1.3	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18.2	13.5	23	Residential RSL	43.6	10	10	0	0	--
Copper	860	42.8	3100	Residential RSL	182	10	10	0	4	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	34600	24200	55000	Residential RSL	71900	10	10	0	0	--
Lead	120	10.9	140	Provisional RSL	N/A	10	10	0	8	--
Lead	120	10.9	400	Residential RSL	34.8	10	10	0	8	--
Manganese	1100	496	1800	Residential RSL	1600	10	10	0	0	--
Mercury	1.3	0.04	23	Residential RSL	0.0795	10	9	0	8	--
Silver	2.8	0.11	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	603	62.9	23000	Residential RSL	136	10	10	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 103: 13030 E MAIN ST (402-07-002B)										
Metals										
Aluminum	18400	9840	77000	Residential RSL	35600	10	10	0	0	--
Antimony	9.2	1	31	Residential RSL	2.42	10	10	0	3	Y
Arsenic	116	17.5	194	Residential 10-4 risk	112	10	10	0	1	Y
Cadmium	9.4	1.1	70	Residential RSL	0.824	10	10	0	10	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.6	11.3	23	Residential RSL	43.6	10	10	0	0	--
Copper	245	38.6	3100	Residential RSL	182	10	10	0	1	Y
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	32000	25900	55000	Residential RSL	71900	10	10	0	0	--
Lead	665	12.7	140	Provisional RSL	N/A	10	10	3	8	Y
Lead	665	12.7	400	Residential RSL	34.8	10	10	1	8	Y
Manganese	778	519	1800	Residential RSL	1600	10	10	0	0	--
Mercury	4.1	0.033	23	Residential RSL	0.0795	10	10	0	8	Y
Silver	3.5	0.17	390	Residential RSL	N/A	10	8	0	N/A	Y
Thallium	0.38	0.38	0.78	Residential RSL	2.8	10	1	0	0	Y
Zinc	2410	77.2	23000	Residential RSL	136	10	10	0	8	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 104: 2851 S DANA ST (402-07-008B)										
Metals										
Aluminum	17200	9810	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.9	0.61	31	Residential RSL	2.42	10	8	0	0	--
Arsenic	42.8	9.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3.5	1.2	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	24.3	14.7	23	Residential RSL	43.6	10	10	1	0	--
Copper	357	32.9	3100	Residential RSL	182	10	10	0	4	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	44400	26200	55000	Residential RSL	71900	10	10	0	0	--
Lead	65.8	11.1	140	Provisional RSL	N/A	10	10	0	6	--
Lead	65.8	11.1	400	Residential RSL	34.8	10	10	0	6	--
Manganese	4500	1070	1800	Residential RSL	1600	10	10	1	2	--
Mercury	0.28	0.056	23	Residential RSL	0.0795	10	7	0	4	--
Silver	0.55	0.098	390	Residential RSL	N/A	10	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	336	61.2	23000	Residential RSL	136	10	10	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 105A: 2875 S AZURITE ST (402-06-028J)										
Metals										
Aluminum	23300	5930	77000	Residential RSL	35600	11	11	0	0	--
Antimony	3.8	0.61	31	Residential RSL	2.42	11	8	0	4	--
Arsenic	89.4	8.5	194	Residential 10-4 risk	112	27	27	0	0	--
Cadmium	3.1	1.2	70	Residential RSL	0.824	11	9	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.6	5.1	23	Residential RSL	43.6	11	11	0	0	--
Copper	429	18.4	3100	Residential RSL	182	27	27	0	6	--
Cyanide	--	--	21	Residential RSL	N/A	9	0	0	N/A	--
Iron	57100	14700	55000	Residential RSL	71900	27	27	2	0	--
Lead	84.7	9.7	140	Provisional RSL	N/A	27	27	0	17	--
Lead	84.7	9.7	400	Residential RSL	34.8	27	27	0	17	--
Manganese	2060	346	1800	Residential RSL	1600	27	27	1	5	--
Mercury	0.24	0.042	23	Residential RSL	0.0795	10	7	0	1	--
Silver	0.83	0.15	390	Residential RSL	N/A	11	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	11	0	0	0	--
Zinc	657	51.9	23000	Residential RSL	136	27	27	0	21	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 105B: 2875 S AZURITE ST (402-06-028J)										
Metals										
Aluminum	105000	101000	77000	Residential RSL	35600	2	2	2	2	--
Antimony	39.4	38.7	31	Residential RSL	2.42	2	2	2	2	--
Arsenic	92.7	18.9	194	Residential 10-4 risk	112	8	8	0	0	--
Cadmium	18.3	17.1	70	Residential RSL	0.824	2	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.8	13.7	23	Residential RSL	43.6	2	2	0	0	--
Copper	4830	24.4	3100	Residential RSL	182	8	8	2	2	--
Cyanide	--	--	21	Residential RSL	N/A	2	0	0	N/A	--
Iron	37400	20000	55000	Residential RSL	71900	8	8	0	0	--
Lead	698	8.17	140	Provisional RSL	N/A	8	8	3	5	--
Lead	698	8.17	400	Residential RSL	34.8	8	8	2	5	--
Manganese	876	542	1800	Residential RSL	1600	8	8	0	0	--
Mercury	0.36	0.28	23	Residential RSL	0.0795	2	2	0	2	--
Silver	10.1	8	390	Residential RSL	N/A	2	2	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	4800	86.6	23000	Residential RSL	136	8	8	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 106: 13619 E AGUA FRIA LN (402-11-005)										
Metals										
Aluminum	36800	11700	77000	Residential RSL	35600	13	13	0	1	--
Antimony	5.2	0.43	31	Residential RSL	2.42	13	7	0	1	--
Arsenic	277	15.4	194	Residential 10-4 risk	112	28	28	2	4	--
Cadmium	3.2	0.86	70	Residential RSL	0.824	13	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	43.4	14	23	Residential RSL	43.6	13	13	9	0	--
Copper	204	29.4	3100	Residential RSL	182	28	28	0	3	--
Cyanide	0.11	0.11	21	Residential RSL	N/A	11	1	0	N/A	--
Iron	104000	21500	55000	Residential RSL	71900	28	28	10	5	--
Lead	81.7	7.2	140	Provisional RSL	N/A	28	28	0	13	--
Lead	81.7	7.2	400	Residential RSL	34.8	28	28	0	13	--
Manganese	7170	431	1800	Residential RSL	1600	28	28	3	3	--
Mercury	0.3	0.025	23	Residential RSL	0.0795	13	9	0	4	--
Silver	0.6	0.14	390	Residential RSL	N/A	13	7	0	N/A	--
Thallium	0.38	0.38	0.78	Residential RSL	2.8	13	1	0	0	--
Zinc	202	37.8	23000	Residential RSL	136	28	28	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 107A: 13325 E PRESCOTT ST (402-06-028R)										
Metals										
Aluminum	39100	39100	77000	Residential RSL	35600	1	1	0	1	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	137	24.6	194	Residential 10-4 risk	112	14	14	0	5	--
Cadmium	4.5	4.5	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	23.4	23.4	23	Residential RSL	43.6	1	1	1	0	--
Copper	715	40.3	3100	Residential RSL	182	14	14	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	65400	34000	55000	Residential RSL	71900	14	14	3	0	--
Lead	444	27.3	140	Provisional RSL	N/A	14	14	9	12	--
Lead	444	27.3	400	Residential RSL	34.8	14	14	1	12	--
Manganese	1500	686	1800	Residential RSL	1600	14	14	0	0	--
Mercury	0.31	0.31	23	Residential RSL	0.0795	1	1	0	1	--
Silver	1.9	1.9	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	1020	101	23000	Residential RSL	136	14	14	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 107B: 13325 E PRESCOTT ST (402-06-028R)										
Metals										
Aluminum	54500	11600	77000	Residential RSL	35600	13	13	0	5	--
Antimony	13.6	1.7	31	Residential RSL	2.42	13	10	0	8	--
Arsenic	377	5.5	194	Residential 10-4 risk	112	34	34	4	15	--
Cadmium	11.8	0.78	70	Residential RSL	0.824	13	13	0	12	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	23.7	13.1	23	Residential RSL	43.6	13	13	1	0	--
Copper	2690	29.2	3100	Residential RSL	182	34	34	0	11	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	107000	25300	55000	Residential RSL	71900	34	34	5	2	--
Lead	785	9.2	140	Provisional RSL	N/A	34	34	21	29	--
Lead	785	9.2	400	Residential RSL	34.8	34	34	9	29	--
Manganese	3480	452	1800	Residential RSL	1600	34	34	2	2	--
Mercury	0.71	0.12	23	Residential RSL	0.0795	13	11	0	11	--
Silver	8.4	0.69	390	Residential RSL	N/A	13	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	13	0	0	0	--
Zinc	1520	46	23000	Residential RSL	136	34	34	0	30	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 108: 2877 S AZURITE ST (402-06-028S)										
Metals										
Aluminum	40100	13400	77000	Residential RSL	35600	12	12	0	2	--
Antimony	14.1	0.48	31	Residential RSL	2.42	12	11	0	6	--
Arsenic	346	11.4	194	Residential 10-4 risk	112	31	31	3	7	--
Cadmium	9.4	1.2	70	Residential RSL	0.824	12	12	0	12	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	22.4	7.9	23	Residential RSL	43.6	12	12	0	0	--
Copper	2460	40.4	3100	Residential RSL	182	31	31	0	11	--
Cyanide	0.64	0.64	21	Residential RSL	N/A	9	1	0	N/A	--
Iron	68400	23200	55000	Residential RSL	71900	31	31	3	0	--
Lead	1430	16.7	140	Provisional RSL	N/A	31	31	14	28	--
Lead	1430	16.7	400	Residential RSL	34.8	31	31	6	28	--
Manganese	4700	289	1800	Residential RSL	1600	31	31	3	6	--
Mercury	1.5	0.063	23	Residential RSL	0.0795	12	10	0	8	--
Silver	8.2	0.31	390	Residential RSL	N/A	12	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	12	0	0	0	--
Zinc	2590	58.1	23000	Residential RSL	136	31	31	0	28	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 109: E PRESCOTT ST (402-06-028U)										
Metals										
Aluminum	63800	17300	77000	Residential RSL	35600	11	11	0	5	--
Antimony	20.2	0.65	31	Residential RSL	2.42	10	10	0	9	--
Arsenic	236	13.6	194	Residential 10-4 risk	112	24	23	4	10	--
Cadmium	11.5	1.5	70	Residential RSL	0.824	11	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	22.8	2	23	Residential RSL	43.6	11	11	0	0	--
Copper	2840	26.5	3100	Residential RSL	182	24	24	0	9	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	47500	4840	55000	Residential RSL	71900	24	24	0	0	--
Lead	996	8.17	140	Provisional RSL	N/A	24	24	19	22	--
Lead	996	8.17	400	Residential RSL	34.8	24	24	6	22	--
Manganese	974	202	1800	Residential RSL	1600	24	24	0	0	--
Mercury	1.2	0.048	23	Residential RSL	0.0795	11	11	0	10	--
Silver	5.7	1.3	390	Residential RSL	N/A	11	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	11	0	0	0	--
Zinc	3240	74.9	23000	Residential RSL	136	24	24	0	22	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 110: 2880 S SECOND ST (402-10-019C)										
Metals										
Aluminum	14300	6700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2	0.57	31	Residential RSL	2.42	10	2	0	0	--
Arsenic	45.3	10.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2	0.58	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.2	6.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	85.7	25.8	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	28700	16300	55000	Residential RSL	71900	10	10	0	0	--
Lead	148	9.7	140	Provisional RSL	N/A	10	10	1	5	--
Lead	148	9.7	400	Residential RSL	34.8	10	10	0	5	--
Manganese	839	342	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.23	0.058	23	Residential RSL	0.0795	10	7	0	5	--
Silver	1.1	0.093	390	Residential RSL	N/A	10	6	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	426	59.5	23000	Residential RSL	136	10	10	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1101A: E MACILVAIN RD (402-08-033)										
Metals										
Aluminum	18100	18100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	98.2	18.1	194	Residential 10-4 risk	112	13	13	0	0	--
Cadmium	0.1	0.1	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.3	11.3	23	Residential RSL	43.6	1	1	0	0	--
Copper	44.1	20.4	3100	Residential RSL	182	13	13	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	45100	34000	55000	Residential RSL	71900	11	11	0	0	--
Lead	38.7	5.8	140	Provisional RSL	N/A	13	11	0	4	--
Lead	38.7	5.8	400	Residential RSL	34.8	13	11	0	4	--
Manganese	1310	548	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.028	0.028	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	226	64.8	23000	Residential RSL	136	13	13	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1101B: E MACILVAIN RD (402-08-033A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	206	25.7	194	Residential 10-4 risk	112	11	11	1	4	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	31.6	21.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	55100	36800	55000	Residential RSL	71900	11	11	1	0	--
Lead	68.2	9.38	140	Provisional RSL	N/A	11	9	0	4	--
Lead	68.2	9.38	400	Residential RSL	34.8	11	9	0	4	--
Manganese	966	567	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	328	93.3	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1102: 12301 E MIDNIGHT SKY DR (402-08-031A)										
Metals										
Aluminum	23900	20500	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	197	13.1	194	Residential 10-4 risk	112	17	17	1	1	--
Cadmium	--	--	70	Residential RSL	0.824	3	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.7	13	23	Residential RSL	43.6	3	3	0	0	--
Copper	47.4	21.3	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	63300	31900	55000	Residential RSL	71900	17	17	2	0	--
Lead	21.4	8.17	140	Provisional RSL	N/A	17	9	0	N/A	--
Lead	21.4	8.17	400	Residential RSL	34.8	17	9	0	0	--
Manganese	1670	420	1800	Residential RSL	1600	17	17	0	1	--
Mercury	0.038	0.024	23	Residential RSL	0.0795	3	3	0	0	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	194	66.9	23000	Residential RSL	136	17	17	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1104A: E MACILVAIN RD (402-08-031B)										
Metals										
Aluminum	16900	16900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	98.2	14.2	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	1	1	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.6	11.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	55.9	22.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39600	28000	55000	Residential RSL	71900	11	11	0	0	--
Lead	86.6	11.3	140	Provisional RSL	N/A	11	11	0	6	--
Lead	86.6	11.3	400	Residential RSL	34.8	11	11	0	6	--
Manganese	1090	455	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.26	0.26	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	309	46.4	23000	Residential RSL	136	11	11	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1104B: E MACILVAIN RD (402-08-027U)										
Metals										
Aluminum	17800	16700	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	175	33.7	194	Residential 10-4 risk	112	17	17	0	5	--
Cadmium	1.4	0.42	70	Residential RSL	0.824	2	2	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.3	12.4	23	Residential RSL	43.6	2	2	0	0	--
Copper	73.7	24.1	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	44300	35200	55000	Residential RSL	71900	17	17	0	0	--
Lead	99.5	9.38	140	Provisional RSL	N/A	17	17	0	7	--
Lead	99.5	9.38	400	Residential RSL	34.8	17	17	0	7	--
Manganese	830	495	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.38	0.14	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	404	107	23000	Residential RSL	136	17	17	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1106: 12480 E ORANGE ROCK RD (402-08-081)										
Metals										
Aluminum	27700	14500	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	160	14.2	194	Residential 10-4 risk	112	23	22	0	2	--
Cadmium	0.42	0.16	70	Residential RSL	0.824	3	3	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.9	11.4	23	Residential RSL	43.6	3	3	0	0	--
Copper	38.3	20.4	3100	Residential RSL	182	23	23	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39900	27400	55000	Residential RSL	71900	23	23	0	0	--
Lead	129	10.6	140	Provisional RSL	N/A	23	23	0	11	--
Lead	129	10.6	400	Residential RSL	34.8	23	23	0	11	--
Manganese	1230	511	1800	Residential RSL	1600	23	23	0	0	--
Mercury	0.13	0.045	23	Residential RSL	0.0795	3	3	0	1	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	384	53.7	23000	Residential RSL	136	23	23	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1107: 12480 E ORANGE ROCK RD (402-08-081A)										
Metals										
Aluminum	19800	13100	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	107	17.7	194	Residential 10-4 risk	112	23	22	0	0	--
Cadmium	0.41	0.19	70	Residential RSL	0.824	2	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.1	10.5	23	Residential RSL	43.6	2	2	0	0	--
Copper	44.4	22.9	3100	Residential RSL	182	23	23	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	43700	27700	55000	Residential RSL	71900	23	23	0	0	--
Lead	80.1	12.4	140	Provisional RSL	N/A	23	23	0	8	--
Lead	80.1	12.4	400	Residential RSL	34.8	23	23	0	8	--
Manganese	934	471	1800	Residential RSL	1600	23	23	0	0	--
Mercury	0.13	0.036	23	Residential RSL	0.0795	2	2	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	259	36.7	23000	Residential RSL	136	23	23	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1108: 12496 E ORANGE ROCK RD (402-08-027N)										
Metals										
Aluminum	25600	19000	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	101	13.1	194	Residential 10-4 risk	112	26	25	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	3	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.8	12.8	23	Residential RSL	43.6	3	3	0	0	--
Copper	114	23.9	3100	Residential RSL	182	26	26	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39800	26300	55000	Residential RSL	71900	24	24	0	0	--
Lead	101	8.2	140	Provisional RSL	N/A	26	26	0	10	--
Lead	101	8.2	400	Residential RSL	34.8	26	26	0	10	--
Manganese	802	453	1800	Residential RSL	1600	24	24	0	0	--
Mercury	0.34	0.032	23	Residential RSL	0.0795	3	3	0	2	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	356	41	23000	Residential RSL	136	26	25	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1109: LAURENCE DR (402-08-098)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	60.6	10	194	Residential 10-4 risk	112	6	6	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	39.6	24.2	3100	Residential RSL	182	6	6	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38900	36100	55000	Residential RSL	71900	2	2	0	0	--
Lead	44	7.81	140	Provisional RSL	N/A	6	6	0	2	--
Lead	44	7.81	400	Residential RSL	34.8	6	6	0	2	--
Manganese	870	807	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	181	50.3	23000	Residential RSL	136	6	6	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 111: 2925 S SWEET PEA LN (402-06-102L)										
Metals										
Aluminum	21000	7830	77000	Residential RSL	35600	10	10	0	0	Y
Antimony	24	1.6	31	Residential RSL	2.42	10	8	0	7	Y
Arsenic	290	5.6	194	Residential 10-4 risk	112	10	10	2	5	Y
Cadmium	14.5	0.69	70	Residential RSL	0.824	10	10	0	9	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	21.3	10.3	23	Residential RSL	43.6	10	10	0	0	Y
Copper	4430	34.2	3100	Residential RSL	182	10	10	1	9	Y
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	42200	18100	55000	Residential RSL	71900	10	10	0	0	Y
Lead	1450	15.3	140	Provisional RSL	N/A	10	10	7	9	Y
Lead	1450	15.3	400	Residential RSL	34.8	10	10	7	9	Y
Manganese	1240	278	1800	Residential RSL	1600	10	10	0	0	Y
Mercury	10.4	0.19	23	Residential RSL	0.0795	10	9	0	9	Y
Silver	9.2	0.92	390	Residential RSL	N/A	10	9	0	N/A	Y
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	3580	61.1	23000	Residential RSL	136	10	10	0	9	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1110: LAURENCE DR (402-08-097)										
Metals										
Aluminum	11800	11800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	2.1	2.1	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	62.9	17.6	194	Residential 10-4 risk	112	5	5	0	0	--
Cadmium	1.3	1.3	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.2	15.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	73.8	36.2	3100	Residential RSL	182	5	5	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39000	39000	55000	Residential RSL	71900	1	1	0	0	--
Lead	79.3	15.3	140	Provisional RSL	N/A	5	5	0	3	--
Lead	79.3	15.3	400	Residential RSL	34.8	5	5	0	3	--
Manganese	411	411	1800	Residential RSL	1600	1	1	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	3.5	3.5	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	235	58.8	23000	Residential RSL	136	5	5	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1111: LAURENCE DR (402-08-096)										
Metals										
Aluminum	16100	16100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	90.5	59.5	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.8	13.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	111	33.6	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	42900	33900	55000	Residential RSL	71900	4	4	0	0	--
Lead	81	53.2	140	Provisional RSL	N/A	4	4	0	4	--
Lead	81	53.2	400	Residential RSL	34.8	4	4	0	4	--
Manganese	830	637	1800	Residential RSL	1600	4	4	0	0	--
Mercury	0.22	0.22	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	272	183	23000	Residential RSL	136	4	4	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1112: LAURENCE DR (402-08-095)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	90.5	55	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	41.5	32.5	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	43400	34800	55000	Residential RSL	71900	4	4	0	0	--
Lead	53.2	46.5	140	Provisional RSL	N/A	4	4	0	4	--
Lead	53.2	46.5	400	Residential RSL	34.8	4	4	0	4	--
Manganese	902	636	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	183	170	23000	Residential RSL	136	4	4	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1113: 12678 E ORANGE ROCK RD (402-08-094)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	58.7	23.3	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	102	34	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	0	0	0	0	--
Lead	68.3	18.6	140	Provisional RSL	N/A	2	2	0	1	--
Lead	68.3	18.6	400	Residential RSL	34.8	2	2	0	1	--
Manganese	--	--	1800	Residential RSL	1600	0	0	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	248	82.6	23000	Residential RSL	136	2	2	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1114: LAURENCE DR (402-08-093)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	69.5	22.3	194	Residential 10-4 risk	112	6	6	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	54.9	25	3100	Residential RSL	182	6	6	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	40100	36500	55000	Residential RSL	71900	4	4	0	0	--
Lead	58.4	22.2	140	Provisional RSL	N/A	6	6	0	2	--
Lead	58.4	22.2	400	Residential RSL	34.8	6	6	0	2	--
Manganese	814	640	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	179	65.9	23000	Residential RSL	136	6	6	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1116: E ORANGE ROCK RD (402-08-089)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	57.2	49.4	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	37.1	28.9	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	41900	39700	55000	Residential RSL	71900	3	3	0	0	--
Lead	45.6	28.1	140	Provisional RSL	N/A	3	3	0	2	--
Lead	45.6	28.1	400	Residential RSL	34.8	3	3	0	2	--
Manganese	766	706	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	176	139	23000	Residential RSL	136	3	3	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1119: E ORANGE ROCK RD (402-08-091)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	96	39.3	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	38.6	33	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	44900	37700	55000	Residential RSL	71900	3	3	0	0	--
Lead	76.4	29.6	140	Provisional RSL	N/A	3	3	0	2	--
Lead	76.4	29.6	400	Residential RSL	34.8	3	3	0	2	--
Manganese	803	646	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	248	125	23000	Residential RSL	136	3	3	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 112: 2680 S COLINA LN (402-08-015Y)										
Metals										
Aluminum	19000	10800	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	36.3	12.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.4	0.84	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.4	14.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	52.4	34.9	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	44800	28900	55000	Residential RSL	71900	10	10	0	0	--
Lead	23	10.9	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	23	10.9	400	Residential RSL	34.8	10	10	0	0	--
Manganese	1100	603	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.075	0.032	23	Residential RSL	0.0795	10	4	0	0	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	200	57	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1121: LAURENCE DR (402-08-119)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	57.2	14.2	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	41.2	22.9	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37300	29900	55000	Residential RSL	71900	4	4	0	0	--
Lead	62.8	16.5	140	Provisional RSL	N/A	4	4	0	2	--
Lead	62.8	16.5	400	Residential RSL	34.8	4	4	0	2	--
Manganese	1020	781	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	184	53.7	23000	Residential RSL	136	4	4	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1122: LAURENCE DR (402-08-120)										
Metals										
Aluminum	24600	24600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	67.3	48.3	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12	12	23	Residential RSL	43.6	1	1	0	0	--
Copper	88.9	32.9	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	41500	37200	55000	Residential RSL	71900	4	4	0	0	--
Lead	55	26.5	140	Provisional RSL	N/A	4	4	0	3	--
Lead	55	26.5	400	Residential RSL	34.8	4	4	0	3	--
Manganese	779	690	1800	Residential RSL	1600	4	4	0	0	--
Mercury	0.097	0.097	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	173	133	23000	Residential RSL	136	4	4	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1123: LAURENCE DR (402-08-121)										
Metals										
Aluminum	25200	25200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	60.6	23.6	194	Residential 10-4 risk	112	6	6	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.7	13.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	127	33.2	3100	Residential RSL	182	6	6	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	44300	37200	55000	Residential RSL	71900	4	4	0	0	--
Lead	63.6	19.7	140	Provisional RSL	N/A	6	6	0	3	--
Lead	63.6	19.7	400	Residential RSL	34.8	6	6	0	3	--
Manganese	1050	674	1800	Residential RSL	1600	4	4	0	0	--
Mercury	0.044	0.044	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	194	84.8	23000	Residential RSL	136	6	6	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 113: 2655 S COLINA LN (402-08-012D)										
Metals										
Aluminum	17400	7.4	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	41.2	4.8	194	Residential 10-4 risk	112	10	9	0	0	--
Cadmium	1.5	0.14	70	Residential RSL	0.824	10	9	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.6	0.14	23	Residential RSL	43.6	10	10	0	0	--
Copper	46.1	0.3	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	33800	13.7	55000	Residential RSL	71900	10	10	0	0	--
Lead	30.8	0.37	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	30.8	0.37	400	Residential RSL	34.8	10	10	0	0	--
Manganese	901	0.4	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.14	0.036	23	Residential RSL	0.0795	10	5	0	3	--
Silver	0.13	0.13	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	428	0.3	23000	Residential RSL	136	10	10	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 114: S COLINA LN (402-08-012E)										
Metals										
Aluminum	17000	10700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	4.3	1.1	31	Residential RSL	2.42	10	5	0	2	--
Arsenic	151	7.9	194	Residential 10-4 risk	112	10	10	0	3	--
Cadmium	2.4	0.66	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.2	9.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	66.4	25	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	38000	26100	55000	Residential RSL	71900	10	10	0	0	--
Lead	117	7.5	140	Provisional RSL	N/A	10	10	0	6	--
Lead	117	7.5	400	Residential RSL	34.8	10	10	0	6	--
Manganese	714	439	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.54	0.038	23	Residential RSL	0.0795	10	9	0	6	--
Silver	0.49	0.094	390	Residential RSL	N/A	10	4	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	469	54.9	23000	Residential RSL	136	10	10	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 115: 13605 E AGUA FRIA LN (402-11-004C)										
Metals										
Aluminum	32700	5060	77000	Residential RSL	35600	12	12	0	0	--
Antimony	--	--	31	Residential RSL	2.42	12	0	0	0	--
Arsenic	81.7	3.6	194	Residential 10-4 risk	112	28	28	0	0	--
Cadmium	3	0.48	70	Residential RSL	0.824	12	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	32.5	6.2	23	Residential RSL	43.6	12	12	9	0	--
Copper	223	25.9	3100	Residential RSL	182	28	28	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	54700	10200	55000	Residential RSL	71900	28	28	0	0	--
Lead	126	6.7	140	Provisional RSL	N/A	28	27	0	11	--
Lead	126	6.7	400	Residential RSL	34.8	28	27	0	11	--
Manganese	1050	255	1800	Residential RSL	1600	28	28	0	0	--
Mercury	0.091	0.027	23	Residential RSL	0.0795	12	7	0	1	--
Silver	0.3	0.2	390	Residential RSL	N/A	12	2	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	12	0	0	0	--
Zinc	281	45.2	23000	Residential RSL	136	28	28	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 116: 2840 S DANA ST (402-07-017H)										
Metals										
Aluminum	19300	12900	77000	Residential RSL	35600	10	10	0	0	--
Antimony	148	0.51	31	Residential RSL	2.42	10	4	1	2	--
Arsenic	677	16.5	194	Residential 10-4 risk	112	10	10	1	2	--
Cadmium	5.1	1.9	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.8	11.7	23	Residential RSL	43.6	10	10	0	0	--
Copper	266	40.3	3100	Residential RSL	182	10	10	0	1	--
Cyanide	0.33	0.33	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	35400	30400	55000	Residential RSL	71900	10	10	0	0	--
Lead	201	13.3	140	Provisional RSL	N/A	10	10	1	3	--
Lead	201	13.3	400	Residential RSL	34.8	10	10	0	3	--
Manganese	3070	677	1800	Residential RSL	1600	10	10	1	1	--
Mercury	0.73	0.038	23	Residential RSL	0.0795	10	9	0	4	--
Silver	33.9	0.095	390	Residential RSL	N/A	10	8	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	814	64.2	23000	Residential RSL	136	10	10	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 117: 2845 S FIRST ST (402-10-050D)										
Metals										
Aluminum	17500	10400	77000	Residential RSL	35600	10	10	0	0	--
Antimony	5.6	0.57	31	Residential RSL	2.42	10	6	0	3	--
Arsenic	168	14.6	194	Residential 10-4 risk	112	12	12	0	3	--
Cadmium	4.4	1.7	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.8	14.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	56.6	23	3100	Residential RSL	182	12	12	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	38400	27300	55000	Residential RSL	71900	10	10	0	0	--
Lead	172	8	140	Provisional RSL	N/A	12	12	2	5	--
Lead	172	8	400	Residential RSL	34.8	12	12	0	5	--
Manganese	750	530	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.57	0.05	23	Residential RSL	0.0795	10	8	0	6	--
Silver	1.1	0.14	390	Residential RSL	N/A	10	5	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	713	57.2	23000	Residential RSL	136	12	12	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 118: 2905 S SWEET PEA LN (402-06-102K)										
Metals										
Aluminum	20100	11100	77000	Residential RSL	35600	10	10	0	0	Y
Antimony	47.1	6.1	31	Residential RSL	2.42	10	10	1	10	Y
Arsenic	308	51.7	194	Residential 10-4 risk	112	10	10	3	5	Y
Cadmium	15.7	2.9	70	Residential RSL	0.824	10	10	0	10	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	20.9	10	23	Residential RSL	43.6	10	10	0	0	Y
Copper	1560	193	3100	Residential RSL	182	10	10	0	10	Y
Cyanide	0.54	0.28	21	Residential RSL	N/A	10	4	0	N/A	Y
Iron	49300	24400	55000	Residential RSL	71900	10	10	0	0	Y
Lead	2950	280	140	Provisional RSL	N/A	10	10	10	10	Y
Lead	2950	280	400	Residential RSL	34.8	10	10	9	10	Y
Manganese	989	329	1800	Residential RSL	1600	10	10	0	0	Y
Mercury	14.4	0.63	23	Residential RSL	0.0795	10	10	0	10	Y
Silver	15.9	3.1	390	Residential RSL	N/A	10	10	0	N/A	Y
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	3330	332	23000	Residential RSL	136	10	10	0	10	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 119: 13080 E MAIN ST (402-07-007C)										
Metals										
Aluminum	19800	10800	77000	Residential RSL	35600	10	10	0	0	--
Antimony	7.1	0.79	31	Residential RSL	2.42	10	7	0	1	--
Arsenic	103	14.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	6.7	1.6	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.9	11.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	163	32.4	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.33	0.33	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	39100	22300	55000	Residential RSL	71900	10	10	0	0	--
Lead	383	11.3	140	Provisional RSL	N/A	10	10	2	8	--
Lead	383	11.3	400	Residential RSL	34.8	10	10	0	8	--
Manganese	1090	394	1800	Residential RSL	1600	10	10	0	0	--
Mercury	1.2	0.042	23	Residential RSL	0.0795	10	8	0	6	--
Silver	1.9	0.2	390	Residential RSL	N/A	10	8	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	1500	66.7	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 120: 2832 S DANA ST (402-07-017G)										
Metals										
Aluminum	23700	9270	77000	Residential RSL	35600	11	11	0	0	--
Antimony	160	1.1	31	Residential RSL	2.42	11	5	1	1	--
Arsenic	47.2	11.9	194	Residential 10-4 risk	112	15	15	0	0	--
Cadmium	2.3	0.53	70	Residential RSL	0.824	11	11	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.5	9.3	23	Residential RSL	43.6	11	11	0	0	--
Copper	76	27.3	3100	Residential RSL	182	15	15	0	0	--
Cyanide	6.5	0.29	21	Residential RSL	N/A	10	6	0	N/A	--
Iron	38000	20400	55000	Residential RSL	71900	15	15	0	0	--
Lead	18100	13.8	140	Provisional RSL	N/A	15	15	2	3	--
Lead	18100	13.8	400	Residential RSL	34.8	15	15	2	3	--
Manganese	1160	526	1800	Residential RSL	1600	15	15	0	0	--
Mercury	0.08	0.039	23	Residential RSL	0.0795	11	3	0	1	--
Silver	0.093	0.093	390	Residential RSL	N/A	11	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	11	0	0	0	--
Zinc	272	70.2	23000	Residential RSL	136	15	15	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1201: 2215 S STATE ROUTE 69 (402-08-028F)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	61.7	17.7	194	Residential 10-4 risk	112	6	6	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	40.4	29.9	3100	Residential RSL	182	6	6	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	42700	31100	55000	Residential RSL	71900	6	6	0	0	--
Lead	63.7	20.7	140	Provisional RSL	N/A	6	6	0	5	--
Lead	63.7	20.7	400	Residential RSL	34.8	6	6	0	5	--
Manganese	822	599	1800	Residential RSL	1600	6	6	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	157	78.8	23000	Residential RSL	136	6	6	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1203: 2133 S VILLA REAL DR (402-02-269S)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	52.8	37	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	38.2	34.7	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	33100	31200	55000	Residential RSL	71900	4	4	0	0	--
Lead	59.3	44.8	140	Provisional RSL	N/A	4	4	0	4	--
Lead	59.3	44.8	400	Residential RSL	34.8	4	4	0	4	--
Manganese	629	543	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	179	140	23000	Residential RSL	136	4	4	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1206: E MARAVILLA DR (402-02-269R)										
Metals										
Aluminum	17100	17100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	21.1	13.9	194	Residential 10-4 risk	112	4	3	0	0	--
Cadmium	0.14	0.14	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.1	14.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	31.7	26.9	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34500	25100	55000	Residential RSL	71900	4	4	0	0	--
Lead	35.9	8.9	140	Provisional RSL	N/A	4	4	0	1	--
Lead	35.9	8.9	400	Residential RSL	34.8	4	4	0	1	--
Manganese	906	740	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	113	57.8	23000	Residential RSL	136	4	4	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1208: 12990 E MARAVILLA DR (402-02-269U)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	18.9	15.4	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	31.5	27.5	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29400	23100	55000	Residential RSL	71900	3	3	0	0	--
Lead	33.5	15.9	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	33.5	15.9	400	Residential RSL	34.8	3	3	0	0	--
Manganese	626	464	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	111	70.9	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 121: 2625 S PARKER ST (402-08-085B)										
Metals										
Aluminum	25600	7660	77000	Residential RSL	35600	12	12	0	0	--
Antimony	--	--	31	Residential RSL	2.42	12	0	0	0	--
Arsenic	80	6.5	194	Residential 10-4 risk	112	27	27	0	0	--
Cadmium	3.2	0.75	70	Residential RSL	0.824	12	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	20.3	6.1	23	Residential RSL	43.6	12	12	0	0	--
Copper	58.9	15.4	3100	Residential RSL	182	27	27	0	0	--
Cyanide	0.63	0.6	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	55100	13600	55000	Residential RSL	71900	27	27	1	0	--
Lead	167	6.6	140	Provisional RSL	N/A	27	27	1	14	--
Lead	167	6.6	400	Residential RSL	34.8	27	27	0	14	--
Manganese	1650	239	1800	Residential RSL	1600	27	27	0	1	--
Mercury	0.56	0.042	23	Residential RSL	0.0795	12	11	0	9	--
Silver	1	0.12	390	Residential RSL	N/A	12	8	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	12	0	0	0	--
Zinc	426	46.3	23000	Residential RSL	136	27	27	0	23	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 122: 13420 E PRESCOTT ST (402-07-073A)										
Metals										
Aluminum	17900	9570	77000	Residential RSL	35600	10	10	0	0	--
Antimony	15	0.49	31	Residential RSL	2.42	10	4	0	1	--
Arsenic	33.1	12.2	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.9	1.1	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15	7.5	23	Residential RSL	43.6	10	10	0	0	--
Copper	177	36	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.54	0.3	21	Residential RSL	N/A	10	5	0	N/A	--
Iron	32300	17200	55000	Residential RSL	71900	10	10	0	0	--
Lead	192	12.6	140	Provisional RSL	N/A	10	10	1	4	--
Lead	192	12.6	400	Residential RSL	34.8	10	10	0	4	--
Manganese	1420	377	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.41	0.034	23	Residential RSL	0.0795	10	8	0	5	--
Silver	0.54	0.11	390	Residential RSL	N/A	10	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	246	58.4	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 126: 13645 E AGUA FRIA LN (402-11-006)										
Metals										
Aluminum	35200	11400	77000	Residential RSL	35600	12	12	0	0	--
Antimony	2.6	1.5	31	Residential RSL	2.42	12	5	0	1	--
Arsenic	201	20.9	194	Residential 10-4 risk	112	27	27	1	5	--
Cadmium	7.7	2.2	70	Residential RSL	0.824	12	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	39	13	23	Residential RSL	43.6	12	12	11	0	--
Copper	189	25.3	3100	Residential RSL	182	27	27	0	1	--
Cyanide	0.32	0.16	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	160000	27700	55000	Residential RSL	71900	27	27	23	16	--
Lead	76.4	10.1	140	Provisional RSL	N/A	27	26	0	11	--
Lead	76.4	10.1	400	Residential RSL	34.8	27	26	0	11	--
Manganese	3160	620	1800	Residential RSL	1600	27	27	2	7	--
Mercury	0.11	0.025	23	Residential RSL	0.0795	12	5	0	1	--
Silver	0.82	0.19	390	Residential RSL	N/A	12	10	0	N/A	--
Thallium	1.2	0.58	0.78	Residential RSL	2.8	12	3	1	0	--
Zinc	283	78.8	23000	Residential RSL	136	27	27	0	20	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 127: 2971 S THIRD ST (402-10-043C), 3025 S THIRD ST (402-10-054A)										
Metals										
Aluminum	28000	9420	77000	Residential RSL	35600	24	24	0	0	--
Antimony	4	0.52	31	Residential RSL	2.42	24	20	0	3	--
Arsenic	633	7.1	194	Residential 10-4 risk	112	68	68	4	7	--
Cadmium	3.1	0.058	70	Residential RSL	0.824	24	18	0	6	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17	6.2	23	Residential RSL	43.6	24	24	0	0	--
Copper	199	25.3	3100	Residential RSL	182	48	48	0	1	--
Cyanide	0.42	0.1	21	Residential RSL	N/A	20	20	0	N/A	--
Iron	51400	16500	55000	Residential RSL	71900	48	48	0	0	--
Lead	871	9	140	Provisional RSL	N/A	68	68	6	41	--
Lead	871	9	400	Residential RSL	34.8	68	68	2	41	--
Manganese	1800	234	1800	Residential RSL	1600	48	48	1	1	--
Mercury	7.1	0.052	23	Residential RSL	0.0795	23	19	0	17	--
Silver	5.9	0.13	390	Residential RSL	N/A	24	16	0	N/A	--
Thallium	1.1	0.46	0.78	Residential RSL	2.8	24	6	2	0	--
Zinc	790	52.5	23000	Residential RSL	136	48	48	0	41	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 129: 13394 E PRESCOTT ST (402-07-070A)										
Metals										
Aluminum	18000	7340	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.98	0.4	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	34.6	11.2	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.7	0.13	70	Residential RSL	0.824	10	8	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.1	7.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	251	40.5	3100	Residential RSL	182	10	10	0	3	--
Cyanide	0.36	0.088	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	30300	14000	55000	Residential RSL	71900	10	10	0	0	--
Lead	101	11.3	140	Provisional RSL	N/A	10	10	0	7	--
Lead	101	11.3	400	Residential RSL	34.8	10	10	0	7	--
Manganese	1470	479	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.13	0.068	23	Residential RSL	0.0795	10	6	0	5	--
Silver	1.5	0.23	390	Residential RSL	N/A	10	7	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	188	62.3	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 130: 13279 E WELLS ST (402-07-052J)										
Metals										
Aluminum	13100	9890	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.8	1.4	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	24.3	13.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.2	0.36	70	Residential RSL	0.824	10	10	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.6	9.5	23	Residential RSL	43.6	10	10	0	0	--
Copper	157	65.1	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.77	0.12	21	Residential RSL	N/A	10	10	0	N/A	--
Iron	21300	17500	55000	Residential RSL	71900	10	10	0	0	--
Lead	65.8	18.6	140	Provisional RSL	N/A	10	10	0	6	--
Lead	65.8	18.6	400	Residential RSL	34.8	10	10	0	6	--
Manganese	4580	734	1800	Residential RSL	1600	10	10	2	2	--
Mercury	0.17	0.057	23	Residential RSL	0.0795	10	9	0	5	--
Silver	0.43	0.074	390	Residential RSL	N/A	10	7	0	N/A	--
Thallium	0.41	0.41	0.78	Residential RSL	2.8	10	1	0	0	--
Zinc	256	88.6	23000	Residential RSL	136	10	10	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1301: 2265 S BAILEY HILL RD (402-08-070)										
Metals										
Aluminum	22100	22100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	24.6	9.6	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	0.075	0.075	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11	11	23	Residential RSL	43.6	1	1	0	0	--
Copper	31.9	23.7	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36500	33900	55000	Residential RSL	71900	3	3	0	0	--
Lead	25.8	4.3	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	25.8	4.3	400	Residential RSL	34.8	3	3	0	0	--
Manganese	761	596	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	90.4	42.7	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1302: 2250 S BAILEY HILL RD (402-08-059V)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	47.2	18.9	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	35.9	28	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38600	29500	55000	Residential RSL	71900	4	4	0	0	--
Lead	44.8	19.3	140	Provisional RSL	N/A	4	4	0	2	--
Lead	44.8	19.3	400	Residential RSL	34.8	4	4	0	2	--
Manganese	738	623	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	161	62.9	23000	Residential RSL	136	4	4	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1303: 2295 S BAILEY HILL RD (402-08-061C)										
Metals										
Aluminum	10000	10000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	1.6	1.6	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	58.3	8.42	194	Residential 10-4 risk	112	9	9	0	0	--
Cadmium	2	2	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.9	11.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	117	18.8	3100	Residential RSL	182	9	9	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	33400	26700	55000	Residential RSL	71900	4	4	0	0	--
Lead	73.6	11.6	140	Provisional RSL	N/A	9	9	0	5	--
Lead	73.6	11.6	400	Residential RSL	34.8	9	9	0	5	--
Manganese	623	508	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	2.6	2.6	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	227	50.2	23000	Residential RSL	136	9	9	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1304: 12940 E STONEWALL DR (402-08-061M)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	18.9	16.6	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	36.9	28	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30500	26500	55000	Residential RSL	71900	3	3	0	0	--
Lead	40.7	15.2	140	Provisional RSL	N/A	3	3	0	1	--
Lead	40.7	15.2	400	Residential RSL	34.8	3	3	0	1	--
Manganese	678	529	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	111	65.9	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1305: 12960 E STONEWALL DR (402-08-061H)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	17.7	15.4	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	30.8	27.7	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	28700	26400	55000	Residential RSL	71900	2	2	0	0	--
Lead	20	18.6	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	20	18.6	400	Residential RSL	34.8	2	2	0	0	--
Manganese	570	555	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	142	59.9	23000	Residential RSL	136	2	2	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1308: 2370 S STATE ROUTE 69 (402-08-070A)										
Metals										
Aluminum	13600	13600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	51.6	20.9	194	Residential 10-4 risk	112	6	6	0	0	--
Cadmium	0.34	0.34	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.8	8.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	41.9	33.7	3100	Residential RSL	182	6	6	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	33900	28200	55000	Residential RSL	71900	6	6	0	0	--
Lead	50.7	17.3	140	Provisional RSL	N/A	6	6	0	4	--
Lead	50.7	17.3	400	Residential RSL	34.8	6	6	0	4	--
Manganese	822	390	1800	Residential RSL	1600	6	6	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	175	67.6	23000	Residential RSL	136	6	6	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 131: 2820 S AZURITE ST (402-07-009E)										
Metals										
Aluminum	16600	6820	77000	Residential RSL	35600	10	10	0	0	--
Antimony	6	6	31	Residential RSL	2.42	10	10	0	10	--
Arsenic	41.6	8.2	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1	0.11	70	Residential RSL	0.824	10	8	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.2	7.3	23	Residential RSL	43.6	10	10	0	0	--
Copper	351	44.8	3100	Residential RSL	182	10	10	0	3	--
Cyanide	1.1	0.12	21	Residential RSL	N/A	10	10	0	N/A	--
Iron	26400	14900	55000	Residential RSL	71900	10	10	0	0	--
Lead	63.6	12.3	140	Provisional RSL	N/A	10	10	0	6	--
Lead	63.6	12.3	400	Residential RSL	34.8	10	10	0	6	--
Manganese	1820	383	1800	Residential RSL	1600	10	10	1	2	--
Mercury	0.24	0.044	23	Residential RSL	0.0795	10	8	0	3	--
Silver	0.49	0.074	390	Residential RSL	N/A	10	8	0	N/A	--
Thallium	2.5	2.5	0.78	Residential RSL	2.8	10	3	3	0	--
Zinc	335	71.7	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1312: 12980 E KLOSS AVE (402-08-082A)										
Metals										
Aluminum	19000	19000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	52.8	16.6	194	Residential 10-4 risk	112	6	6	0	0	--
Cadmium	0.83	0.83	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.5	11.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	84.1	27.1	3100	Residential RSL	182	6	6	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31700	28000	55000	Residential RSL	71900	6	6	0	0	--
Lead	58.4	21.4	140	Provisional RSL	N/A	6	6	0	3	--
Lead	58.4	21.4	400	Residential RSL	34.8	6	6	0	3	--
Manganese	617	486	1800	Residential RSL	1600	6	6	0	0	--
Mercury	0.18	0.18	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	196	66.9	23000	Residential RSL	136	6	6	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1316: 12850 E MIRAGE RD (402-08-069L)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	17.7	14.2	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	28.9	26.9	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38700	30600	55000	Residential RSL	71900	2	2	0	0	--
Lead	17.2	13.2	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	17.2	13.2	400	Residential RSL	34.8	2	2	0	0	--
Manganese	707	560	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	54.7	53.7	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1319: 12900 E MIRAGE RD (402-08-080C)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	22.3	13.1	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	28.2	26.3	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31500	31000	55000	Residential RSL	71900	2	2	0	0	--
Lead	27.3	18.6	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	27.3	18.6	400	Residential RSL	34.8	2	2	0	0	--
Manganese	617	615	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	163	80.8	23000	Residential RSL	136	2	2	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 132: 2875 S THIRD ST (402-06-102P)										
Metals										
Aluminum	17400	12900	77000	Residential RSL	35600	10	10	0	0	Y
Antimony	19.6	0.8	31	Residential RSL	2.42	10	10	0	5	Y
Arsenic	176	23.5	194	Residential 10-4 risk	112	10	10	0	6	Y
Cadmium	45.7	1.3	70	Residential RSL	0.824	10	10	0	10	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.5	11	23	Residential RSL	43.6	10	10	0	0	Y
Copper	1520	187	3100	Residential RSL	182	10	10	0	10	Y
Cyanide	0.19	0.097	21	Residential RSL	N/A	10	3	0	N/A	Y
Iron	30500	18500	55000	Residential RSL	71900	10	10	0	0	Y
Lead	4090	88.5	140	Provisional RSL	N/A	10	10	9	10	Y
Lead	4090	88.5	400	Residential RSL	34.8	10	10	8	10	Y
Manganese	657	511	1800	Residential RSL	1600	10	10	0	0	Y
Mercury	6.9	0.21	23	Residential RSL	0.0795	10	10	0	10	Y
Silver	10.5	0.56	390	Residential RSL	N/A	10	10	0	N/A	Y
Thallium	0.75	0.75	0.78	Residential RSL	2.8	10	1	0	0	Y
Zinc	3870	310	23000	Residential RSL	136	10	10	0	10	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1324: 12855 E MIRAGE RD (402-08-072)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	22.3	21.1	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	36	28.2	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	47200	34000	55000	Residential RSL	71900	2	2	0	0	--
Lead	22.9	17.2	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	22.9	17.2	400	Residential RSL	34.8	2	2	0	0	--
Manganese	910	697	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	83.7	71.9	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1325: 12875 E MIRAGE RD (402-08-069M)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	72.8	26.9	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	30.5	27.8	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38700	31400	55000	Residential RSL	71900	2	2	0	0	--
Lead	31.9	20.7	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	31.9	20.7	400	Residential RSL	34.8	2	2	0	0	--
Manganese	998	702	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	96.1	42.1	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1327: 12905 E MIRAGE RD (402-08-069R)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	23.4	13.1	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	27.7	27.3	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	28600	23500	55000	Residential RSL	71900	2	2	0	0	--
Lead	20.7	13.8	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	20.7	13.8	400	Residential RSL	34.8	2	2	0	0	--
Manganese	603	491	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	112	97.1	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1328: 12925 E MIRAGE RD (402-08-069S)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	24.6	15.4	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	40.7	33.7	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	66600	28400	55000	Residential RSL	71900	2	2	1	0	--
Lead	24.4	15.2	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	24.4	15.2	400	Residential RSL	34.8	2	2	0	0	--
Manganese	1240	564	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	77.8	44.2	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 133: 13070 E MAIN ST (402-07-006)										
Metals										
Aluminum	22800	8800	77000	Residential RSL	35600	13	13	0	0	Y
Antimony	11	1.5	31	Residential RSL	2.42	13	11	0	8	Y
Arsenic	679	17.7	194	Residential 10-4 risk	112	22	22	5	7	Y
Cadmium	12.6	0.53	70	Residential RSL	0.824	13	13	0	11	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	36.5	7.9	23	Residential RSL	43.6	13	13	1	0	Y
Copper	1640	19.7	3100	Residential RSL	182	22	21	0	7	Y
Cyanide	2	0.088	21	Residential RSL	N/A	11	7	0	N/A	Y
Iron	44300	8810	55000	Residential RSL	71900	22	22	0	0	Y
Lead	3130	10.6	140	Provisional RSL	N/A	22	22	9	12	Y
Lead	3130	10.6	400	Residential RSL	34.8	22	22	8	12	Y
Manganese	1070	381	1800	Residential RSL	1600	22	22	0	0	--
Mercury	18.7	0.03	23	Residential RSL	0.0795	13	13	0	12	Y
Silver	21.1	0.3	390	Residential RSL	N/A	13	11	0	N/A	Y
Thallium	3.6	0.37	0.78	Residential RSL	2.8	13	8	6	2	Y
Zinc	3060	79.8	23000	Residential RSL	136	22	22	0	14	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1339: 12904 E KLOSS AVE (402-08-010A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	29.1	29.1	194	Residential 10-4 risk	112	2	1	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	60.6	26.7	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	26200	26100	55000	Residential RSL	71900	2	2	0	0	--
Lead	28.9	25.8	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	28.9	25.8	400	Residential RSL	34.8	2	2	0	0	--
Manganese	707	599	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	102	91.4	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 134: 12755 E MAIN ST (402-08-039D)										
Metals										
Aluminum	13500	8260	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.5	1.1	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	47.2	13.6	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.63	0.16	70	Residential RSL	0.824	10	5	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.6	6	23	Residential RSL	43.6	10	10	0	0	--
Copper	89.8	34.5	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.14	0.093	21	Residential RSL	N/A	10	5	0	N/A	--
Iron	20500	14300	55000	Residential RSL	71900	10	10	0	0	--
Lead	67.3	21.7	140	Provisional RSL	N/A	10	10	0	5	--
Lead	67.3	21.7	400	Residential RSL	34.8	10	10	0	5	--
Manganese	539	374	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.43	0.071	23	Residential RSL	0.0795	10	9	0	8	--
Silver	0.23	0.078	390	Residential RSL	N/A	10	6	0	N/A	--
Thallium	1.3	0.55	0.78	Residential RSL	2.8	10	7	3	0	--
Zinc	254	87.1	23000	Residential RSL	136	10	10	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1340: 12930 E KLOSS AVE (402-08-059P)										
Metals										
Aluminum	13100	13100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	26.9	16.6	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	0.22	0.22	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.4	11.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	28.2	25	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30400	24300	55000	Residential RSL	71900	3	3	0	0	--
Lead	26.6	18.7	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	26.6	18.7	400	Residential RSL	34.8	3	3	0	0	--
Manganese	792	516	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	106	73.9	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1341: 2480 S HILL ST (402-06-113N)										
Metals										
Aluminum	20800	20800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	18.9	14	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	0.33	0.33	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.7	13.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	38.4	28.7	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29900	25900	55000	Residential RSL	71900	3	3	0	0	--
Lead	89.5	13.8	140	Provisional RSL	N/A	3	3	0	1	--
Lead	89.5	13.8	400	Residential RSL	34.8	3	3	0	1	--
Manganese	706	502	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	157	85.7	23000	Residential RSL	136	3	3	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 135: 13239 E PHOENIX ST (402-06-092)										
Metals										
Aluminum	20800	9740	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.6	1.4	31	Residential RSL	2.42	10	5	0	0	--
Arsenic	73.5	4.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3	0.18	70	Residential RSL	0.824	10	10	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17	6.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	259	54.4	3100	Residential RSL	182	10	10	0	1	--
Cyanide	0.44	0.15	21	Residential RSL	N/A	10	8	0	N/A	--
Iron	32700	18500	55000	Residential RSL	71900	10	10	0	0	--
Lead	278	9.6	140	Provisional RSL	N/A	10	10	1	4	--
Lead	278	9.6	400	Residential RSL	34.8	10	10	0	4	--
Manganese	1930	393	1800	Residential RSL	1600	10	10	1	1	--
Mercury	0.85	0.054	23	Residential RSL	0.0795	10	9	0	5	--
Silver	1.5	0.065	390	Residential RSL	N/A	10	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	857	78	23000	Residential RSL	136	10	10	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 136: 2820 S AZURITE ST (402-07-009E)										
Metals										
Aluminum	20600	11700	77000	Residential RSL	35600	9	9	0	0	--
Antimony	1.9	1.4	31	Residential RSL	2.42	9	3	0	0	--
Arsenic	40.1	10	194	Residential 10-4 risk	112	9	9	0	0	--
Cadmium	3.1	0.36	70	Residential RSL	0.824	9	9	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18	11.9	23	Residential RSL	43.6	9	9	0	0	--
Copper	598	64.6	3100	Residential RSL	182	9	9	0	8	--
Cyanide	0.51	0.18	21	Residential RSL	N/A	9	9	0	N/A	--
Iron	27700	21200	55000	Residential RSL	71900	9	9	0	0	--
Lead	70.7	12.9	140	Provisional RSL	N/A	9	9	0	7	--
Lead	70.7	12.9	400	Residential RSL	34.8	9	9	0	7	--
Manganese	2100	1050	1800	Residential RSL	1600	9	9	3	6	--
Mercury	3.3	0.059	23	Residential RSL	0.0795	9	7	0	3	--
Silver	0.58	0.21	390	Residential RSL	N/A	9	8	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	9	0	0	0	--
Zinc	340	86.9	23000	Residential RSL	136	9	9	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 137: 12821 E CHAPARRAL ST (402-10-048B)										
Metals										
Aluminum	12900	10000	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.7	1.3	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	19.6	8.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.86	0.084	70	Residential RSL	0.824	10	9	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.9	7.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	67.4	34.8	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.21	0.11	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	23800	17300	55000	Residential RSL	71900	10	10	0	0	--
Lead	93.8	11.8	140	Provisional RSL	N/A	10	10	0	6	--
Lead	93.8	11.8	400	Residential RSL	34.8	10	10	0	6	--
Manganese	964	474	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.23	0.049	23	Residential RSL	0.0795	10	9	0	6	--
Silver	0.22	0.075	390	Residential RSL	N/A	10	8	0	N/A	--
Thallium	1	0.41	0.78	Residential RSL	2.8	10	3	1	0	--
Zinc	193	51.6	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 138A: 2827 S CALUMET ST (402-07-028D)										
Metals										
Aluminum	14200	14200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	1.5	1.5	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	56.1	16.6	194	Residential 10-4 risk	112	11	9	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.9	9.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	49.1	29.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35700	19400	55000	Residential RSL	71900	11	11	0	0	--
Lead	303	28.1	140	Provisional RSL	N/A	11	11	5	7	--
Lead	303	28.1	400	Residential RSL	34.8	11	11	0	7	--
Manganese	660	367	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.059	0.059	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	485	77.8	23000	Residential RSL	136	11	11	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 138B: 2827 S CALUMET ST (402-07-028D)										
Metals										
Aluminum	14500	8870	77000	Residential RSL	35600	11	11	0	0	--
Antimony	2.2	0.78	31	Residential RSL	2.42	11	10	0	0	--
Arsenic	241	10	194	Residential 10-4 risk	112	22	22	1	2	--
Cadmium	2.3	0.26	70	Residential RSL	0.824	11	9	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.1	7.3	23	Residential RSL	43.6	11	11	0	0	--
Copper	218	28.2	3100	Residential RSL	182	22	22	0	2	--
Cyanide	2.4	0.12	21	Residential RSL	N/A	10	8	0	N/A	--
Iron	43000	16200	55000	Residential RSL	71900	22	22	0	0	--
Lead	1880	18.6	140	Provisional RSL	N/A	22	22	13	20	--
Lead	1880	18.6	400	Residential RSL	34.8	22	22	2	20	--
Manganese	942	361	1800	Residential RSL	1600	22	22	0	0	--
Mercury	1.2	0.088	23	Residential RSL	0.0795	11	11	0	11	--
Silver	2.2	0.062	390	Residential RSL	N/A	11	10	0	N/A	--
Thallium	0.49	0.37	0.78	Residential RSL	2.8	11	3	0	0	--
Zinc	745	107	23000	Residential RSL	136	22	22	0	18	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 138C: 2827 S CALUMET ST (402-07-028D)										
Metals										
Aluminum	22100	22100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	39.3	16.6	194	Residential 10-4 risk	112	12	12	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.6	15.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	48.8	24.6	3100	Residential RSL	182	12	12	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36500	22800	55000	Residential RSL	71900	12	12	0	0	--
Lead	157	13.8	140	Provisional RSL	N/A	12	12	1	5	--
Lead	157	13.8	400	Residential RSL	34.8	12	12	0	5	--
Manganese	665	486	1800	Residential RSL	1600	12	12	0	0	--
Mercury	0.061	0.061	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	378	52.7	23000	Residential RSL	136	12	12	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 139: 13197 E PRESCOTT ST (402-07-089A)										
Metals										
Aluminum	20700	8890	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.1	0.55	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	18.9	11.5	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.056	0.056	70	Residential RSL	0.824	10	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.6	7.7	23	Residential RSL	43.6	10	10	0	0	--
Copper	82.9	55.4	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.27	0.11	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	26900	14600	55000	Residential RSL	71900	10	10	0	0	--
Lead	36.2	17.2	140	Provisional RSL	N/A	10	10	0	1	--
Lead	36.2	17.2	400	Residential RSL	34.8	10	10	0	1	--
Manganese	2920	506	1800	Residential RSL	1600	10	10	2	2	--
Mercury	0.093	0.054	23	Residential RSL	0.0795	10	7	0	1	--
Silver	0.064	0.063	390	Residential RSL	N/A	10	2	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	203	69.4	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 140: 13210 E PRESCOTT ST (402-06-097)										
Metals										
Aluminum	17500	13800	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2	0.7	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	29.2	18.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.9	0.17	70	Residential RSL	0.824	10	10	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.9	10.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	372	105	3100	Residential RSL	182	10	10	0	3	--
Cyanide	0.76	0.26	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	27500	21300	55000	Residential RSL	71900	10	10	0	0	--
Lead	147	53.9	140	Provisional RSL	N/A	10	10	2	10	--
Lead	147	53.9	400	Residential RSL	34.8	10	10	0	10	--
Manganese	2230	801	1800	Residential RSL	1600	10	10	1	1	--
Mercury	0.34	0.058	23	Residential RSL	0.0795	10	10	0	8	--
Silver	1	0.15	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	0.91	0.91	0.78	Residential RSL	2.8	10	1	1	0	--
Zinc	318	135	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1401: 2200 S OLD BLACK CANYON HWY (402-06-110C)										
Metals										
Aluminum	10200	10200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	15.4	12.2	194	Residential 10-4 risk	112	3	2	0	0	--
Cadmium	0.61	0.61	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	7.4	7.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	71.1	28.6	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	20200	19000	55000	Residential RSL	71900	3	3	0	0	--
Lead	43.1	26.6	140	Provisional RSL	N/A	3	3	0	1	--
Lead	43.1	26.6	400	Residential RSL	34.8	3	3	0	1	--
Manganese	427	399	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	110	89.9	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 141: 2790 S CALUMET ST (402-07-031A)										
Metals										
Aluminum	16700	8610	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2	0.81	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	115	29.8	194	Residential 10-4 risk	112	17	17	0	1	--
Cadmium	3.8	0.73	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.5	7.5	23	Residential RSL	43.6	10	10	0	0	--
Copper	892	39.7	3100	Residential RSL	182	17	17	0	4	--
Cyanide	0.97	0.15	21	Residential RSL	N/A	10	10	0	N/A	--
Iron	34200	16900	55000	Residential RSL	71900	17	17	0	0	--
Lead	746	101	140	Provisional RSL	N/A	17	17	16	17	--
Lead	746	101	400	Residential RSL	34.8	17	17	5	17	--
Manganese	962	340	1800	Residential RSL	1600	17	17	0	0	--
Mercury	2	0.26	23	Residential RSL	0.0795	10	10	0	10	--
Silver	6	0.49	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	1020	338	23000	Residential RSL	136	17	17	0	17	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1411A: 2280 S OLD BLACK CANYON HWY (402-06-113W)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	17.7	16.6	194	Residential 10-4 risk	112	3	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	27.8	25	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	24900	20500	55000	Residential RSL	71900	3	3	0	0	--
Lead	20.7	16.5	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	20.7	16.5	400	Residential RSL	34.8	3	3	0	0	--
Manganese	777	546	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	148	81.7	23000	Residential RSL	136	3	3	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1411B: 2290 S OLD BLACK CANYON HWY (402-06-123A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	41.6	41.6	194	Residential 10-4 risk	112	2	1	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	28	27.3	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	47600	24900	55000	Residential RSL	71900	2	2	0	0	--
Lead	25.1	24.4	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	25.1	24.4	400	Residential RSL	34.8	2	2	0	0	--
Manganese	1140	440	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	90.4	68.9	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1417: 2370 S EDDS SAND TRL (402-06-002H)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	37	20	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	37.4	33	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29900	25700	55000	Residential RSL	71900	3	3	0	0	--
Lead	39.9	26.6	140	Provisional RSL	N/A	3	3	0	1	--
Lead	39.9	26.6	400	Residential RSL	34.8	3	3	0	1	--
Manganese	677	576	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	155	98	23000	Residential RSL	136	3	3	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1418: 2300 S EDDS SAND TRL (402-06-018G)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	21.1	16.6	194	Residential 10-4 risk	112	4	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	30.7	23.7	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	28200	24000	55000	Residential RSL	71900	4	4	0	0	--
Lead	28.1	20.7	140	Provisional RSL	N/A	4	4	0	N/A	--
Lead	28.1	20.7	400	Residential RSL	34.8	4	4	0	0	--
Manganese	520	473	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	200	53.7	23000	Residential RSL	136	4	4	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 142: 13052 E MAIN ST (402-07-004)										
Metals										
Aluminum	17300	9080	77000	Residential RSL	35600	10	10	0	0	--
Antimony	5.7	0.5	31	Residential RSL	2.42	10	7	0	2	Y
Arsenic	331	14.9	194	Residential 10-4 risk	112	10	10	1	2	Y
Cadmium	20.6	1.3	70	Residential RSL	0.824	10	7	0	7	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.5	6.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	293	34.4	3100	Residential RSL	182	10	10	0	2	Y
Cyanide	0.32	0.11	21	Residential RSL	N/A	10	7	0	N/A	--
Iron	26900	13900	55000	Residential RSL	71900	10	10	0	0	Y
Lead	1150	20.4	140	Provisional RSL	N/A	10	10	4	8	Y
Lead	1150	20.4	400	Residential RSL	34.8	10	10	2	8	Y
Manganese	528	360	1800	Residential RSL	1600	10	10	0	0	--
Mercury	5.3	0.079	23	Residential RSL	0.0795	10	9	0	8	Y
Silver	8	0.17	390	Residential RSL	N/A	10	8	0	N/A	Y
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	6690	151	23000	Residential RSL	136	10	10	0	10	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1420: 2405 S EDDS SAND TRL (402-06-113R)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	24.6	17.7	194	Residential 10-4 risk	112	3	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	25.9	20.1	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	32400	27200	55000	Residential RSL	71900	3	3	0	0	--
Lead	15.9	10.6	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	15.9	10.6	400	Residential RSL	34.8	3	3	0	0	--
Manganese	590	425	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	152	92.3	23000	Residential RSL	136	3	3	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1421: 2375 S EDDS SAND TRL (402-06-113S)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	31.4	18.9	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	34.6	25	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39100	35400	55000	Residential RSL	71900	4	4	0	0	--
Lead	31.9	8.17	140	Provisional RSL	N/A	4	4	0	N/A	--
Lead	31.9	8.17	400	Residential RSL	34.8	4	4	0	0	--
Manganese	802	602	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	156	102	23000	Residential RSL	136	4	4	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1422: 2365 S EDDS SAND TRL (402-06-113E)										
Metals										
Aluminum	9780	9780	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	18.9	15.1	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	0.34	0.34	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	7.7	7.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	35.6	31.2	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	28700	23400	55000	Residential RSL	71900	2	2	0	0	--
Lead	42.3	24.6	140	Provisional RSL	N/A	2	2	0	1	--
Lead	42.3	24.6	400	Residential RSL	34.8	2	2	0	1	--
Manganese	572	394	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	133	86.7	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1423: 2315 S EDDS SAND TRL (402-06-001F)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	22.3	20	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	35	28.6	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30000	19000	55000	Residential RSL	71900	3	3	0	0	--
Lead	122	29.6	140	Provisional RSL	N/A	3	3	0	2	--
Lead	122	29.6	400	Residential RSL	34.8	3	3	0	2	--
Manganese	615	406	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	438	90.4	23000	Residential RSL	136	3	3	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1424: 2331 S EDDS SAND TRL (402-06-001G)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	28	23.4	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	35.5	31.5	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30000	28000	55000	Residential RSL	71900	3	3	0	0	--
Lead	35.9	28.9	140	Provisional RSL	N/A	3	3	0	1	--
Lead	35.9	28.9	400	Residential RSL	34.8	3	3	0	1	--
Manganese	725	513	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	175	121	23000	Residential RSL	136	3	3	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1426A: 2289 S EDDS SAND TRL (402-06-109P)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	33.7	28	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	39	30.1	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29400	27900	55000	Residential RSL	71900	4	4	0	0	--
Lead	58.4	20.7	140	Provisional RSL	N/A	4	4	0	1	--
Lead	58.4	20.7	400	Residential RSL	34.8	4	4	0	1	--
Manganese	639	504	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	153	91.4	23000	Residential RSL	136	4	4	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1426B: 2395 S EDDS SAND TRL (402-06-109J)										
Metals										
Aluminum	29000	24600	77000	Residential RSL	35600	2	2	0	0	--
Antimony	7.1	7.1	31	Residential RSL	2.42	2	1	0	1	--
Arsenic	702	18.9	194	Residential 10-4 risk	112	12	12	4	4	--
Cadmium	16.9	8.5	70	Residential RSL	0.824	2	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	30.6	13.2	23	Residential RSL	43.6	2	2	1	0	--
Copper	248	26.7	3100	Residential RSL	182	12	12	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	97600	17700	55000	Residential RSL	71900	12	12	3	3	--
Lead	5300	20.7	140	Provisional RSL	N/A	12	12	4	6	--
Lead	5300	20.7	400	Residential RSL	34.8	12	12	4	6	--
Manganese	1300	395	1800	Residential RSL	1600	12	12	0	0	--
Mercury	5.2	1.8	23	Residential RSL	0.0795	2	2	0	2	--
Silver	7.6	7.6	390	Residential RSL	N/A	2	1	0	N/A	--
Thallium	0.32	0.32	0.78	Residential RSL	2.8	2	1	0	0	--
Zinc	6270	68.9	23000	Residential RSL	136	12	12	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1429: 2412 S HECLA ST (402-06-003F)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	18.9	16.6	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	32.5	29.4	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27000	26900	55000	Residential RSL	71900	2	2	0	0	--
Lead	34.3	30.4	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	34.3	30.4	400	Residential RSL	34.8	2	2	0	0	--
Manganese	555	482	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	203	144	23000	Residential RSL	136	2	2	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 143: 2893 S THIRD ST (402-07-001), 2913 S THIRD ST (402-10-039)										
Metals										
Aluminum	13200	5320	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	146	6.5	194	Residential 10-4 risk	112	10	10	0	1	--
Cadmium	5.8	0.1	70	Residential RSL	0.824	10	10	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.6	4.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	232	19.2	3100	Residential RSL	182	10	10	0	2	--
Cyanide	0.24	0.089	21	Residential RSL	N/A	10	5	0	N/A	--
Iron	30800	8320	55000	Residential RSL	71900	10	10	0	0	--
Lead	777	15.5	140	Provisional RSL	N/A	10	10	7	8	--
Lead	777	15.5	400	Residential RSL	34.8	10	10	1	8	--
Manganese	1160	197	1800	Residential RSL	1600	10	10	0	0	--
Mercury	3.9	0.15	23	Residential RSL	0.0795	10	8	0	8	--
Silver	4.9	0.24	390	Residential RSL	N/A	10	8	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	1650	49.4	23000	Residential RSL	136	10	10	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1431: 2440 S HECLA ST (402-06-003H)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	58.3	26.9	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	40.3	25.3	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30400	26400	55000	Residential RSL	71900	2	2	0	0	--
Lead	216	66.4	140	Provisional RSL	N/A	2	2	1	2	--
Lead	216	66.4	400	Residential RSL	34.8	2	2	0	2	--
Manganese	638	429	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	316	286	23000	Residential RSL	136	2	2	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 144: 13185 E PRESCOTT ST (402-07-088)										
Metals										
Aluminum	22800	9080	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2.3	1	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	34.8	13.6	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.1	0.28	70	Residential RSL	0.824	10	8	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17	7.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	203	69.5	3100	Residential RSL	182	10	10	0	2	--
Cyanide	1.7	0.23	21	Residential RSL	N/A	10	6	0	N/A	--
Iron	37400	17800	55000	Residential RSL	71900	10	10	0	0	--
Lead	119	29.4	140	Provisional RSL	N/A	10	10	0	9	--
Lead	119	29.4	400	Residential RSL	34.8	10	10	0	9	--
Manganese	1700	471	1800	Residential RSL	1600	10	10	0	1	--
Mercury	0.17	0.047	23	Residential RSL	0.0795	10	9	0	4	--
Silver	0.31	0.081	390	Residential RSL	N/A	10	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	329	147	23000	Residential RSL	136	10	10	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 145: 13226 E PHOENIX ST (402-06-040B)										
Metals										
Aluminum	19200	11500	77000	Residential RSL	35600	11	11	0	0	--
Antimony	1.8	0.52	31	Residential RSL	2.42	11	11	0	0	--
Arsenic	152	12.5	194	Residential 10-4 risk	112	21	21	0	2	--
Cadmium	0.82	0.24	70	Residential RSL	0.824	11	5	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.9	10.8	23	Residential RSL	43.6	11	11	0	0	--
Copper	1130	27.3	3100	Residential RSL	182	21	21	0	2	--
Cyanide	0.12	0.089	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	52400	21100	55000	Residential RSL	71900	21	21	0	0	--
Lead	151	14.5	140	Provisional RSL	N/A	21	21	1	16	--
Lead	151	14.5	400	Residential RSL	34.8	21	21	0	16	--
Manganese	7480	640	1800	Residential RSL	1600	21	21	2	3	--
Mercury	0.3	0.096	23	Residential RSL	0.0795	11	10	0	10	--
Silver	1	0.066	390	Residential RSL	N/A	11	9	0	N/A	--
Thallium	0.76	0.65	0.78	Residential RSL	2.8	11	2	0	0	--
Zinc	329	87.1	23000	Residential RSL	136	21	21	0	17	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 146: 2875 S DANA ST (402-07-012A)										
Metals										
Aluminum	22100	8690	77000	Residential RSL	35600	11	11	0	0	--
Antimony	1.9	0.35	31	Residential RSL	2.42	11	11	0	0	--
Arsenic	64.5	1.8	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	1.8	0.31	70	Residential RSL	0.824	11	6	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.8	5.2	23	Residential RSL	43.6	11	11	0	0	--
Copper	606	17.6	3100	Residential RSL	182	11	11	0	5	--
Cyanide	0.55	0.11	21	Residential RSL	N/A	11	9	0	N/A	--
Iron	41400	11800	55000	Residential RSL	71900	11	11	0	0	--
Lead	138	4	140	Provisional RSL	N/A	11	11	0	6	--
Lead	138	4	400	Residential RSL	34.8	11	11	0	6	--
Manganese	2660	208	1800	Residential RSL	1600	11	11	1	3	--
Mercury	0.19	0.061	23	Residential RSL	0.0795	11	7	0	2	--
Silver	0.67	0.12	390	Residential RSL	N/A	11	6	0	N/A	--
Thallium	0.79	0.58	0.78	Residential RSL	2.8	11	2	1	0	--
Zinc	335	24.1	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 147: 2873 S FIRST ST (402-10-050C)										
Metals										
Aluminum	11700	9710	77000	Residential RSL	35600	11	11	0	0	--
Antimony	6.7	0.84	31	Residential RSL	2.42	11	10	0	1	--
Arsenic	259	14.6	194	Residential 10-4 risk	112	17	17	1	2	--
Cadmium	2	0.2	70	Residential RSL	0.824	11	11	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.2	9.4	23	Residential RSL	43.6	11	11	0	0	--
Copper	59	22.4	3100	Residential RSL	182	17	17	0	0	--
Cyanide	0.13	0.051	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	44100	20400	55000	Residential RSL	71900	17	17	0	0	--
Lead	215	10	140	Provisional RSL	N/A	17	17	1	6	--
Lead	215	10	400	Residential RSL	34.8	17	17	0	6	--
Manganese	689	449	1800	Residential RSL	1600	17	17	0	0	--
Mercury	1.2	0.023	23	Residential RSL	0.0795	11	11	0	5	--
Silver	1.2	0.11	390	Residential RSL	N/A	11	11	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	11	0	0	0	--
Zinc	717	68	23000	Residential RSL	136	17	17	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 148: 2945 S SWEET PEA LN (402-06-102M)										
Metals										
Aluminum	13600	10000	77000	Residential RSL	35600	10	10	0	0	Y
Antimony	11.6	1.9	31	Residential RSL	2.42	10	10	0	9	Y
Arsenic	203	36.1	194	Residential 10-4 risk	112	10	10	1	5	Y
Cadmium	31.9	2.3	70	Residential RSL	0.824	10	10	0	10	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	27.9	13.9	23	Residential RSL	43.6	10	10	1	0	Y
Copper	6090	160	3100	Residential RSL	182	10	10	1	9	Y
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	34500	19700	55000	Residential RSL	71900	10	10	0	0	Y
Lead	1040	175	140	Provisional RSL	N/A	10	10	10	10	Y
Lead	1040	175	400	Residential RSL	34.8	10	10	8	10	Y
Manganese	8360	516	1800	Residential RSL	1600	10	10	1	1	Y
Mercury	14.8	0.79	23	Residential RSL	0.0795	10	10	0	10	Y
Silver	13.9	0.94	390	Residential RSL	N/A	10	10	0	N/A	Y
Thallium	0.79	0.79	0.78	Residential RSL	2.8	10	1	1	0	Y
Zinc	5340	488	23000	Residential RSL	136	10	10	0	10	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 149: 2819 S CALUMET ST (402-07-020A)										
Metals										
Aluminum	17800	11700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.9	0.53	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	33.1	12.5	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.3	0.65	70	Residential RSL	0.824	10	10	0	6	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.3	8.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	3550	49.9	3100	Residential RSL	182	10	10	1	1	--
Cyanide	0.23	0.19	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	26800	18300	55000	Residential RSL	71900	10	10	0	0	--
Lead	362	28.7	140	Provisional RSL	N/A	10	10	3	9	--
Lead	362	28.7	400	Residential RSL	34.8	10	10	0	9	--
Manganese	653	507	1800	Residential RSL	1600	10	10	0	0	--
Mercury	2.3	0.075	23	Residential RSL	0.0795	10	10	0	9	--
Silver	1.2	0.13	390	Residential RSL	N/A	10	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	566	102	23000	Residential RSL	136	10	10	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 150: 13530 E PRESCOTT ST (402-07-075K)										
Metals										
Aluminum	17300	11400	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.68	0.4	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	22.5	9.4	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.81	0.43	70	Residential RSL	0.824	10	10	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.4	10.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	70.4	42.6	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.47	0.18	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	27800	18500	55000	Residential RSL	71900	10	10	0	0	--
Lead	17.7	10.8	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	17.7	10.8	400	Residential RSL	34.8	10	10	0	0	--
Manganese	764	260	1800	Residential RSL	1600	10	10	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	10	0	0	0	--
Silver	0.078	0.078	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	260	47.6	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1502: 2510 S HECLA ST (402-06-117R)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	51.6	25.7	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	29.6	26.5	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29200	23800	55000	Residential RSL	71900	2	2	0	0	--
Lead	19.3	12.5	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	19.3	12.5	400	Residential RSL	34.8	2	2	0	0	--
Manganese	549	468	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	89.5	54.7	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1503: 2500 S HECLA ST (402-06-117U)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	26.9	24.6	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	26.9	25.9	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30400	26500	55000	Residential RSL	71900	2	2	0	0	--
Lead	20	9.38	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	20	9.38	400	Residential RSL	34.8	2	2	0	0	--
Manganese	566	519	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	112	79.8	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1504: 2490 S HECLA ST (402-06-117T)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	30.3	24.6	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	32.5	29.7	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	25700	25600	55000	Residential RSL	71900	2	2	0	0	--
Lead	26.6	24.4	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	26.6	24.4	400	Residential RSL	34.8	2	2	0	0	--
Manganese	587	579	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	87.5	66.9	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1506: 2485 S HECLA ST (402-06-117F)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	65	16.6	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	31	30.7	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29700	26100	55000	Residential RSL	71900	2	2	0	0	--
Lead	52.4	15.9	140	Provisional RSL	N/A	2	2	0	1	--
Lead	52.4	15.9	400	Residential RSL	34.8	2	2	0	1	--
Manganese	648	536	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	159	78.8	23000	Residential RSL	136	2	2	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1507: 2505 S HECLA ST (402-06-117W)										
Metals										
Aluminum	14500	14500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	22.3	13.8	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	0.36	0.36	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.5	9.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	40.3	34.3	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27800	22100	55000	Residential RSL	71900	3	3	0	0	--
Lead	34.3	16.1	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	34.3	16.1	400	Residential RSL	34.8	3	3	0	0	--
Manganese	575	432	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	113	78.6	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 151: 2951 S THIRD ST (402-10-044A)										
Metals										
Aluminum	13700	9520	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.2	0.37	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	96.5	15.6	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3.7	1	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.4	7.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	166	52.4	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.38	0.18	21	Residential RSL	N/A	10	5	0	N/A	--
Iron	33400	16700	55000	Residential RSL	71900	10	10	0	0	--
Lead	207	55.2	140	Provisional RSL	N/A	10	10	2	10	--
Lead	207	55.2	400	Residential RSL	34.8	10	10	0	10	--
Manganese	759	336	1800	Residential RSL	1600	10	10	0	0	--
Mercury	1.1	0.12	23	Residential RSL	0.0795	10	10	0	10	--
Silver	1.3	0.3	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	794	182	23000	Residential RSL	136	10	10	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1511: 13014 E COBB CT (402-06-124)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	--	--	194	Residential 10-4 risk	112	2	0	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	26.7	25.5	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27500	17800	55000	Residential RSL	71900	2	2	0	0	--
Lead	15.9	15.9	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	15.9	15.9	400	Residential RSL	34.8	2	2	0	0	--
Manganese	434	319	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	53.7	47.4	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1513: 2608 S BUTTE ST (402-06-119G)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	18.9	13.1	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	29.2	24.8	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	33200	25600	55000	Residential RSL	71900	3	3	0	0	--
Lead	20.7	16.5	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	20.7	16.5	400	Residential RSL	34.8	3	3	0	0	--
Manganese	749	503	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	85.6	63.9	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1515: 13070 E CLAYBANK CT (402-06-118P)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	--	--	194	Residential 10-4 risk	112	2	0	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	25.5	21	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	24300	23300	55000	Residential RSL	71900	2	2	0	0	--
Lead	16.5	11.9	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	16.5	11.9	400	Residential RSL	34.8	2	2	0	0	--
Manganese	427	420	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	65.9	57.8	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1517: 13090 E CLAYBANK CT (402-06-118K)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	16.6	16.6	194	Residential 10-4 risk	112	2	1	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	29.7	27.5	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38000	31300	55000	Residential RSL	71900	2	2	0	0	--
Lead	22.2	18.6	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	22.2	18.6	400	Residential RSL	34.8	2	2	0	0	--
Manganese	918	703	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	106	81.7	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1518: 13100 E CLAYBANK CT (402-06-118L)										
Metals										
Aluminum	14900	14900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	16.6	14.9	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	0.21	0.21	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.3	10.3	23	Residential RSL	43.6	1	1	0	0	--
Copper	40.1	25.5	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27100	18800	55000	Residential RSL	71900	2	2	0	0	--
Lead	12.5	10.3	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	12.5	10.3	400	Residential RSL	34.8	2	2	0	0	--
Manganese	568	495	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	66.9	52.5	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1519: 13025 E CLAYBANK CT (402-06-118F)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	17.7	17.7	194	Residential 10-4 risk	112	2	1	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	29.4	26.9	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29100	26800	55000	Residential RSL	71900	2	2	0	0	--
Lead	25.1	24.4	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	25.1	24.4	400	Residential RSL	34.8	2	2	0	0	--
Manganese	572	516	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	77.8	72.9	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 152: 2775 S BUTTE ST (402-07-085A)										
Metals										
Aluminum	21400	11500	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.5	0.28	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	18.1	9.6	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.2	0.62	70	Residential RSL	0.824	10	10	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15	9.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	95.2	34.1	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	22600	16000	55000	Residential RSL	71900	10	10	0	0	--
Lead	37.6	13	140	Provisional RSL	N/A	10	10	0	1	--
Lead	37.6	13	400	Residential RSL	34.8	10	10	0	1	--
Manganese	748	494	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.065	0.054	23	Residential RSL	0.0795	10	2	0	0	--
Silver	0.34	0.076	390	Residential RSL	N/A	10	6	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	114	58.3	23000	Residential RSL	136	10	10	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1520: 13075 E CLAYBANK CT (402-06-118G)										
Metals										
Aluminum	16900	16900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	17.7	10	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	0.21	0.21	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.1	9.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	32.3	28.7	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	25700	23100	55000	Residential RSL	71900	2	2	0	0	--
Lead	28.1	10.6	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	28.1	10.6	400	Residential RSL	34.8	2	2	0	0	--
Manganese	585	508	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	86.6	59.5	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1522: 13090 E NEWPORT RD (402-06-118J)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	25.7	15.4	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	30.5	30.1	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	24700	22900	55000	Residential RSL	71900	2	2	0	0	--
Lead	27.3	22.2	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	27.3	22.2	400	Residential RSL	34.8	2	2	0	0	--
Manganese	490	485	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	117	115	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1527: 13020 E COBB CT (402-06-124B)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	--	--	194	Residential 10-4 risk	112	2	0	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	26.7	23.4	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	22700	22300	55000	Residential RSL	71900	2	2	0	0	--
Lead	15.2	13.2	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	15.2	13.2	400	Residential RSL	34.8	2	2	0	0	--
Manganese	616	542	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	60.9	50.6	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1528: 2535 S HECLA ST (402-06-117N)										
Metals										
Aluminum	19800	19800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	16.1	13.1	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	0.37	0.37	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.6	13.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	44.1	25	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31500	26300	55000	Residential RSL	71900	2	2	0	0	--
Lead	19.3	15.4	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	19.3	15.4	400	Residential RSL	34.8	2	2	0	0	--
Manganese	525	501	1800	Residential RSL	1600	2	2	0	0	--
Mercury	0.02	0.02	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	91.7	47.4	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 153: 12838 E CHAPARRAL ST (402-10-023)										
Metals										
Aluminum	12700	8730	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2	0.28	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	57.6	7.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.6	0.43	70	Residential RSL	0.824	10	10	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.7	8.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	238	18.9	3100	Residential RSL	182	10	10	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	23600	14100	55000	Residential RSL	71900	10	10	0	0	--
Lead	1020	8.8	140	Provisional RSL	N/A	10	10	5	8	--
Lead	1020	8.8	400	Residential RSL	34.8	10	10	1	8	--
Manganese	733	392	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.44	0.13	23	Residential RSL	0.0795	10	6	0	6	--
Silver	2.3	0.15	390	Residential RSL	N/A	10	8	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	6780	39.3	23000	Residential RSL	136	10	10	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1530: 13030 E NEWPORT RD (402-06-121B)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	21.1	17.7	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	29.6	29.2	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35100	34400	55000	Residential RSL	71900	2	2	0	0	--
Lead	22.2	19.3	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	22.2	19.3	400	Residential RSL	34.8	2	2	0	0	--
Manganese	740	624	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	79.8	78.8	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1531: 13050 E NEWPORT RD (402-06-121C)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	16.6	16.6	194	Residential 10-4 risk	112	2	1	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	30.2	27.7	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	28500	23600	55000	Residential RSL	71900	2	2	0	0	--
Lead	19.3	13.8	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	19.3	13.8	400	Residential RSL	34.8	2	2	0	0	--
Manganese	568	464	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	91.4	68.9	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1532: 2559 S HECLA ST (402-06-124F)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	22.3	22.3	194	Residential 10-4 risk	112	2	1	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	27.1	26.5	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29900	28100	55000	Residential RSL	71900	2	2	0	0	--
Lead	22.2	14.5	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	22.2	14.5	400	Residential RSL	34.8	2	2	0	0	--
Manganese	514	510	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	77.8	41	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 154: 12569 E YAVAPAI ST (402-08-022)										
Metals										
Aluminum	20400	10100	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.99	0.43	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	81.7	7.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.7	0.56	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.3	7.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	54.4	19.9	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	30900	17300	55000	Residential RSL	71900	10	10	0	0	--
Lead	126	7.6	140	Provisional RSL	N/A	10	10	0	3	--
Lead	126	7.6	400	Residential RSL	34.8	10	10	0	3	--
Manganese	790	319	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.43	0.076	23	Residential RSL	0.0795	10	8	0	7	--
Silver	0.53	0.13	390	Residential RSL	N/A	10	6	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	296	44.2	23000	Residential RSL	136	10	10	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 155: 13370 E PRESCOTT ST (402-07-068)										
Metals										
Aluminum	20700	14600	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2.1	0.56	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	84.9	21.4	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2	1.3	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.5	11.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	219	115	3100	Residential RSL	182	10	10	0	1	--
Cyanide	6.1	0.17	21	Residential RSL	N/A	10	6	0	N/A	--
Iron	26100	21900	55000	Residential RSL	71900	10	10	0	0	--
Lead	50.4	30.5	140	Provisional RSL	N/A	10	10	0	8	--
Lead	50.4	30.5	400	Residential RSL	34.8	10	10	0	8	--
Manganese	1560	790	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.093	0.054	23	Residential RSL	0.0795	10	9	0	4	--
Silver	0.5	0.2	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	376	91.9	23000	Residential RSL	136	10	10	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 156: 2549 S PARKER ST (402-08-018T)										
Metals										
Aluminum	19900	12000	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.4	0.49	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	177	13.1	194	Residential 10-4 risk	112	10	10	0	1	--
Cadmium	1.5	0.45	70	Residential RSL	0.824	10	10	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	23.8	9.5	23	Residential RSL	43.6	10	10	1	0	--
Copper	92.7	26.4	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	46600	18200	55000	Residential RSL	71900	10	10	0	0	--
Lead	32	7.8	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	32	7.8	400	Residential RSL	34.8	10	10	0	0	--
Manganese	1650	606	1800	Residential RSL	1600	10	10	0	1	--
Mercury	0.16	0.052	23	Residential RSL	0.0795	10	4	0	1	--
Silver	0.19	0.12	390	Residential RSL	N/A	10	3	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	128	42.9	23000	Residential RSL	136	10	10	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 157: 2560 S COLINA LN (402-08-017B), S PARKER ST (402-08-018U)										
Metals										
Aluminum	13400	5150	77000	Residential RSL	35600	10	10	0	0	--
Antimony	5	0.37	31	Residential RSL	2.42	10	10	0	3	--
Arsenic	538	4.7	194	Residential 10-4 risk	112	11	11	1	3	--
Cadmium	3.4	0.22	70	Residential RSL	0.824	10	8	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.3	4.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	440	13.7	3100	Residential RSL	182	10	10	0	3	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	26600	9940	55000	Residential RSL	71900	10	10	0	0	--
Lead	208	5.2	140	Provisional RSL	N/A	11	11	1	3	--
Lead	208	5.2	400	Residential RSL	34.8	11	11	0	3	--
Manganese	815	202	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.25	0.056	23	Residential RSL	0.0795	10	4	0	3	--
Silver	2.6	0.11	390	Residential RSL	N/A	10	4	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	508	24.9	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 158: 2630 S PARKER ST (402-08-019H)										
Metals										
Aluminum	24100	18300	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.99	0.62	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	39.3	13.5	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.44	0.015	70	Residential RSL	0.824	10	5	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	20.4	13.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	47.2	36.8	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	35900	29700	55000	Residential RSL	71900	10	10	0	0	--
Lead	34.9	7.9	140	Provisional RSL	N/A	10	10	0	1	--
Lead	34.9	7.9	400	Residential RSL	34.8	10	10	0	1	--
Manganese	916	724	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.056	0.043	23	Residential RSL	0.0795	10	6	0	0	--
Silver	0.12	0.12	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	218	54.7	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 159: 2555 S PARKER ST (402-08-018Q), 2585 S PARKER ST (402-08-015Z)										
Metals										
Aluminum	20000	10700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.89	0.67	31	Residential RSL	2.42	10	7	0	0	--
Arsenic	120	11.3	194	Residential 10-4 risk	112	12	12	0	1	--
Cadmium	1.1	0.17	70	Residential RSL	0.824	10	5	0	4	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18.8	11.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	53.2	31.6	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	34300	21500	55000	Residential RSL	71900	10	10	0	0	--
Lead	91	10.2	140	Provisional RSL	N/A	12	12	0	1	--
Lead	91	10.2	400	Residential RSL	34.8	12	12	0	1	--
Manganese	1130	529	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.16	0.045	23	Residential RSL	0.0795	10	8	0	2	--
Silver	0.1	0.1	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	1.5	1.1	0.78	Residential RSL	2.8	10	4	4	0	--
Zinc	150	64.6	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 160: 2925 S HOLIDAY DR (402-05-075)										
Metals										
Aluminum	19100	7440	77000	Residential RSL	35600	11	11	0	0	--
Antimony	0.96	0.69	31	Residential RSL	2.42	11	7	0	0	--
Arsenic	85	21.6	194	Residential 10-4 risk	112	29	29	0	0	--
Cadmium	2.9	1.5	70	Residential RSL	0.824	11	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.5	8.9	23	Residential RSL	43.6	11	11	0	0	--
Copper	179	29.7	3100	Residential RSL	182	29	29	0	0	--
Cyanide	1.3	0.21	21	Residential RSL	N/A	10	8	0	N/A	--
Iron	166000	21000	55000	Residential RSL	71900	27	27	17	15	--
Lead	147	4.5	140	Provisional RSL	N/A	29	29	1	12	--
Lead	147	4.5	400	Residential RSL	34.8	29	29	0	12	--
Manganese	5990	2160	1800	Residential RSL	1600	27	27	27	27	--
Mercury	0.13	0.055	23	Residential RSL	0.0795	11	9	0	4	--
Silver	0.39	0.26	390	Residential RSL	N/A	11	5	0	N/A	--
Thallium	3	1.2	0.78	Residential RSL	2.8	11	10	10	2	--
Zinc	309	64.9	23000	Residential RSL	136	29	29	0	18	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1601: 2484 S BUTTE ST (402-06-015Z)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	25.7	20	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	42.1	35.8	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29300	25700	55000	Residential RSL	71900	2	2	0	0	--
Lead	44.8	29.6	140	Provisional RSL	N/A	2	2	0	1	--
Lead	44.8	29.6	400	Residential RSL	34.8	2	2	0	1	--
Manganese	794	665	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	221	194	23000	Residential RSL	136	2	2	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1602: 2500 S BUTTE ST (402-06-120)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	21.1	17.7	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	33.4	30.8	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29400	25600	55000	Residential RSL	71900	2	2	0	0	--
Lead	25.8	22.9	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	25.8	22.9	400	Residential RSL	34.8	2	2	0	0	--
Manganese	623	493	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	92.3	91.4	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1603: 2530 S BUTTE ST (402-06-125)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	21.1	13.1	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	29.1	28.4	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	2	0	0	0	--
Lead	20	15.9	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	20	15.9	400	Residential RSL	34.8	2	2	0	0	--
Manganese	26600	25200	1800	Residential RSL	1600	2	2	2	2	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	58.8	56.8	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1604: 2600 S BUTTE ST (402-06-116B)										
Metals										
Aluminum	28300	28300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	26.9	19.1	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	0.42	0.42	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17	17	23	Residential RSL	43.6	1	1	0	0	--
Copper	64.2	33.9	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34500	22100	55000	Residential RSL	71900	3	3	0	0	--
Lead	67.3	16.1	140	Provisional RSL	N/A	3	3	0	2	--
Lead	67.3	16.1	400	Residential RSL	34.8	3	3	0	2	--
Manganese	946	586	1800	Residential RSL	1600	3	3	0	0	--
Mercury	0.034	0.034	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	153	104	23000	Residential RSL	136	3	3	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1605: 2530 S BUTTE ST (402-06-125A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	17.7	13.1	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	29.9	24.8	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	59.2	34.2	55000	Residential RSL	71900	2	2	0	0	--
Lead	27.3	22.2	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	27.3	22.2	400	Residential RSL	34.8	2	2	0	0	--
Manganese	27700	23800	1800	Residential RSL	1600	2	2	2	2	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	121	60.9	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1608: 2485 S BUTTE ST (402-06-015N)										
Metals										
Aluminum	17000	17000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	25.7	23	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	0.91	0.91	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.5	10.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	120	37.4	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29500	27200	55000	Residential RSL	71900	2	2	0	0	--
Lead	47.3	25.8	140	Provisional RSL	N/A	2	2	0	1	--
Lead	47.3	25.8	400	Residential RSL	34.8	2	2	0	1	--
Manganese	652	588	1800	Residential RSL	1600	2	2	0	0	--
Mercury	0.076	0.076	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	130	111	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 161: 13151 E THIRD ALLEY (402-07-018F)										
Metals										
Aluminum	18500	9640	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.98	0.67	31	Residential RSL	2.42	10	7	0	0	--
Arsenic	24.2	9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.7	0.8	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.2	6.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	105	34.7	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	23700	15000	55000	Residential RSL	71900	10	10	0	0	--
Lead	50.2	11.3	140	Provisional RSL	N/A	10	10	0	2	--
Lead	50.2	11.3	400	Residential RSL	34.8	10	10	0	2	--
Manganese	1420	617	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.18	0.043	23	Residential RSL	0.0795	10	9	0	5	--
Silver	0.24	0.078	390	Residential RSL	N/A	10	4	0	N/A	--
Thallium	2.2	0.49	0.78	Residential RSL	2.8	10	10	9	0	--
Zinc	220	50.5	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1610: 2511 S BUTTE ST (402-06-015Q)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	22.3	21.1	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	33.7	33.2	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	25100	25100	55000	Residential RSL	71900	2	2	0	0	--
Lead	22.2	15.9	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	22.2	15.9	400	Residential RSL	34.8	2	2	0	0	--
Manganese	543	499	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	114	110	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1611: 2525 S BUTTE ST (402-06-015P)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	35.9	28	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	35.7	30.4	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27500	26400	55000	Residential RSL	71900	2	2	0	0	--
Lead	23.6	12.5	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	23.6	12.5	400	Residential RSL	34.8	2	2	0	0	--
Manganese	589	548	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	150	141	23000	Residential RSL	136	2	2	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1612: 2545 S BUTTE ST (402-06-015T)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	25.7	18.9	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	40.3	34.2	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29000	26900	55000	Residential RSL	71900	2	2	0	0	--
Lead	38.3	34.3	140	Provisional RSL	N/A	2	2	0	1	--
Lead	38.3	34.3	400	Residential RSL	34.8	2	2	0	1	--
Manganese	657	601	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	167	147	23000	Residential RSL	136	2	2	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1613: 2565 S BUTTE ST (402-06-015U)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	31.4	14.2	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	35	29.6	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	28100	27500	55000	Residential RSL	71900	2	2	0	0	--
Lead	36.7	31.2	140	Provisional RSL	N/A	2	2	0	1	--
Lead	36.7	31.2	400	Residential RSL	34.8	2	2	0	1	--
Manganese	719	640	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	152	91.4	23000	Residential RSL	136	2	2	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1618: 13250 E MCCABE ST (402-06-011A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	20	20	194	Residential 10-4 risk	112	2	1	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	33	29.7	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39600	14600	55000	Residential RSL	71900	2	2	0	0	--
Lead	24.4	18.6	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	24.4	18.6	400	Residential RSL	34.8	2	2	0	0	--
Manganese	830	678	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	81.7	59.9	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1619: 13220 E MCCABE ST (402-06-010B)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	21.1	16.6	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	33.9	29.7	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37300	36600	55000	Residential RSL	71900	2	2	0	0	--
Lead	23.6	18.6	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	23.6	18.6	400	Residential RSL	34.8	2	2	0	0	--
Manganese	966	830	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	80.8	79.8	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 162: 13029 E PHOENIX ST (402-06-070)										
Metals										
Aluminum	16900	11000	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.4	0.67	31	Residential RSL	2.42	10	7	0	0	--
Arsenic	176	6.4	194	Residential 10-4 risk	112	10	10	0	1	--
Cadmium	3.4	0.87	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	21.6	7.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	640	23.3	3100	Residential RSL	182	10	10	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	28200	16100	55000	Residential RSL	71900	10	10	0	0	--
Lead	1350	7.1	140	Provisional RSL	N/A	10	10	1	4	--
Lead	1350	7.1	400	Residential RSL	34.8	10	10	1	4	--
Manganese	1220	514	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.8	0.053	23	Residential RSL	0.0795	10	5	0	4	--
Silver	2.2	0.063	390	Residential RSL	N/A	10	5	0	N/A	--
Thallium	2.8	0.89	0.78	Residential RSL	2.8	10	10	10	1	--
Zinc	487	44	23000	Residential RSL	136	10	10	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1620: 13200 E MCCABE ST (402-06-010)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	43.8	21.1	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	34.8	29.2	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	40800	34700	55000	Residential RSL	71900	2	2	0	0	--
Lead	30.4	8.17	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	30.4	8.17	400	Residential RSL	34.8	2	2	0	0	--
Manganese	846	809	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	202	109	23000	Residential RSL	136	2	2	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1621A: 13172 E MCCABE ST (402-06-009)										
Metals										
Aluminum	24700	24700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	21.1	12.2	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	0.14	0.14	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.5	11.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	31	29.3	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30900	27800	55000	Residential RSL	71900	2	2	0	0	--
Lead	20	10.6	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	20	10.6	400	Residential RSL	34.8	2	2	0	0	--
Manganese	583	490	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	70.9	68.1	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1621B: 13160 E MCCABE ST (402-06-108)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	20	16.6	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	33.9	31.3	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30600	28700	55000	Residential RSL	71900	2	2	0	0	--
Lead	31.2	23.6	140	Provisional RSL	N/A	2	2	0	N/A	--
Lead	31.2	23.6	400	Residential RSL	34.8	2	2	0	0	--
Manganese	497	448	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	99	92.3	23000	Residential RSL	136	2	2	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1624: 13120 E MCCABE ST (402-06-015A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	23.4	14.2	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	30.4	27.1	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27300	25800	55000	Residential RSL	71900	2	2	0	0	--
Lead	36.7	32.7	140	Provisional RSL	N/A	2	2	0	1	--
Lead	36.7	32.7	400	Residential RSL	34.8	2	2	0	1	--
Manganese	609	457	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	154	122	23000	Residential RSL	136	2	2	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1624: 13120 E MCCABE ST (402-06-015A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	23.4	14.2	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	30.4	27.1	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27300	25800	55000	Residential RSL	71900	2	2	0	0	--
Lead	36.7	32.7	140	Provisional RSL	N/A	2	2	0	1	--
Lead	36.7	32.7	400	Residential RSL	34.8	2	2	0	1	--
Manganese	609	457	1800	Residential RSL	1600	2	2	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	154	122	23000	Residential RSL	136	2	2	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 163: 2671 S OLD BLACK CANYON HWY (402-07-053)										
Metals										
Aluminum	15100	8030	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.4	0.73	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	35.5	12.6	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3	0.98	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.3	8.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	233	53.9	3100	Residential RSL	182	10	10	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	26000	17200	55000	Residential RSL	71900	10	10	0	0	--
Lead	373	19.3	140	Provisional RSL	N/A	10	10	1	7	--
Lead	373	19.3	400	Residential RSL	34.8	10	10	0	7	--
Manganese	1630	888	1800	Residential RSL	1600	10	10	0	1	--
Mercury	0.22	0.045	23	Residential RSL	0.0795	10	9	0	7	--
Silver	0.62	0.082	390	Residential RSL	N/A	10	7	0	N/A	--
Thallium	2.8	0.86	0.78	Residential RSL	2.8	10	3	3	1	--
Zinc	396	87.1	23000	Residential RSL	136	10	10	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 164: 2699 S HILL ST (402-08-043)										
Metals										
Aluminum	14200	10600	77000	Residential RSL	35600	10	10	0	0	--
Antimony	29.1	0.83	31	Residential RSL	2.42	10	10	0	1	--
Arsenic	191	14.9	194	Residential 10-4 risk	112	10	10	0	1	--
Cadmium	13.1	0.81	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.8	7.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	169	34.6	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	33500	19000	55000	Residential RSL	71900	10	10	0	0	--
Lead	1120	52.7	140	Provisional RSL	N/A	10	10	6	10	--
Lead	1120	52.7	400	Residential RSL	34.8	10	10	1	10	--
Manganese	694	420	1800	Residential RSL	1600	10	10	0	0	--
Mercury	2	0.1	23	Residential RSL	0.0795	10	10	0	10	--
Silver	2.4	0.1	390	Residential RSL	N/A	10	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	3700	120	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 165 and 60J: 2660 S JONES ST (402-07-052L)										
Metals										
Aluminum	13800	8830	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.2	0.72	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	76.1	14.6	194	Residential 10-4 risk	112	30	13	0	0	--
Cadmium	3.2	0.82	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.7	8.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	229	59.9	3100	Residential RSL	182	10	10	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	25400	16800	55000	Residential RSL	71900	10	10	0	0	--
Lead	213	30.5	140	Provisional RSL	N/A	30	29	2	28	--
Lead	213	30.5	400	Residential RSL	34.8	30	29	0	28	--
Manganese	1350	706	1800	Residential RSL	1600	10	10	0	0	--
Mercury	42.1	0.12	23	Residential RSL	0.0795	10	10	2	10	--
Silver	1.2	0.11	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	878	112	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 166: 2707 S COLINA LN (402-08-012B)										
Metals										
Aluminum	23200	12700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.77	0.59	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	43.5	14.2	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.63	0.086	70	Residential RSL	0.824	10	9	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.6	10.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	51.2	29.5	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	31900	23500	55000	Residential RSL	71900	10	10	0	0	--
Lead	36.3	7.7	140	Provisional RSL	N/A	10	10	0	1	--
Lead	36.3	7.7	400	Residential RSL	34.8	10	10	0	1	--
Manganese	767	469	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.15	0.053	23	Residential RSL	0.0795	10	5	0	2	--
Silver	0.21	0.12	390	Residential RSL	N/A	10	4	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	153	42.7	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 167A: 13601 E AGUA FRIA LN (402-11-003)										
Metals										
Aluminum	36600	26100	77000	Residential RSL	35600	7	7	0	1	--
Antimony	1.4	0.75	31	Residential RSL	2.42	7	5	0	0	--
Arsenic	388	15.6	194	Residential 10-4 risk	112	18	18	2	7	--
Cadmium	3.7	0.18	70	Residential RSL	0.824	7	7	0	4	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	36.7	20.6	23	Residential RSL	43.6	7	7	6	0	--
Copper	418	25.5	3100	Residential RSL	182	18	18	0	4	--
Cyanide	--	--	21	Residential RSL	N/A	5	0	0	N/A	--
Iron	98600	32100	55000	Residential RSL	71900	18	18	5	1	--
Lead	242	10	140	Provisional RSL	N/A	18	17	4	7	--
Lead	242	10	400	Residential RSL	34.8	18	17	0	7	--
Manganese	3440	655	1800	Residential RSL	1600	18	18	2	4	--
Mercury	0.14	0.0074	23	Residential RSL	0.0795	7	7	0	3	--
Silver	1.1	0.11	390	Residential RSL	N/A	7	5	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	7	0	0	0	--
Zinc	388	59.1	23000	Residential RSL	136	18	18	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 167B: 3194 S GREEN VALLEY WAY (402-11-031D)										
Metals										
Aluminum	33500	30300	77000	Residential RSL	35600	2	2	0	0	--
Antimony	1.2	1.2	31	Residential RSL	2.42	2	1	0	0	--
Arsenic	100	24.6	194	Residential 10-4 risk	112	18	18	0	0	--
Cadmium	0.62	0.62	70	Residential RSL	0.824	2	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	33.8	29.4	23	Residential RSL	43.6	2	2	2	0	--
Copper	79.1	26.7	3100	Residential RSL	182	18	18	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	1	0	0	N/A	--
Iron	117000	58700	55000	Residential RSL	71900	18	18	18	11	--
Lead	42.3	8.17	140	Provisional RSL	N/A	18	18	0	3	--
Lead	42.3	8.17	400	Residential RSL	34.8	18	18	0	3	--
Manganese	6180	759	1800	Residential RSL	1600	18	18	8	8	--
Mercury	0.059	0.034	23	Residential RSL	0.0795	2	2	0	0	--
Silver	0.2	0.2	390	Residential RSL	N/A	2	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	255	39.9	23000	Residential RSL	136	18	14	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 167C: 3194 S GREEN VALLEY WAY (402-11-031C)										
Metals										
Aluminum	35300	20500	77000	Residential RSL	35600	7	7	0	0	--
Antimony	1.5	0.95	31	Residential RSL	2.42	7	4	0	0	--
Arsenic	202	28.8	194	Residential 10-4 risk	112	28	28	1	8	--
Cadmium	2.1	0.45	70	Residential RSL	0.824	7	6	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	42.9	28.5	23	Residential RSL	43.6	7	7	7	0	--
Copper	262	27.3	3100	Residential RSL	182	28	28	0	4	--
Cyanide	--	--	21	Residential RSL	N/A	4	0	0	N/A	--
Iron	113000	28700	55000	Residential RSL	71900	28	28	25	13	--
Lead	119	9.38	140	Provisional RSL	N/A	28	28	0	12	--
Lead	119	9.38	400	Residential RSL	34.8	28	28	0	12	--
Manganese	3300	619	1800	Residential RSL	1600	28	28	7	11	--
Mercury	0.11	0.045	23	Residential RSL	0.0795	7	7	0	3	--
Silver	0.65	0.18	390	Residential RSL	N/A	7	6	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	7	0	0	0	--
Zinc	236	45.3	23000	Residential RSL	136	28	28	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 168: 2745 S HECLA ST (402-06-073)										
Metals										
Aluminum	14000	7920	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.3	0.78	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	32.1	10.3	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2	0.48	70	Residential RSL	0.824	10	10	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.9	6.3	23	Residential RSL	43.6	10	10	0	0	--
Copper	191	32.3	3100	Residential RSL	182	10	10	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	21300	14300	55000	Residential RSL	71900	10	10	0	0	--
Lead	262	15.3	140	Provisional RSL	N/A	10	10	2	8	--
Lead	262	15.3	400	Residential RSL	34.8	10	10	0	8	--
Manganese	615	428	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.24	0.044	23	Residential RSL	0.0795	10	8	0	6	--
Silver	0.61	0.067	390	Residential RSL	N/A	10	7	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	411	59.6	23000	Residential RSL	136	10	10	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 169: 2810 S DANA ST (402-07-017L)										
Metals										
Aluminum	16700	12700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.8	0.73	31	Residential RSL	2.42	10	2	0	0	--
Arsenic	25.7	10.7	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.6	0.7	70	Residential RSL	0.824	10	10	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11	9.3	23	Residential RSL	43.6	10	10	0	0	--
Copper	200	42.8	3100	Residential RSL	182	10	10	0	1	--
Cyanide	0.64	0.17	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	22100	19900	55000	Residential RSL	71900	10	10	0	0	--
Lead	135	12.1	140	Provisional RSL	N/A	10	10	0	3	--
Lead	135	12.1	400	Residential RSL	34.8	10	10	0	3	--
Manganese	1060	605	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.68	0.052	23	Residential RSL	0.0795	10	7	0	4	--
Silver	0.29	0.079	390	Residential RSL	N/A	10	3	0	N/A	--
Thallium	2.7	2.7	0.78	Residential RSL	2.8	10	1	1	0	--
Zinc	200	69.8	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1703: 13340 E COMMANCHE TRL (402-07-097C)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	24.6	14.2	194	Residential 10-4 risk	112	5	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	35.3	30.4	3100	Residential RSL	182	5	5	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	26900	22800	55000	Residential RSL	71900	5	5	0	0	--
Lead	31.9	22.9	140	Provisional RSL	N/A	5	5	0	N/A	--
Lead	31.9	22.9	400	Residential RSL	34.8	5	5	0	0	--
Manganese	589	483	1800	Residential RSL	1600	5	5	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	98	90.4	23000	Residential RSL	136	5	5	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1704: 13380 E COMMANCHE TRL (402-07-098)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	23.4	18.9	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	39.7	33.9	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27900	24100	55000	Residential RSL	71900	3	3	0	0	--
Lead	34.3	21.4	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	34.3	21.4	400	Residential RSL	34.8	3	3	0	0	--
Manganese	699	527	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	124	107	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1705: 13420 E SHAWNEE LN (402-07-099)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	30.3	20	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	37.3	35.1	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35400	29400	55000	Residential RSL	71900	3	3	0	0	--
Lead	31.2	25.1	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	31.2	25.1	400	Residential RSL	34.8	3	3	0	0	--
Manganese	910	635	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	124	83.7	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1706: 13370 E SHAWNEE LN (402-07-100)										
Metals										
Aluminum	23000	23000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	20	16.6	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	0.67	0.67	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.7	10.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	92.3	30.5	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30100	22200	55000	Residential RSL	71900	3	3	0	0	--
Lead	27.3	23	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	27.3	23	400	Residential RSL	34.8	3	3	0	0	--
Manganese	660	503	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	109	94.4	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 170A: 2584 S PARKER ST (402-08-062)										
Metals										
Aluminum	19400	15500	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	44.9	13.1	194	Residential 10-4 risk	112	9	9	0	0	--
Cadmium	0.86	0.86	70	Residential RSL	0.824	2	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13	11.5	23	Residential RSL	43.6	2	2	0	0	--
Copper	37.6	27.1	3100	Residential RSL	182	9	9	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	1	0	0	N/A	--
Iron	42000	26600	55000	Residential RSL	71900	9	9	0	0	--
Lead	25.1	8.8	140	Provisional RSL	N/A	9	9	0	N/A	--
Lead	25.1	8.8	400	Residential RSL	34.8	9	9	0	0	--
Manganese	1020	639	1800	Residential RSL	1600	9	9	0	0	--
Mercury	0.02	0.02	23	Residential RSL	0.0795	2	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	118	46.4	23000	Residential RSL	136	9	9	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 170B: 2530 S PARKER ST (402-08-061)										
Metals										
Aluminum	28500	12800	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.72	0.45	31	Residential RSL	2.42	10	3	0	0	--
Arsenic	34.1	12.4	194	Residential 10-4 risk	112	20	20	0	0	--
Cadmium	1.2	0.23	70	Residential RSL	0.824	10	8	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.4	10.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	135	23.2	3100	Residential RSL	182	20	20	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	9	0	0	N/A	--
Iron	42200	20700	55000	Residential RSL	71900	20	20	0	0	--
Lead	41.5	6.1	140	Provisional RSL	N/A	20	20	0	2	--
Lead	41.5	6.1	400	Residential RSL	34.8	20	20	0	2	--
Manganese	1520	612	1800	Residential RSL	1600	20	20	0	0	--
Mercury	0.093	0.041	23	Residential RSL	0.0795	10	4	0	1	--
Silver	0.14	0.083	390	Residential RSL	N/A	10	3	0	N/A	--
Thallium	4.3	2.8	0.78	Residential RSL	2.8	10	5	5	5	--
Zinc	130	39.9	23000	Residential RSL	136	20	20	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 171 and O04: 12516 E CORLEY ST (402-08-023)										
Metals										
Aluminum	13200	6680	77000	Residential RSL	35600	10	10	0	0	Y
Antimony	0.98	0.38	31	Residential RSL	2.42	10	10	0	0	Y
Arsenic	180	16.5	194	Residential 10-4 risk	112	20	20	0	5	Y
Cadmium	1.1	0.35	70	Residential RSL	0.824	10	10	0	3	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.9	6.6	23	Residential RSL	43.6	10	10	0	0	Y
Copper	90.1	36.8	3100	Residential RSL	182	10	10	0	0	Y
Cyanide	0.34	0.2	21	Residential RSL	N/A	10	4	0	N/A	Y
Iron	27500	15100	55000	Residential RSL	71900	10	10	0	0	Y
Lead	130	18	140	Provisional RSL	N/A	20	20	0	18	Y
Lead	130	18	400	Residential RSL	34.8	20	20	0	18	Y
Manganese	623	353	1800	Residential RSL	1600	10	10	0	0	Y
Mercury	0.56	0.077	23	Residential RSL	0.0795	10	10	0	9	Y
Silver	0.56	0.12	390	Residential RSL	N/A	10	10	0	N/A	Y
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	554	171	23000	Residential RSL	136	10	10	0	10	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1710: 13206 E SHAWNEE LN (402-07-104)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	29.1	17.7	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	31.2	23.7	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27500	22900	55000	Residential RSL	71900	3	3	0	0	--
Lead	25.8	18.6	140	Provisional RSL	N/A	3	3	0	N/A	--
Lead	25.8	18.6	400	Residential RSL	34.8	3	3	0	0	--
Manganese	567	516	1800	Residential RSL	1600	3	3	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	116	93.3	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 172: 2591 S COLINA LN (402-08-014E)										
Metals										
Aluminum	14200	8960	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.73	0.33	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	13.9	6.3	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.33	0.062	70	Residential RSL	0.824	10	6	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.4	9	23	Residential RSL	43.6	10	10	0	0	--
Copper	42.9	22.4	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.49	0.23	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	25300	15300	55000	Residential RSL	71900	10	10	0	0	--
Lead	11.8	6.7	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	11.8	6.7	400	Residential RSL	34.8	10	10	0	0	--
Manganese	1280	436	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.053	0.053	23	Residential RSL	0.0795	10	1	0	0	--
Silver	0.6	0.6	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	165	43.9	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 173: 13358 E PRESCOTT ST (402-07-064C), 2725 S JONES ST (402-07-065D)										
Metals										
Aluminum	25400	12400	77000	Residential RSL	35600	11	11	0	0	--
Antimony	0.82	0.49	31	Residential RSL	2.42	11	10	0	0	--
Arsenic	27.1	11.7	194	Residential 10-4 risk	112	21	20	0	0	--
Cadmium	0.94	0.29	70	Residential RSL	0.824	11	10	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	20.2	8.2	23	Residential RSL	43.6	11	11	0	0	--
Copper	155	24.8	3100	Residential RSL	182	21	21	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	42800	20000	55000	Residential RSL	71900	21	21	0	0	--
Lead	88.5	10.6	140	Provisional RSL	N/A	21	21	0	5	--
Lead	88.5	10.6	400	Residential RSL	34.8	21	21	0	5	--
Manganese	2100	471	1800	Residential RSL	1600	21	21	2	3	--
Mercury	0.1	0.04	23	Residential RSL	0.0795	11	4	0	1	--
Silver	0.27	0.078	390	Residential RSL	N/A	11	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	11	0	0	0	--
Zinc	255	78.8	23000	Residential RSL	136	21	21	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 174: 2701 S JONES ST (402-07-064G)										
Metals										
Aluminum	22500	12300	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1	0.53	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	55.1	16.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.8	0.52	70	Residential RSL	0.824	10	10	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18.7	10.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	330	101	3100	Residential RSL	182	10	10	0	4	--
Cyanide	0.61	0.32	21	Residential RSL	N/A	10	5	0	N/A	--
Iron	35200	20000	55000	Residential RSL	71900	10	10	0	0	--
Lead	84.9	28.2	140	Provisional RSL	N/A	10	10	0	7	--
Lead	84.9	28.2	400	Residential RSL	34.8	10	10	0	7	--
Manganese	1950	821	1800	Residential RSL	1600	10	10	2	4	--
Mercury	0.15	0.06	23	Residential RSL	0.0795	10	10	0	5	--
Silver	0.96	0.19	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	611	121	23000	Residential RSL	136	10	10	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 175: 2583 S COLINA LN (402-08-016D)										
Metals										
Aluminum	18600	9250	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.3	0.39	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	52.6	9.6	194	Residential 10-4 risk	112	12	12	0	0	--
Cadmium	0.77	0.087	70	Residential RSL	0.824	10	10	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.3	8.7	23	Residential RSL	43.6	10	10	0	0	--
Copper	99.5575	24.3	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	30500	16100	55000	Residential RSL	71900	10	10	0	0	--
Lead	52	7.5	140	Provisional RSL	N/A	12	12	0	1	--
Lead	52	7.5	400	Residential RSL	34.8	12	12	0	1	--
Manganese	827	403	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.18	0.048	23	Residential RSL	0.0795	10	8	0	4	--
Silver	0.37	0.074	390	Residential RSL	N/A	10	5	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	226	42.3	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 176: 12972 E MAIN ST (402-10-028A)										
Metals										
Aluminum	15100	8180	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.5	0.56	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	106	10	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3.2	0.46	70	Residential RSL	0.824	10	10	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.2	7.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	464	52.1	3100	Residential RSL	182	10	10	0	2	--
Cyanide	0.36	0.34	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	26800	13000	55000	Residential RSL	71900	10	10	0	0	--
Lead	760	98.3	140	Provisional RSL	N/A	10	10	8	10	--
Lead	760	98.3	400	Residential RSL	34.8	10	10	4	10	--
Manganese	798	402	1800	Residential RSL	1600	10	10	0	0	--
Mercury	1.6	0.085	23	Residential RSL	0.0795	10	10	0	10	--
Silver	1.9	0.14	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	2550	231	23000	Residential RSL	136	10	10	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 177: 12941 E PRESCOTT ST (402-10-004D)										
Metals										
Aluminum	10300	7610	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.79	0.4	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	22.3	10.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.5	0.25	70	Residential RSL	0.824	10	10	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.3	6.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	212	38.6	3100	Residential RSL	182	10	10	0	1	--
Cyanide	2.5	0.27	21	Residential RSL	N/A	10	4	0	N/A	--
Iron	19100	13400	55000	Residential RSL	71900	10	10	0	0	--
Lead	228	32	140	Provisional RSL	N/A	10	10	1	8	--
Lead	228	32	400	Residential RSL	34.8	10	10	0	8	--
Manganese	550	418	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.47	0.058	23	Residential RSL	0.0795	10	10	0	9	--
Silver	1.1	0.097	390	Residential RSL	N/A	10	8	0	N/A	--
Thallium	2.5	2.5	0.78	Residential RSL	2.8	10	2	2	0	--
Zinc	348	81.9	23000	Residential RSL	136	10	10	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 178: 13032 E PRESCOTT ST (402-06-074E)										
Metals										
Aluminum	19600	8750	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.6	0.44	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	79.1	17.4	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2	0.59	70	Residential RSL	0.824	10	10	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.1	7.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	125	64	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.56	0.19	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	37000	18800	55000	Residential RSL	71900	10	10	0	0	--
Lead	234	85	140	Provisional RSL	N/A	10	10	5	10	--
Lead	234	85	400	Residential RSL	34.8	10	10	0	10	--
Manganese	754	438	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.39	0.093	23	Residential RSL	0.0795	10	10	0	10	--
Silver	1	0.24	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	574	169	23000	Residential RSL	136	10	10	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 179: 2816 S BUTTE ST (402-07-024B)										
Metals										
Aluminum	20300	14700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.76	0.33	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	39.1	11.5	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.7	0.26	70	Residential RSL	0.824	10	10	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13	9.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	136	35.5	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.21	0.2	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	29500	21900	55000	Residential RSL	71900	10	10	0	0	--
Lead	121	19.4	140	Provisional RSL	N/A	10	10	0	9	--
Lead	121	19.4	400	Residential RSL	34.8	10	10	0	9	--
Manganese	986	537	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.21	0.055	23	Residential RSL	0.0795	10	9	0	8	--
Silver	0.67	0.13	390	Residential RSL	N/A	10	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	342	77	23000	Residential RSL	136	10	10	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 180: 2787 S HECLA ST (402-07-030A), S HECLA ST (402-07-030B)										
Metals										
Aluminum	13200	6160	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.9	0.4	31	Residential RSL	2.42	10	8	0	0	--
Arsenic	241	8.8	194	Residential 10-4 risk	112	10	10	1	1	--
Cadmium	2.7	0.16	70	Residential RSL	0.824	10	10	0	4	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.6	6.7	23	Residential RSL	43.6	10	10	0	0	--
Copper	357	30.9	3100	Residential RSL	182	10	10	0	1	--
Cyanide	0.82	0.2	21	Residential RSL	N/A	10	5	0	N/A	--
Iron	26900	11200	55000	Residential RSL	71900	10	10	0	0	--
Lead	368	15.5	140	Provisional RSL	N/A	10	10	2	8	--
Lead	368	15.5	400	Residential RSL	34.8	10	10	0	8	--
Manganese	597	280	1800	Residential RSL	1600	10	10	0	0	--
Mercury	1.7	0.043	23	Residential RSL	0.0795	10	9	0	8	--
Silver	2.7	0.15	390	Residential RSL	N/A	10	8	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	914	63	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1801: 13680 E TRAILS END (402-24-057)										
Metals										
Aluminum	28200	28200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	227	38.2	194	Residential 10-4 risk	112	4	4	1	1	--
Cadmium	0.64	0.64	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	32	32	23	Residential RSL	43.6	1	1	1	0	--
Copper	110	31	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	45100	24700	55000	Residential RSL	71900	4	4	0	0	--
Lead	38.3	20	140	Provisional RSL	N/A	4	4	0	1	--
Lead	38.3	20	400	Residential RSL	34.8	4	4	0	1	--
Manganese	926	667	1800	Residential RSL	1600	4	4	0	0	--
Mercury	0.037	0.037	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	147	87.5	23000	Residential RSL	136	4	4	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1804: 13705 E TRAILS END (402-24-060)										
Metals										
Aluminum	19700	19700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	46	26.9	194	Residential 10-4 risk	112	3	3	0	0	--
Cadmium	0.4	0.4	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.1	14.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	94.7	27.1	3100	Residential RSL	182	3	3	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	32100	29000	55000	Residential RSL	71900	3	3	0	0	--
Lead	35.9	15.4	140	Provisional RSL	N/A	3	3	0	1	--
Lead	35.9	15.4	400	Residential RSL	34.8	3	3	0	1	--
Manganese	1110	721	1800	Residential RSL	1600	3	3	0	0	--
Mercury	0.045	0.045	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	104	59.9	23000	Residential RSL	136	3	3	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1806: 13805 E TRAILS END (402-05-006C)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	100	20	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	43.1	29.2	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	59700	25300	55000	Residential RSL	71900	4	4	1	0	--
Lead	34.3	18.6	140	Provisional RSL	N/A	4	4	0	N/A	--
Lead	34.3	18.6	400	Residential RSL	34.8	4	4	0	0	--
Manganese	1320	542	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	87.5	65.9	23000	Residential RSL	136	4	4	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1807: 13863 E TRAILS END (402-05-008B)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	50.5	33.7	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	37.4	28	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	32900	29200	55000	Residential RSL	71900	4	4	0	0	--
Lead	25.1	17.2	140	Provisional RSL	N/A	4	4	0	N/A	--
Lead	25.1	17.2	400	Residential RSL	34.8	4	4	0	0	--
Manganese	759	700	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	104	57.8	23000	Residential RSL	136	4	4	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1809: 13830 E BRADSHAW RD (402-05-008A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	62.8	42.7	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	38.5	33.6	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38400	35300	55000	Residential RSL	71900	4	4	0	0	--
Lead	34.3	18.6	140	Provisional RSL	N/A	4	4	0	N/A	--
Lead	34.3	18.6	400	Residential RSL	34.8	4	4	0	0	--
Manganese	1020	764	1800	Residential RSL	1600	4	4	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	93.3	55.8	23000	Residential RSL	136	4	4	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 181: 2770 S BUTTE ST (402-07-084A)										
Metals										
Aluminum	18700	7010	77000	Residential RSL	35600	11	11	0	0	--
Antimony	3.4	0.43	31	Residential RSL	2.42	11	10	0	1	--
Arsenic	300	14.2	194	Residential 10-4 risk	112	23	23	1	2	--
Cadmium	7.4	0.47	70	Residential RSL	0.824	11	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.9	9.1	23	Residential RSL	43.6	11	11	0	0	--
Copper	298	24.4	3100	Residential RSL	182	23	23	0	3	--
Cyanide	3.3	0.48	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	54500	16200	55000	Residential RSL	71900	23	23	0	0	--
Lead	1140	11.3	140	Provisional RSL	N/A	23	23	9	22	--
Lead	1140	11.3	400	Residential RSL	34.8	23	23	3	22	--
Manganese	886	505	1800	Residential RSL	1600	23	23	0	0	--
Mercury	1.2	0.11	23	Residential RSL	0.0795	11	11	0	11	--
Silver	2.3	0.15	390	Residential RSL	N/A	11	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	11	0	0	0	--
Zinc	3380	95.2	23000	Residential RSL	136	23	23	0	21	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 182: 13065 E PRESCOTT ST (402-07-081A)										
Metals										
Aluminum	14000	5690	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2.1	0.74	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	84	23.2	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	12.2	0.7	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18.1	6.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	850	61.4	3100	Residential RSL	182	10	10	0	1	--
Cyanide	0.29	0.17	21	Residential RSL	N/A	10	7	0	N/A	--
Iron	50600	14200	55000	Residential RSL	71900	10	10	0	0	--
Lead	1250	68.7	140	Provisional RSL	N/A	10	10	6	10	--
Lead	1250	68.7	400	Residential RSL	34.8	10	10	2	10	--
Manganese	731	414	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.72	0.075	23	Residential RSL	0.0795	10	9	0	8	--
Silver	2.3	0.19	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	1270	188	23000	Residential RSL	136	10	10	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 183: 13650 E AGUA FRIA LN (402-05-073)										
Metals										
Aluminum	25200	10900	77000	Residential RSL	35600	11	11	0	0	--
Antimony	1.1	0.63	31	Residential RSL	2.42	11	9	0	0	--
Arsenic	65	23.2	194	Residential 10-4 risk	112	26	26	0	0	--
Cadmium	0.81	0.2	70	Residential RSL	0.824	11	9	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	27.1	15.2	23	Residential RSL	43.6	11	11	3	0	--
Copper	130	27.5	3100	Residential RSL	182	26	26	0	0	--
Cyanide	4.6	0.2	21	Residential RSL	N/A	10	10	0	N/A	--
Iron	70100	24200	55000	Residential RSL	71900	26	26	7	0	--
Lead	52.4	20.1	140	Provisional RSL	N/A	26	26	0	11	--
Lead	52.4	20.1	400	Residential RSL	34.8	26	26	0	11	--
Manganese	4120	1380	1800	Residential RSL	1600	26	26	23	25	--
Mercury	0.13	0.028	23	Residential RSL	0.0795	11	11	0	6	--
Silver	1	0.15	390	Residential RSL	N/A	11	9	0	N/A	--
Thallium	2.6	2.5	0.78	Residential RSL	2.8	11	9	9	0	--
Zinc	114	63.4	23000	Residential RSL	136	26	26	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 184: 2945 S THIRD ST (402-10-034A)										
Metals										
Aluminum	12700	8040	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.72	0.38	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	14.7	5.7	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.5	0.075	70	Residential RSL	0.824	10	10	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.2	8.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	433	20.3	3100	Residential RSL	182	10	10	0	1	--
Cyanide	2.7	0.69	21	Residential RSL	N/A	10	7	0	N/A	--
Iron	18800	15400	55000	Residential RSL	71900	10	10	0	0	--
Lead	48	7.3	140	Provisional RSL	N/A	10	10	0	2	--
Lead	48	7.3	400	Residential RSL	34.8	10	10	0	2	--
Manganese	635	346	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.13	0.044	23	Residential RSL	0.0795	10	7	0	4	--
Silver	1.1	0.13	390	Residential RSL	N/A	10	7	0	N/A	--
Thallium	2.6	2.5	0.78	Residential RSL	2.8	10	6	6	0	--
Zinc	130	37.5	23000	Residential RSL	136	10	10	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 185: 3026 S THIRD ST (402-08-064A)										
Metals										
Aluminum	18900	10800	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.96	0.38	31	Residential RSL	2.42	12	10	0	0	--
Arsenic	121	8.1	194	Residential 10-4 risk	112	15	15	0	1	--
Cadmium	1.2	0.091	70	Residential RSL	0.824	12	10	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	38.3	9.9	23	Residential RSL	43.6	10	10	1	0	--
Copper	109	19.2	3100	Residential RSL	182	12	12	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	34600	16900	55000	Residential RSL	71900	10	10	0	0	--
Lead	98.5	5.3	140	Provisional RSL	N/A	15	13	0	2	--
Lead	98.5	5.3	400	Residential RSL	34.8	15	13	0	2	--
Manganese	767	506	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.55	0.062	23	Residential RSL	0.0795	13	6	0	5	--
Silver	0.46	0.1	390	Residential RSL	N/A	12	3	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	12	0	0	0	--
Zinc	372	35	23000	Residential RSL	136	12	12	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 186: 13098 E THIRD ALLEY (402-07-026C)										
Metals										
Aluminum	18500	13000	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.69	0.35	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	16.9	6.3	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.73	0.17	70	Residential RSL	0.824	10	10	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.2	9.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	107	31.5	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.5	0.5	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	23600	18100	55000	Residential RSL	71900	10	10	0	0	--
Lead	83.5	10.4	140	Provisional RSL	N/A	10	10	0	4	--
Lead	83.5	10.4	400	Residential RSL	34.8	10	10	0	4	--
Manganese	711	535	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.11	0.05	23	Residential RSL	0.0795	10	10	0	7	--
Silver	0.28	0.12	390	Residential RSL	N/A	10	5	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	173	50.3	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 187: 2770 S AZURITE ST (402-07-089)										
Metals										
Aluminum	18200	11500	77000	Residential RSL	35600	9	9	0	0	--
Antimony	--	--	31	Residential RSL	2.42	9	0	0	0	--
Arsenic	36.3	2.8	194	Residential 10-4 risk	112	9	9	0	0	--
Cadmium	2	0.93	70	Residential RSL	0.824	9	9	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	58.8	14.6	23	Residential RSL	43.6	9	9	1	1	--
Copper	168	30	3100	Residential RSL	182	9	9	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	9	0	0	N/A	--
Iron	32500	23100	55000	Residential RSL	71900	9	9	0	0	--
Lead	56.1	5.3	140	Provisional RSL	N/A	9	9	0	3	--
Lead	56.1	5.3	400	Residential RSL	34.8	9	9	0	3	--
Manganese	1840	373	1800	Residential RSL	1600	9	9	1	1	--
Mercury	0.096	0.096	23	Residential RSL	0.0795	9	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	9	0	0	N/A	--
Thallium	0.48	0.1	0.78	Residential RSL	2.8	9	8	0	0	--
Zinc	166	25.3	23000	Residential RSL	136	9	9	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 188: 13059 E PRESCOTT ST (402-07-080)										
Metals										
Aluminum	15800	8450	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2	0.68	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	72.6	23.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3.6	0.67	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.5	8.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	585	68.3	3100	Residential RSL	182	10	10	0	5	--
Cyanide	0.24	0.19	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	24900	16600	55000	Residential RSL	71900	10	10	0	0	--
Lead	479	75.4	140	Provisional RSL	N/A	10	10	7	10	--
Lead	479	75.4	400	Residential RSL	34.8	10	10	1	10	--
Manganese	618	407	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.56	0.1	23	Residential RSL	0.0795	10	10	0	10	--
Silver	3.3	0.27	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	782	200	23000	Residential RSL	136	10	10	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 189: 2769 S HECLA ST (402-07-079), 2775 S HECLA ST (402-07-078), S HECLA ST (402-07-078A)										
Metals										
Aluminum	19800	10800	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.91	0.42	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	32.8	11.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.5	0.13	70	Residential RSL	0.824	10	10	0	6	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.8	9.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	491	26.2	3100	Residential RSL	182	10	10	0	1	--
Cyanide	0.26	0.24	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	24700	18100	55000	Residential RSL	71900	10	10	0	0	--
Lead	101	11.5	140	Provisional RSL	N/A	10	10	0	7	--
Lead	101	11.5	400	Residential RSL	34.8	10	10	0	7	--
Manganese	649	448	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.17	0.056	23	Residential RSL	0.0795	10	9	0	5	--
Silver	0.52	0.095	390	Residential RSL	N/A	10	9	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	323	50.6	23000	Residential RSL	136	10	10	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 190: 13007 E MAIN ST (402-07-092), 13011 E MAIN ST (402-07-093C), 13027 E MAIN ST (402-07-094)										
Metals										
Aluminum	19400	13700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.2	0.41	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	71.7	14.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	4.4	0.3	70	Residential RSL	0.824	10	10	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.7	10.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	307	37.6	3100	Residential RSL	182	10	10	0	3	--
Cyanide	0.19	0.19	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	27100	20800	55000	Residential RSL	71900	10	10	0	0	--
Lead	228	14.9	140	Provisional RSL	N/A	10	10	3	7	--
Lead	228	14.9	400	Residential RSL	34.8	10	10	0	7	--
Manganese	916	559	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.97	0.06	23	Residential RSL	0.0795	10	10	0	8	--
Silver	1.7	0.15	390	Residential RSL	N/A	10	3	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	1330	79.8	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1902: 13845 E LAZY RIVER DR (402-05-081)										
Metals										
Aluminum	34800	25000	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	143	50.5	194	Residential 10-4 risk	112	17	17	0	2	--
Cadmium	0.15	0.15	70	Residential RSL	0.824	2	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	26.4	22.9	23	Residential RSL	43.6	2	2	1	0	--
Copper	70.1	28.2	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	92300	45700	55000	Residential RSL	71900	17	17	14	8	--
Lead	25.1	7.58	140	Provisional RSL	N/A	17	17	0	N/A	--
Lead	25.1	7.58	400	Residential RSL	34.8	17	17	0	0	--
Manganese	1660	886	1800	Residential RSL	1600	17	17	0	2	--
Mercury	0.052	0.052	23	Residential RSL	0.0795	2	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	115	57.8	23000	Residential RSL	136	17	17	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1903: 13933 E LAZY RIVER DR (402-05-096C)										
Metals										
Aluminum	29800	18000	77000	Residential RSL	35600	4	4	0	0	--
Antimony	2	1.6	31	Residential RSL	2.42	3	3	0	0	--
Arsenic	571	44.9	194	Residential 10-4 risk	112	30	30	9	17	--
Cadmium	0.21	0.16	70	Residential RSL	0.824	4	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	38.4	26.3	23	Residential RSL	43.6	4	4	4	0	--
Copper	88.8	27.1	3100	Residential RSL	182	30	30	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	144000	42600	55000	Residential RSL	71900	30	30	23	8	--
Lead	34.3	5.86	140	Provisional RSL	N/A	30	28	0	N/A	--
Lead	34.3	5.86	400	Residential RSL	34.8	30	28	0	0	--
Manganese	2990	870	1800	Residential RSL	1600	30	30	4	5	--
Mercury	0.052	0.011	23	Residential RSL	0.0795	4	3	0	0	--
Silver	--	--	390	Residential RSL	N/A	4	0	0	N/A	--
Thallium	0.24	0.24	0.78	Residential RSL	2.8	4	2	0	0	--
Zinc	132	45.3	23000	Residential RSL	136	30	30	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1906: 13920 E GALAXY VIEW WAY (402-05-093C)										
Metals										
Aluminum	35400	30000	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	218	55	194	Residential 10-4 risk	112	18	18	1	8	--
Cadmium	0.68	0.68	70	Residential RSL	0.824	2	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	26.9	18.4	23	Residential RSL	43.6	2	2	1	0	--
Copper	112	32.6	3100	Residential RSL	182	18	18	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	87700	55700	55000	Residential RSL	71900	18	18	18	8	--
Lead	39.1	7.3	140	Provisional RSL	N/A	18	18	0	1	--
Lead	39.1	7.3	400	Residential RSL	34.8	18	18	0	1	--
Manganese	2210	1110	1800	Residential RSL	1600	18	18	5	5	--
Mercury	0.049	0.035	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	127	42.1	23000	Residential RSL	136	18	17	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1907: 2902 S SLEEPY ACRE LN (402-05-092B)										
Metals										
Aluminum	20900	20500	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	110	42.7	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	35.9	29.4	23	Residential RSL	43.6	2	2	2	0	--
Copper	76.9	31	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	180000	44200	55000	Residential RSL	71900	17	17	16	13	--
Lead	57.6	13.2	140	Provisional RSL	N/A	17	17	0	8	--
Lead	57.6	13.2	400	Residential RSL	34.8	17	17	0	8	--
Manganese	15200	1320	1800	Residential RSL	1600	17	17	15	16	--
Mercury	0.036	0.034	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	217	50.6	23000	Residential RSL	136	17	16	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1908: 13933 E GALAXY VIEW WAY (402-05-092A)										
Metals										
Aluminum	38400	38400	77000	Residential RSL	35600	1	1	0	1	--
Antimony	1.6	1.6	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	169	51.6	194	Residential 10-4 risk	112	17	17	0	4	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	45.8	45.8	23	Residential RSL	43.6	1	1	1	1	--
Copper	158	25	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	87200	55500	55000	Residential RSL	71900	17	17	17	8	--
Lead	35.1	7.8	140	Provisional RSL	N/A	17	11	0	1	--
Lead	35.1	7.8	400	Residential RSL	34.8	17	11	0	1	--
Manganese	3260	794	1800	Residential RSL	1600	17	17	2	3	--
Mercury	0.038	0.038	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	159	79.8	23000	Residential RSL	136	17	17	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1909: 2990 S SLEEPY ACRE LN (402-05-091)										
Metals										
Aluminum	19600	13500	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	179	21.1	194	Residential 10-4 risk	112	13	13	0	1	--
Cadmium	0.11	0.11	70	Residential RSL	0.824	2	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	26.8	14.6	23	Residential RSL	43.6	2	2	1	0	--
Copper	65.5	24.8	3100	Residential RSL	182	13	13	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	56500	26800	55000	Residential RSL	71900	13	13	2	0	--
Lead	39.1	4.3	140	Provisional RSL	N/A	13	13	0	1	--
Lead	39.1	4.3	400	Residential RSL	34.8	13	13	0	1	--
Manganese	1690	481	1800	Residential RSL	1600	13	13	0	1	--
Mercury	0.024	0.024	23	Residential RSL	0.0795	2	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	116	39.9	23000	Residential RSL	136	13	13	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1910: 13950 E AGUA FRIA LN (402-05-090)										
Metals										
Aluminum	17600	15500	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	90.5	41.1	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	34.2	17.8	23	Residential RSL	43.6	2	2	1	0	--
Copper	130	28.9	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	300000	53400	55000	Residential RSL	71900	17	17	15	13	--
Lead	52.4	7	140	Provisional RSL	N/A	17	17	0	8	--
Lead	52.4	7	400	Residential RSL	34.8	17	17	0	8	--
Manganese	17500	1110	1800	Residential RSL	1600	17	17	15	15	--
Mercury	0.09	0.076	23	Residential RSL	0.0795	2	2	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	0.22	0.22	0.78	Residential RSL	2.8	2	1	0	0	--
Zinc	265	85.6	23000	Residential RSL	136	17	17	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1911: 13880 E AGUA FRIA LN (402-05-089)										
Metals										
Aluminum	16100	16100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	227	51.7	194	Residential 10-4 risk	112	17	17	1	3	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	24	24	23	Residential RSL	43.6	1	1	1	0	--
Copper	62.5	24.4	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	230000	76000	55000	Residential RSL	71900	17	17	17	17	--
Lead	39.9	8.77	140	Provisional RSL	N/A	17	15	0	2	--
Lead	39.9	8.77	400	Residential RSL	34.8	17	15	0	2	--
Manganese	12900	1610	1800	Residential RSL	1600	17	17	16	17	--
Mercury	0.036	0.036	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	196	90.4	23000	Residential RSL	136	17	17	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1912: 13800 E AGUA FRIA LN (402-05-087B)										
Metals										
Aluminum	36100	36100	77000	Residential RSL	35600	1	1	0	1	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	208	18.9	194	Residential 10-4 risk	112	17	17	1	6	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	21.9	21.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	54.7	23.7	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	97600	38300	55000	Residential RSL	71900	17	17	16	10	--
Lead	33.5	4.76	140	Provisional RSL	N/A	17	13	0	N/A	--
Lead	33.5	4.76	400	Residential RSL	34.8	17	13	0	0	--
Manganese	2390	698	1800	Residential RSL	1600	17	17	3	3	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	178	71.9	23000	Residential RSL	136	17	17	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1913: 2975 S GREEN VALLEY WAY (402-05-087A)										
Metals										
Aluminum	27500	27500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	246	40.4	194	Residential 10-4 risk	112	18	18	1	2	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	30.5	30.5	23	Residential RSL	43.6	1	1	1	0	--
Copper	74.8	30.7	3100	Residential RSL	182	18	18	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	84800	44200	55000	Residential RSL	71900	18	18	13	4	--
Lead	42.3	11.3	140	Provisional RSL	N/A	18	18	0	1	--
Lead	42.3	11.3	400	Residential RSL	34.8	18	18	0	1	--
Manganese	3720	755	1800	Residential RSL	1600	18	18	6	7	--
Mercury	0.023	0.023	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	114	35.6	23000	Residential RSL	136	18	17	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1914: 2915 S GREEN VALLEY WAY (402-05-085B)										
Metals										
Aluminum	26100	25900	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	132	44.9	194	Residential 10-4 risk	112	19	19	0	4	--
Cadmium	--	--	70	Residential RSL	0.824	3	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	31.7	26.6	23	Residential RSL	43.6	3	3	3	0	--
Copper	104	26.5	3100	Residential RSL	182	19	19	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	82600	37700	55000	Residential RSL	71900	19	19	13	2	--
Lead	49	13.2	140	Provisional RSL	N/A	19	14	0	3	--
Lead	49	13.2	400	Residential RSL	34.8	19	14	0	3	--
Manganese	2900	1020	1800	Residential RSL	1600	19	19	7	11	--
Mercury	0.052	0.017	23	Residential RSL	0.0795	3	3	0	0	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	161	47.4	23000	Residential RSL	136	19	19	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1915: 2895 S GREEN VALLEY WAY (402-05-085A)										
Metals										
Aluminum	25400	25400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	86.1	46	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	26.4	26.4	23	Residential RSL	43.6	1	1	1	0	--
Copper	56.6	24.1	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	87000	45700	55000	Residential RSL	71900	17	17	10	1	--
Lead	60.2	7	140	Provisional RSL	N/A	17	13	0	1	--
Lead	60.2	7	400	Residential RSL	34.8	17	13	0	1	--
Manganese	6260	1080	1800	Residential RSL	1600	17	17	11	11	--
Mercury	0.046	0.046	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	154	62.9	23000	Residential RSL	136	17	17	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 1917: 2845 S GREEN VALLEY WAY (402-05-083)										
Metals										
Aluminum	29400	29400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	69.5	43.9	194	Residential 10-4 risk	112	4	4	0	0	--
Cadmium	0.29	0.29	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.6	19.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	66.2	34.7	3100	Residential RSL	182	4	4	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	68700	60400	55000	Residential RSL	71900	4	4	4	0	--
Lead	55	13.5	140	Provisional RSL	N/A	4	4	0	2	--
Lead	55	13.5	400	Residential RSL	34.8	4	4	0	2	--
Manganese	1870	985	1800	Residential RSL	1600	4	4	1	2	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	119	74.9	23000	Residential RSL	136	4	4	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 191A: 13622 E LAZY RIVER DR (402-05-001D)										
Metals										
Aluminum	33300	15300	77000	Residential RSL	35600	5	5	0	0	--
Antimony	--	--	31	Residential RSL	2.42	5	0	0	0	--
Arsenic	85	23.4	194	Residential 10-4 risk	112	20	20	0	0	--
Cadmium	1.6	1.1	70	Residential RSL	0.824	5	3	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.8	12.2	23	Residential RSL	43.6	5	5	0	0	--
Copper	71.3	26.3	3100	Residential RSL	182	20	20	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	3	0	0	N/A	--
Iron	52000	25700	55000	Residential RSL	71900	20	20	0	0	--
Lead	28.9	7.58	140	Provisional RSL	N/A	20	19	0	N/A	--
Lead	28.9	7.58	400	Residential RSL	34.8	20	19	0	0	--
Manganese	1960	639	1800	Residential RSL	1600	20	20	2	3	--
Mercury	0.012	0.012	23	Residential RSL	0.0795	5	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	5	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	5	0	0	0	--
Zinc	150	61.1	23000	Residential RSL	136	20	20	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 191B: 13600 E LAZY RIVER DR (402-05-001E)										
Metals										
Aluminum	23700	11700	77000	Residential RSL	35600	9	9	0	0	--
Antimony	--	--	31	Residential RSL	2.42	9	0	0	0	--
Arsenic	68.4	28	194	Residential 10-4 risk	112	25	25	0	0	--
Cadmium	1.7	1.1	70	Residential RSL	0.824	9	7	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.7	12.9	23	Residential RSL	43.6	9	9	0	0	--
Copper	117	26.7	3100	Residential RSL	182	25	25	0	0	--
Cyanide	0.83	0.83	21	Residential RSL	N/A	7	1	0	N/A	--
Iron	44900	25100	55000	Residential RSL	71900	25	25	0	0	--
Lead	75.5	8.1	140	Provisional RSL	N/A	25	25	0	4	--
Lead	75.5	8.1	400	Residential RSL	34.8	25	25	0	4	--
Manganese	1720	623	1800	Residential RSL	1600	25	25	0	1	--
Mercury	0.24	0.021	23	Residential RSL	0.0795	9	4	0	1	--
Silver	--	--	390	Residential RSL	N/A	9	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	9	0	0	0	--
Zinc	187	48.5	23000	Residential RSL	136	25	25	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 192: 2895 S BUTTE ST (402-07-018H)										
Metals										
Aluminum	21200	12800	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.1	0.6	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	45.8	13.5	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.4	0.2	70	Residential RSL	0.824	10	10	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.3	11	23	Residential RSL	43.6	10	10	0	0	--
Copper	164	45.3	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.33	0.29	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	28400	20500	55000	Residential RSL	71900	10	10	0	0	--
Lead	172	16.8	140	Provisional RSL	N/A	10	10	1	5	--
Lead	172	16.8	400	Residential RSL	34.8	10	10	0	5	--
Manganese	1670	628	1800	Residential RSL	1600	10	10	0	1	--
Mercury	0.28	0.054	23	Residential RSL	0.0795	10	10	0	5	--
Silver	1.1	0.086	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	413	77.9	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 193: 2847 S DANA ST (402-07-008C)										
Metals										
Aluminum	13600	9100	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	21.1	11.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.6	1.1	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.1	9.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	233	58.5	3100	Residential RSL	182	10	10	0	1	--
Cyanide	1	0.17	21	Residential RSL	N/A	10	5	0	N/A	--
Iron	22700	16900	55000	Residential RSL	71900	10	10	0	0	--
Lead	58.7	15.3	140	Provisional RSL	N/A	10	10	0	3	--
Lead	58.7	15.3	400	Residential RSL	34.8	10	10	0	3	--
Manganese	2070	888	1800	Residential RSL	1600	10	10	1	1	--
Mercury	0.067	0.013	23	Residential RSL	0.0795	10	8	0	0	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.41	0.065	0.78	Residential RSL	2.8	10	7	0	0	--
Zinc	2070	87.8	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 194: 13155 E PRESCOTT ST (402-07-087D)										
Metals										
Aluminum	21000	11600	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2.2	1.4	31	Residential RSL	2.42	10	8	0	0	--
Arsenic	25.9	11.2	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.7	0.92	70	Residential RSL	0.824	10	9	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	34.3	11.2	23	Residential RSL	43.6	10	10	1	0	--
Copper	110	27	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.24	0.23	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	41200	17200	55000	Residential RSL	71900	10	10	0	0	--
Lead	58.1	6.2	140	Provisional RSL	N/A	10	10	0	1	--
Lead	58.1	6.2	400	Residential RSL	34.8	10	10	0	1	--
Manganese	1000	610	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.071	0.015	23	Residential RSL	0.0795	10	4	0	0	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.15	0.084	0.78	Residential RSL	2.8	10	4	0	0	--
Zinc	162	50.6	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 195: 12967 E MAIN ST (402-10-032)										
Metals										
Aluminum	17600	10200	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.4	0.3	31	Residential RSL	2.42	10	6	0	0	--
Arsenic	151	13.2	194	Residential 10-4 risk	112	10	10	0	1	--
Cadmium	0.98	0.72	70	Residential RSL	0.824	10	6	0	4	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	22.8	8.5	23	Residential RSL	43.6	10	9	0	0	--
Copper	621	45.2	3100	Residential RSL	182	10	10	0	2	--
Cyanide	0.33	0.33	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	26300	16200	55000	Residential RSL	71900	10	10	0	0	--
Lead	350	19.9	140	Provisional RSL	N/A	10	10	2	8	--
Lead	350	19.9	400	Residential RSL	34.8	10	10	0	8	--
Manganese	1080	218	1800	Residential RSL	1600	10	10	0	0	--
Mercury	1.2	0.019	23	Residential RSL	0.0795	10	10	0	8	--
Silver	1.7	0.26	390	Residential RSL	N/A	10	5	0	N/A	--
Thallium	0.41	0.14	0.78	Residential RSL	2.8	10	9	0	0	--
Zinc	298	76.6	23000	Residential RSL	136	10	10	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 196: 12928 E CHAPARRAL ST (402-10-037)										
Metals										
Aluminum	17700	9020	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.45	0.45	31	Residential RSL	2.42	10	1	0	0	--
Arsenic	37	18.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.6	0.55	70	Residential RSL	0.824	10	8	0	6	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14	7.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	134	43.8	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.72	0.28	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	28800	16500	55000	Residential RSL	71900	10	10	0	0	--
Lead	287	47.1	140	Provisional RSL	N/A	10	10	4	10	--
Lead	287	47.1	400	Residential RSL	34.8	10	10	0	10	--
Manganese	965	460	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.4	0.05	23	Residential RSL	0.0795	10	10	0	9	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.31	0.16	0.78	Residential RSL	2.8	10	3	0	0	--
Zinc	501	132	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 197: 2627 S RENO DR (402-08-020E)										
Metals										
Aluminum	18900	13200	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	22.9	8.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.5	1.1	70	Residential RSL	0.824	10	9	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.2	10.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	49.2	29.1	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.21	0.21	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	35400	23200	55000	Residential RSL	71900	10	10	0	0	--
Lead	15.2	7.8	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	15.2	7.8	400	Residential RSL	34.8	10	10	0	0	--
Manganese	1070	629	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.068	0.014	23	Residential RSL	0.0795	10	5	0	0	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	511	52.9	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 198: 12995 E MAIN ST (402-10-041), 13003 E MAIN ST (402-07-090), 13005 E MAIN ST (402-07-091)										
Metals										
Aluminum	14600	7930	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	24.6	6.4	194	Residential 10-4 risk	112	14	14	0	0	--
Cadmium	1.7	0.73	70	Residential RSL	0.824	10	9	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.8	6.3	23	Residential RSL	43.6	10	10	0	0	--
Copper	171	18.9	3100	Residential RSL	182	14	14	0	0	--
Cyanide	4.4	0.16	21	Residential RSL	N/A	10	5	0	N/A	--
Iron	28300	14700	55000	Residential RSL	71900	14	14	0	0	--
Lead	113	5.6	140	Provisional RSL	N/A	14	14	0	8	--
Lead	113	5.6	400	Residential RSL	34.8	14	14	0	8	--
Manganese	851	429	1800	Residential RSL	1600	14	14	0	0	--
Mercury	0.2	0.016	23	Residential RSL	0.0795	10	7	0	4	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	371	45	23000	Residential RSL	136	14	14	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 199: 13611 E AGUA FRIA LN (402-11-004B)										
Metals										
Aluminum	34300	15900	77000	Residential RSL	35600	11	11	0	0	--
Antimony	1.8	1.1	31	Residential RSL	2.42	11	5	0	0	--
Arsenic	165	20.3	194	Residential 10-4 risk	112	27	26	0	1	--
Cadmium	2.6	0.64	70	Residential RSL	0.824	11	9	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	33.9	20.2	23	Residential RSL	43.6	11	11	6	0	--
Copper	508	30.1	3100	Residential RSL	182	27	27	0	6	--
Cyanide	0.8	0.18	21	Residential RSL	N/A	10	4	0	N/A	--
Iron	64700	18900	55000	Residential RSL	71900	27	27	3	0	--
Lead	253	17.9	140	Provisional RSL	N/A	27	27	3	22	--
Lead	253	17.9	400	Residential RSL	34.8	27	27	0	22	--
Manganese	1860	695	1800	Residential RSL	1600	27	27	1	1	--
Mercury	0.28	0.013	23	Residential RSL	0.0795	11	11	0	4	--
Silver	1.6	1.6	390	Residential RSL	N/A	11	1	0	N/A	--
Thallium	1.6	1.1	0.78	Residential RSL	2.8	11	9	9	0	--
Zinc	289	48.5	23000	Residential RSL	136	27	27	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 201: 3250 S GREEN VALLEY WAY (402-11-037T)										
Metals										
Aluminum	45500	16100	77000	Residential RSL	35600	10	10	0	1	--
Antimony	1	0.17	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	69.8	6	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	4.1	2	70	Residential RSL	0.824	10	9	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	41.1	16.3	23	Residential RSL	43.6	10	10	9	0	--
Copper	362	56.3	3100	Residential RSL	182	10	10	0	2	--
Cyanide	0.15	0.15	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	85200	29900	55000	Residential RSL	71900	10	10	6	1	--
Lead	89.7	0.77	140	Provisional RSL	N/A	10	10	0	2	--
Lead	89.7	0.77	400	Residential RSL	34.8	10	10	0	2	--
Manganese	5660	630	1800	Residential RSL	1600	10	10	4	5	--
Mercury	0.21	0.21	23	Residential RSL	0.0795	10	1	0	1	--
Silver	0.055	0.055	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	0.82	0.033	0.78	Residential RSL	2.8	10	5	1	0	--
Zinc	199	72.8	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 202: 2971 S THIRD ST (402-10-043B)										
Metals										
Aluminum	19700	13000	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2	1.2	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	29.9	13.6	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.4	0.81	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.2	12	23	Residential RSL	43.6	10	10	0	0	--
Copper	144	26.9	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.15	0.15	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	21300	15200	55000	Residential RSL	71900	10	10	0	0	--
Lead	134	6.4	140	Provisional RSL	N/A	10	10	0	3	--
Lead	134	6.4	400	Residential RSL	34.8	10	10	0	3	--
Manganese	925	590	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.42	0.29	23	Residential RSL	0.0795	10	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	420	35.1	23000	Residential RSL	136	10	10	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 203A: 13425 E PRESCOTT ST (402-06-028M)										
Metals										
Aluminum	30600	10700	77000	Residential RSL	35600	11	11	0	0	--
Antimony	3.8	0.95	31	Residential RSL	2.42	11	11	0	2	--
Arsenic	237	22.6	194	Residential 10-4 risk	112	23	23	2	7	--
Cadmium	9.6	1.6	70	Residential RSL	0.824	11	11	0	11	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.9	13	23	Residential RSL	43.6	11	11	0	0	--
Copper	2270	44	3100	Residential RSL	182	23	23	0	11	--
Cyanide	0.23	0.15	21	Residential RSL	N/A	9	2	0	N/A	--
Iron	40900	14800	55000	Residential RSL	71900	23	23	0	0	--
Lead	602	25.1	140	Provisional RSL	N/A	23	23	10	22	--
Lead	602	25.1	400	Residential RSL	34.8	23	23	2	22	--
Manganese	1520	431	1800	Residential RSL	1600	23	23	0	0	--
Mercury	1.1	0.11	23	Residential RSL	0.0795	11	9	0	9	--
Silver	7.7	1.3	390	Residential RSL	N/A	11	5	0	N/A	--
Thallium	0.44	0.14	0.78	Residential RSL	2.8	11	8	0	0	--
Zinc	1170	136	23000	Residential RSL	136	23	23	0	23	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 203B: 13425 E PRESCOTT ST (402-06-028M)										
Metals										
Aluminum	25400	19100	77000	Residential RSL	35600	3	3	0	0	--
Antimony	3	0.78	31	Residential RSL	2.42	3	2	0	1	--
Arsenic	191	22.3	194	Residential 10-4 risk	112	21	20	0	6	--
Cadmium	9.5	1.7	70	Residential RSL	0.824	3	3	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	20.7	15.9	23	Residential RSL	43.6	3	3	0	0	--
Copper	1590	35.1	3100	Residential RSL	182	21	21	0	3	--
Cyanide	0.19	0.19	21	Residential RSL	N/A	3	1	0	N/A	--
Iron	52300	20200	55000	Residential RSL	71900	21	21	0	0	--
Lead	678	11.3	140	Provisional RSL	N/A	21	21	13	17	--
Lead	678	11.3	400	Residential RSL	34.8	21	21	5	17	--
Manganese	2080	643	1800	Residential RSL	1600	21	21	1	1	--
Mercury	0.64	0.13	23	Residential RSL	0.0795	3	2	0	2	--
Silver	3.2	3.2	390	Residential RSL	N/A	3	1	0	N/A	--
Thallium	0.36	0.36	0.78	Residential RSL	2.8	3	1	0	0	--
Zinc	2040	125	23000	Residential RSL	136	21	21	0	19	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 204: 2737 S OLD BLACK CANYON HWY (402-07-055C)										
Metals										
Aluminum	19000	12700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.8	1	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	35.3	13.7	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.6	0.94	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18.5	12.5	23	Residential RSL	43.6	10	10	0	0	--
Copper	230	39.8	3100	Residential RSL	182	10	10	0	3	--
Cyanide	0.61	0.22	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	30500	21500	55000	Residential RSL	71900	10	10	0	0	--
Lead	56	12.2	140	Provisional RSL	N/A	10	10	0	9	--
Lead	56	12.2	400	Residential RSL	34.8	10	10	0	9	--
Manganese	1570	1040	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.12	0.024	23	Residential RSL	0.0795	10	10	0	6	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.18	0.18	0.78	Residential RSL	2.8	10	1	0	0	--
Zinc	650	51.1	23000	Residential RSL	136	10	10	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 205: 2749 S OLD BLACK CANYON HWY (402-07-056)										
Metals										
Aluminum	22000	11000	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.8	1	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	39.8	16.3	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.7	0.73	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18.4	12.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	423	77	3100	Residential RSL	182	10	10	0	2	--
Cyanide	0.3	0.3	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	30500	21800	55000	Residential RSL	71900	10	10	0	0	--
Lead	76.6	19	140	Provisional RSL	N/A	10	10	0	3	--
Lead	76.6	19	400	Residential RSL	34.8	10	10	0	3	--
Manganese	1580	1130	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.11	0.02	23	Residential RSL	0.0795	10	10	0	3	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.12	0.12	0.78	Residential RSL	2.8	10	1	0	0	--
Zinc	489	105	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 206: 13215 E SHAWNEE LN (402-07-106)										
Metals										
Aluminum	11600	9400	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.6	1.2	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	26.5	16.7	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.6	1.1	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.5	9.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	293	53.6	3100	Residential RSL	182	10	10	0	3	--
Cyanide	0.38	0.15	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	20900	16300	55000	Residential RSL	71900	10	10	0	0	--
Lead	64.2	28.2	140	Provisional RSL	N/A	10	10	0	6	--
Lead	64.2	28.2	400	Residential RSL	34.8	10	10	0	6	--
Manganese	763	587	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.2	0.098	23	Residential RSL	0.0795	10	9	0	9	--
Silver	0.42	0.085	390	Residential RSL	N/A	10	6	0	N/A	--
Thallium	0.076	0.043	0.78	Residential RSL	2.8	10	4	0	0	--
Zinc	220	104	23000	Residential RSL	136	10	10	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 207: 2745 S JONES ST (402-07-066)										
Metals										
Aluminum	16100	12000	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.9	0.87	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	35.6	6.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.9	0.81	70	Residential RSL	0.824	10	9	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.1	9.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	173	41.9	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	30300	17300	55000	Residential RSL	71900	10	10	0	0	--
Lead	46.7	13.1	140	Provisional RSL	N/A	10	10	0	2	--
Lead	46.7	13.1	400	Residential RSL	34.8	10	10	0	2	--
Manganese	889	543	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.22	0.19	23	Residential RSL	0.0795	10	2	0	2	--
Silver	0.17	0.17	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	0.13	0.087	0.78	Residential RSL	2.8	10	3	0	0	--
Zinc	201	51.8	23000	Residential RSL	136	10	10	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 208: 2565 S HILL ST (402-09-016D)										
Metals										
Aluminum	19600	8260	77000	Residential RSL	35600	10	10	0	0	Y
Antimony	4.7	0.99	31	Residential RSL	2.42	10	9	0	1	Y
Arsenic	817	13.2	194	Residential 10-4 risk	112	10	10	1	1	Y
Cadmium	8.2	0.65	70	Residential RSL	0.824	10	9	0	6	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.5	6.7	23	Residential RSL	43.6	10	10	0	0	Y
Copper	122	26	3100	Residential RSL	182	10	10	0	0	Y
Cyanide	0.66	0.16	21	Residential RSL	N/A	10	5	0	N/A	Y
Iron	50900	12500	55000	Residential RSL	71900	10	10	0	0	Y
Lead	576	14.5	140	Provisional RSL	N/A	10	10	1	2	Y
Lead	576	14.5	400	Residential RSL	34.8	10	10	1	2	Y
Manganese	916	386	1800	Residential RSL	1600	10	10	0	0	Y
Mercury	2.7	0.026	23	Residential RSL	0.0795	10	10	0	4	Y
Silver	3	0.16	390	Residential RSL	N/A	10	2	0	N/A	Y
Thallium	0.43	0.086	0.78	Residential RSL	2.8	10	8	0	0	Y
Zinc	1740	65.8	23000	Residential RSL	136	10	10	0	6	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 209: 2669 S HILL ST (402-09-007)										
Metals										
Aluminum	14400	11500	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1	1	31	Residential RSL	2.42	10	1	0	0	--
Arsenic	33	9.4	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.2	0.59	70	Residential RSL	0.824	10	9	0	6	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.5	8.7	23	Residential RSL	43.6	10	10	0	0	--
Copper	79.9	25	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.2	0.2	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	29500	16500	55000	Residential RSL	71900	10	10	0	0	--
Lead	34.9	7.4	140	Provisional RSL	N/A	10	10	0	1	--
Lead	34.9	7.4	400	Residential RSL	34.8	10	10	0	1	--
Manganese	691	507	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.12	0.012	23	Residential RSL	0.0795	10	8	0	1	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.37	0.061	0.78	Residential RSL	2.8	10	8	0	0	--
Zinc	389	58.5	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 210: 2585 S HILL ST (402-09-016E)										
Metals										
Aluminum	13300	9190	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	42.9	13.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.2	0.6	70	Residential RSL	0.824	10	10	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.1	7	23	Residential RSL	43.6	10	10	0	0	--
Copper	45.6	27.7	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.22	0.17	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	21800	13500	55000	Residential RSL	71900	10	10	0	0	--
Lead	41	8	140	Provisional RSL	N/A	10	10	0	1	--
Lead	41	8	400	Residential RSL	34.8	10	10	0	1	--
Manganese	946	501	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.15	0.022	23	Residential RSL	0.0795	10	9	0	2	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.25	0.073	0.78	Residential RSL	2.8	10	8	0	0	--
Zinc	252	52.8	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2102: ALPINE RIDGE RD (402-08-027Q)										
Metals										
Aluminum	24700	21500	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	178	21.1	194	Residential 10-4 risk	112	17	17	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.7	12.2	23	Residential RSL	43.6	2	2	0	0	--
Copper	42.7	20.4	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	55100	31600	55000	Residential RSL	71900	17	17	1	0	--
Lead	105	7.58	140	Provisional RSL	N/A	17	17	0	6	--
Lead	105	7.58	400	Residential RSL	34.8	17	17	0	6	--
Manganese	870	505	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.03	0.012	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	471	61.9	23000	Residential RSL	136	17	17	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2103A: 12350 E MIDNIGHT SKY DR (402-08-029P)										
Metals										
Aluminum	17100	17100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	127	16.6	194	Residential 10-4 risk	112	17	17	0	2	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.4	12.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	58.6	20.7	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	51800	33100	55000	Residential RSL	71900	17	17	0	0	--
Lead	79.3	7.58	140	Provisional RSL	N/A	17	17	0	8	--
Lead	79.3	7.58	400	Residential RSL	34.8	17	17	0	8	--
Manganese	990	538	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.4	0.4	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	360	58.8	23000	Residential RSL	136	17	17	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2103B: 12350 E MIDNIGHT SKY DR (402-08-029Q)										
Metals										
Aluminum	21100	20000	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	114	18.7	194	Residential 10-4 risk	112	21	21	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.3	11.6	23	Residential RSL	43.6	2	2	0	0	--
Copper	88.9	22.9	3100	Residential RSL	182	21	21	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	41700	30000	55000	Residential RSL	71900	17	17	0	0	--
Lead	81.8	8.77	140	Provisional RSL	N/A	21	20	0	5	--
Lead	81.8	8.77	400	Residential RSL	34.8	21	20	0	5	--
Manganese	838	543	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.12	0.11	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	388	65.2	23000	Residential RSL	136	21	21	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2105: 12485 E ORANGE ROCK RD (402-08-029L)										
Metals										
Aluminum	21700	19600	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	202	16.6	194	Residential 10-4 risk	112	26	26	1	6	--
Cadmium	--	--	70	Residential RSL	0.824	3	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.6	11.8	23	Residential RSL	43.6	3	3	0	0	--
Copper	701	20.7	3100	Residential RSL	182	26	26	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	48600	24700	55000	Residential RSL	71900	23	23	0	0	--
Lead	117	8.03	140	Provisional RSL	N/A	26	23	0	13	--
Lead	117	8.03	400	Residential RSL	34.8	26	23	0	13	--
Manganese	894	391	1800	Residential RSL	1600	23	23	0	0	--
Mercury	0.33	0.019	23	Residential RSL	0.0795	3	3	0	2	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	410	53.3	23000	Residential RSL	136	26	26	0	18	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2108: 12375 E ALPINE RIDGE RD (402-08-083H)										
Metals										
Aluminum	24000	19600	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	58.3	11.2	194	Residential 10-4 risk	112	17	14	0	0	--
Cadmium	0.16	0.1	70	Residential RSL	0.824	2	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.4	11.6	23	Residential RSL	43.6	2	2	0	0	--
Copper	32.1	22.7	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	74000	27600	55000	Residential RSL	71900	17	17	1	1	--
Lead	39.9	8	140	Provisional RSL	N/A	17	17	0	1	--
Lead	39.9	8	400	Residential RSL	34.8	17	17	0	1	--
Manganese	1080	507	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.014	0.011	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	174	41	23000	Residential RSL	136	17	17	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2109: 12385 E ALPINE RIDGE RD (402-08-083J)										
Metals										
Aluminum	19200	19200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	212	15.4	194	Residential 10-4 risk	112	17	16	1	2	--
Cadmium	0.62	0.62	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.6	10.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	46.5	20.1	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	42400	26000	55000	Residential RSL	71900	17	17	0	0	--
Lead	159	12.5	140	Provisional RSL	N/A	17	17	1	4	--
Lead	159	12.5	400	Residential RSL	34.8	17	17	0	4	--
Manganese	1040	510	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.33	0.33	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	377	41	23000	Residential RSL	136	17	17	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 211: 2557 S HILL ST (402-09-016G)										
Metals										
Aluminum	17800	8940	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.7	0.82	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	35.7	10.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3.2	0.88	70	Residential RSL	0.824	10	9	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12	8.3	23	Residential RSL	43.6	10	10	0	0	--
Copper	154	27.5	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.22	0.17	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	24300	16900	55000	Residential RSL	71900	10	10	0	0	--
Lead	253	12.4	140	Provisional RSL	N/A	10	10	1	6	--
Lead	253	12.4	400	Residential RSL	34.8	10	10	0	6	--
Manganese	813	386	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.11	0.012	23	Residential RSL	0.0795	10	10	0	6	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	592	54.8	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2110: ALPINE RIDGE RD (402-08-083A)										
Metals										
Aluminum	15800	15200	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	133	11.9	194	Residential 10-4 risk	112	17	15	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.7	11	23	Residential RSL	43.6	2	2	0	0	--
Copper	72.3	20.7	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	78700	29900	55000	Residential RSL	71900	17	17	2	1	--
Lead	65.5	8.17	140	Provisional RSL	N/A	17	17	0	5	--
Lead	65.5	8.17	400	Residential RSL	34.8	17	17	0	5	--
Manganese	1020	574	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.2	0.15	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	211	65.9	23000	Residential RSL	136	17	17	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2111A: 12525 E ORANGE ROCK RD (402-08-060L)										
Metals										
Aluminum	24400	18300	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	65	25.7	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.6	12.5	23	Residential RSL	43.6	2	2	0	0	--
Copper	33.3	22.7	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	47800	32000	55000	Residential RSL	71900	17	17	0	0	--
Lead	12.2	7.58	140	Provisional RSL	N/A	17	7	0	N/A	--
Lead	12.2	7.58	400	Residential RSL	34.8	17	7	0	0	--
Manganese	822	538	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.044	0.015	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	143	76.9	23000	Residential RSL	136	17	17	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2111B: 12589 E ORANGE ROCK RD (402-08-060N)										
Metals										
Aluminum	26300	18900	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	39.3	14.2	194	Residential 10-4 risk	112	18	17	0	0	--
Cadmium	0.23	0.23	70	Residential RSL	0.824	3	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.8	12.6	23	Residential RSL	43.6	3	3	0	0	--
Copper	34.3	23.4	3100	Residential RSL	182	18	18	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	52800	27200	55000	Residential RSL	71900	18	18	0	0	--
Lead	22.9	4.76	140	Provisional RSL	N/A	18	18	0	N/A	--
Lead	22.9	4.76	400	Residential RSL	34.8	18	18	0	0	--
Manganese	1050	518	1800	Residential RSL	1600	18	18	0	0	--
Mercury	0.039	0.015	23	Residential RSL	0.0795	3	3	0	0	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	131	50.6	23000	Residential RSL	136	18	18	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2112: 12505 E ORANGE ROCK RD (402-08-060Q)										
Metals										
Aluminum	24900	24100	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	83.9	16.6	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	0.25	0.24	70	Residential RSL	0.824	2	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.8	12.5	23	Residential RSL	43.6	2	2	0	0	--
Copper	39.5	24.4	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	40500	25000	55000	Residential RSL	71900	17	17	0	0	--
Lead	44.8	14.5	140	Provisional RSL	N/A	17	17	0	4	--
Lead	44.8	14.5	400	Residential RSL	34.8	17	17	0	4	--
Manganese	878	411	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.048	0.041	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	206	47.4	23000	Residential RSL	136	17	17	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2114: 12519 E ORANGE ROCK RD (402-08-060R)										
Metals										
Aluminum	19600	19600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	28	13.1	194	Residential 10-4 risk	112	20	20	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.4	9.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	39.2	22.4	3100	Residential RSL	182	20	20	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	47400	24400	55000	Residential RSL	71900	20	20	0	0	--
Lead	13.8	6.42	140	Provisional RSL	N/A	20	20	0	N/A	--
Lead	13.8	6.42	400	Residential RSL	34.8	20	20	0	0	--
Manganese	886	406	1800	Residential RSL	1600	20	20	0	0	--
Mercury	0.017	0.017	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	96.1	41.2	23000	Residential RSL	136	20	20	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2115: 12511 E ORANGE ROCK RD (402-08-060J)										
Metals										
Aluminum	20100	20100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	123	14.2	194	Residential 10-4 risk	112	17	17	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.9	13.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	67.6	28	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	41700	28900	55000	Residential RSL	71900	17	17	0	0	--
Lead	179	19.3	140	Provisional RSL	N/A	17	17	1	9	--
Lead	179	19.3	400	Residential RSL	34.8	17	17	0	9	--
Manganese	902	484	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.11	0.11	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	312	58.8	23000	Residential RSL	136	17	17	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2116: 12637 E ORANGE ROCK RD (402-08-028V)										
Metals										
Aluminum	18500	14800	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	104	22.3	194	Residential 10-4 risk	112	23	22	0	0	--
Cadmium	0.61	0.61	70	Residential RSL	0.824	3	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.4	11.7	23	Residential RSL	43.6	3	3	0	0	--
Copper	65.5	23.7	3100	Residential RSL	182	23	23	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	46000	24700	55000	Residential RSL	71900	23	23	0	0	--
Lead	66.4	9.38	140	Provisional RSL	N/A	23	23	0	14	--
Lead	66.4	9.38	400	Residential RSL	34.8	23	23	0	14	--
Manganese	986	489	1800	Residential RSL	1600	23	23	0	0	--
Mercury	0.32	0.11	23	Residential RSL	0.0795	3	3	0	3	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	243	42.1	23000	Residential RSL	136	23	23	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2117: 12691 E ORANGE ROCK RD (402-08-060)										
Metals										
Aluminum	21700	14600	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	91.6	14.2	194	Residential 10-4 risk	112	23	23	0	0	--
Cadmium	0.97	0.089	70	Residential RSL	0.824	2	2	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.5	11.7	23	Residential RSL	43.6	2	2	0	0	--
Copper	110	21.6	3100	Residential RSL	182	23	23	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	72400	29200	55000	Residential RSL	71900	23	23	1	1	--
Lead	65.5	8.3	140	Provisional RSL	N/A	23	23	0	13	--
Lead	65.5	8.3	400	Residential RSL	34.8	23	23	0	13	--
Manganese	3610	464	1800	Residential RSL	1600	23	23	1	1	--
Mercury	0.17	0.17	23	Residential RSL	0.0795	2	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	199	43.2	23000	Residential RSL	136	23	22	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2118: 12769 E ORANGE ROCK RD (402-08-060D)										
Metals										
Aluminum	18600	12600	77000	Residential RSL	35600	4	4	0	0	--
Antimony	1.4	1.2	31	Residential RSL	2.42	4	2	0	0	--
Arsenic	72.8	9.98	194	Residential 10-4 risk	112	29	27	0	0	--
Cadmium	1.4	0.55	70	Residential RSL	0.824	4	4	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.1	11.2	23	Residential RSL	43.6	4	4	0	0	--
Copper	112	22.4	3100	Residential RSL	182	29	29	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	48300	24700	55000	Residential RSL	71900	25	25	0	0	--
Lead	52.4	9.28	140	Provisional RSL	N/A	29	29	0	10	--
Lead	52.4	9.28	400	Residential RSL	34.8	29	29	0	10	--
Manganese	1190	558	1800	Residential RSL	1600	25	25	0	0	--
Mercury	0.14	0.096	23	Residential RSL	0.0795	2	2	0	2	--
Silver	2.5	2.3	390	Residential RSL	N/A	4	2	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	4	0	0	0	--
Zinc	173	42.1	23000	Residential RSL	136	29	29	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2119A: 2316 S STATE ROUTE 69 (402-08-028Z)										
Metals										
Aluminum	20700	14500	77000	Residential RSL	35600	3	3	0	0	--
Antimony	1.8	1.8	31	Residential RSL	2.42	3	1	0	0	--
Arsenic	94.9	15.4	194	Residential 10-4 risk	112	27	27	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	3	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.3	9.6	23	Residential RSL	43.6	3	3	0	0	--
Copper	101	22.9	3100	Residential RSL	182	27	27	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	41300	24000	55000	Residential RSL	71900	27	27	0	0	--
Lead	84.7	10.3	140	Provisional RSL	N/A	27	27	0	10	--
Lead	84.7	10.3	400	Residential RSL	34.8	27	27	0	10	--
Manganese	870	443	1800	Residential RSL	1600	27	27	0	0	--
Mercury	0.23	0.23	23	Residential RSL	0.0795	3	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	256	37.8	23000	Residential RSL	136	27	27	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2119B: 2316 S STATE ROUTE 69 (402-08-028Z)										
Metals										
Aluminum	21500	21500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	87.2	18.9	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.5	13.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	91.3	26.7	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	72000	31400	55000	Residential RSL	71900	17	17	5	1	--
Lead	53.2	8.17	140	Provisional RSL	N/A	17	17	0	8	--
Lead	53.2	8.17	400	Residential RSL	34.8	17	17	0	8	--
Manganese	982	550	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.13	0.13	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	263	88.5	23000	Residential RSL	136	17	17	0	14	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 212: 2578 S HURON ST (402-09-012C)										
Metals										
Aluminum	15600	12700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	16.1	9.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	10	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.8	8.5	23	Residential RSL	43.6	10	10	0	0	--
Copper	29.4	24.1	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.52	0.52	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	22400	18600	55000	Residential RSL	71900	10	10	0	0	--
Lead	28.2	8.4	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	28.2	8.4	400	Residential RSL	34.8	10	10	0	0	--
Manganese	683	494	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.023	0.017	23	Residential RSL	0.0795	10	5	0	0	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.45	0.24	0.78	Residential RSL	2.8	10	9	0	0	--
Zinc	719	43.1	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 213: 13190 E PRESCOTT ST (402-06-096)										
Metals										
Aluminum	14500	7790	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2.4	0.4	31	Residential RSL	2.42	10	8	0	0	--
Arsenic	66.4	19.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3	0.62	70	Residential RSL	0.824	10	7	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.8	7.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	199	59.1	3100	Residential RSL	182	10	10	0	1	--
Cyanide	0.69	0.17	21	Residential RSL	N/A	10	7	0	N/A	--
Iron	27000	14100	55000	Residential RSL	71900	10	10	0	0	--
Lead	343	48.4	140	Provisional RSL	N/A	10	10	6	10	--
Lead	343	48.4	400	Residential RSL	34.8	10	10	0	10	--
Manganese	1450	383	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.39	0.048	23	Residential RSL	0.0795	10	10	0	8	--
Silver	0.78	0.26	390	Residential RSL	N/A	10	6	0	N/A	--
Thallium	0.2	0.2	0.78	Residential RSL	2.8	10	1	0	0	--
Zinc	584	101	23000	Residential RSL	136	10	10	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 214A: 12767 E RICHARDS LN (402-08-045C)										
Metals										
Aluminum	15700	8670	77000	Residential RSL	35600	5	5	0	0	--
Antimony	0.82	0.33	31	Residential RSL	2.42	5	4	0	0	--
Arsenic	61.7	23.4	194	Residential 10-4 risk	112	14	14	0	0	--
Cadmium	1.6	0.81	70	Residential RSL	0.824	5	3	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.1	8.9	23	Residential RSL	43.6	5	5	0	0	--
Copper	97.7	24.8	3100	Residential RSL	182	14	14	0	0	--
Cyanide	0.21	0.17	21	Residential RSL	N/A	4	2	0	N/A	--
Iron	37000	16000	55000	Residential RSL	71900	14	14	0	0	--
Lead	261	12.5	140	Provisional RSL	N/A	14	14	2	11	--
Lead	261	12.5	400	Residential RSL	34.8	14	14	0	11	--
Manganese	1000	499	1800	Residential RSL	1600	14	14	0	0	--
Mercury	0.63	0.11	23	Residential RSL	0.0795	5	5	0	5	--
Silver	0.86	0.18	390	Residential RSL	N/A	5	4	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	5	0	0	0	--
Zinc	652	110	23000	Residential RSL	136	14	14	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 214B: S THIRD ST (402-08-045D)										
Metals										
Aluminum	19200	11800	77000	Residential RSL	35600	7	7	0	0	--
Antimony	0.76	0.49	31	Residential RSL	2.42	7	3	0	0	--
Arsenic	93.8	17	194	Residential 10-4 risk	112	14	14	0	0	--
Cadmium	2.9	0.59	70	Residential RSL	0.824	7	5	0	4	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.5	11.3	23	Residential RSL	43.6	7	7	0	0	--
Copper	104	22.7	3100	Residential RSL	182	14	14	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	6	0	0	N/A	--
Iron	31400	18100	55000	Residential RSL	71900	14	14	0	0	--
Lead	274	7	140	Provisional RSL	N/A	14	13	5	9	--
Lead	274	7	400	Residential RSL	34.8	14	13	0	9	--
Manganese	944	435	1800	Residential RSL	1600	14	14	0	0	--
Mercury	0.61	0.16	23	Residential RSL	0.0795	7	6	0	6	--
Silver	0.91	0.14	390	Residential RSL	N/A	7	6	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	7	0	0	0	--
Zinc	741	47.2	23000	Residential RSL	136	14	14	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 215A: 2918 S THIRD ST (402-10-051)										
Metals										
Aluminum	15800	9210	77000	Residential RSL	35600	2	2	0	0	--
Antimony	1.2	1.2	31	Residential RSL	2.42	2	1	0	0	--
Arsenic	59.5	14.2	194	Residential 10-4 risk	112	18	16	0	0	--
Cadmium	0.84	0.84	70	Residential RSL	0.824	2	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.9	9.7	23	Residential RSL	43.6	2	2	0	0	--
Copper	40.3	21.6	3100	Residential RSL	182	18	18	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	1	0	0	N/A	--
Iron	34500	16700	55000	Residential RSL	71900	18	18	0	0	--
Lead	113	8.77	140	Provisional RSL	N/A	18	18	0	9	--
Lead	113	8.77	400	Residential RSL	34.8	18	18	0	9	--
Manganese	1230	446	1800	Residential RSL	1600	18	18	0	0	--
Mercury	0.12	0.12	23	Residential RSL	0.0795	2	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	404	35.6	23000	Residential RSL	136	18	17	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 215B: 2940 S THIRD ST (402-10-052)										
Metals										
Aluminum	26000	15400	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	83.7	15.4	194	Residential 10-4 risk	112	19	19	0	0	--
Cadmium	3.1	2.9	70	Residential RSL	0.824	2	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.8	11	23	Residential RSL	43.6	2	2	0	0	--
Copper	76.9	24.4	3100	Residential RSL	182	19	19	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37600	21400	55000	Residential RSL	71900	17	17	0	0	--
Lead	402	12.5	140	Provisional RSL	N/A	19	19	7	13	--
Lead	402	12.5	400	Residential RSL	34.8	19	19	1	13	--
Manganese	1210	501	1800	Residential RSL	1600	17	17	0	0	--
Mercury	1.1	0.73	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	1120	37.8	23000	Residential RSL	136	19	18	0	15	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 215C: 2940 S THIRD ST (402-10-052)										
Metals										
Aluminum	13100	6830	77000	Residential RSL	35600	10	10	0	0	--
Antimony	13.4	0.97	31	Residential RSL	2.42	10	6	0	2	--
Arsenic	991	14.2	194	Residential 10-4 risk	112	47	47	17	27	--
Cadmium	4.2	0.76	70	Residential RSL	0.824	10	9	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.7	6.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	87.5	20.1	3100	Residential RSL	182	47	47	0	0	--
Cyanide	0.17	0.17	21	Residential RSL	N/A	7	1	0	N/A	--
Iron	61800	13500	55000	Residential RSL	71900	35	35	3	0	--
Lead	3080	14.5	140	Provisional RSL	N/A	47	47	23	34	--
Lead	3080	14.5	400	Residential RSL	34.8	47	47	9	34	--
Manganese	846	306	1800	Residential RSL	1600	35	35	0	0	--
Mercury	4.1	0.11	23	Residential RSL	0.0795	8	7	0	7	--
Silver	8	2.8	390	Residential RSL	N/A	10	3	0	N/A	--
Thallium	0.79	0.065	0.78	Residential RSL	2.8	10	7	1	0	--
Zinc	914	35.6	23000	Residential RSL	136	47	47	0	35	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 216: 2690 S BUTTE ST (402-06-053A)										
Metals										
Aluminum	13700	9390	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.6	0.89	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	31.9	11	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.3	0.9	70	Residential RSL	0.824	10	9	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.2	8.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	76.4	35.4	3100	Residential RSL	182	10	10	0	0	--
Cyanide	1.1	1.1	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	22800	18200	55000	Residential RSL	71900	10	10	0	0	--
Lead	39	15.3	140	Provisional RSL	N/A	10	10	0	1	--
Lead	39	15.3	400	Residential RSL	34.8	10	10	0	1	--
Manganese	757	487	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.53	0.092	23	Residential RSL	0.0795	10	2	0	2	--
Silver	0.63	0.51	390	Residential RSL	N/A	10	2	0	N/A	--
Thallium	0.33	0.33	0.78	Residential RSL	2.8	10	1	0	0	--
Zinc	305	55.6	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 217: 13070 E PHOENIX ST (402-06-051A)										
Metals										
Aluminum	14000	7650	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.3	0.53	31	Residential RSL	2.42	10	2	0	0	--
Arsenic	22.8	13.5	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.4	0.69	70	Residential RSL	0.824	10	9	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.1	6.2	23	Residential RSL	43.6	10	10	0	0	--
Copper	187	29.3	3100	Residential RSL	182	10	10	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	24600	12700	55000	Residential RSL	71900	10	10	0	0	--
Lead	35.3	12.7	140	Provisional RSL	N/A	10	10	0	1	--
Lead	35.3	12.7	400	Residential RSL	34.8	10	10	0	1	--
Manganese	887	421	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.056	0.056	23	Residential RSL	0.0795	10	1	0	0	--
Silver	0.21	0.21	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	0.32	0.039	0.78	Residential RSL	2.8	10	6	0	0	--
Zinc	148	67.8	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 218: 2595 S HILL ST (402-09-016F)										
Metals										
Aluminum	13000	9340	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.4	0.49	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	69.6	8.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.6	0.61	70	Residential RSL	0.824	10	9	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.2	8.3	23	Residential RSL	43.6	10	10	0	0	--
Copper	133	23.5	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	20800	15700	55000	Residential RSL	71900	10	10	0	0	--
Lead	202	6.9	140	Provisional RSL	N/A	10	10	1	5	--
Lead	202	6.9	400	Residential RSL	34.8	10	10	0	5	--
Manganese	709	511	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.32	0.018	23	Residential RSL	0.0795	10	10	0	4	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.25	0.063	0.78	Residential RSL	2.8	10	6	0	0	--
Zinc	239	40.9	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 219: 2625 S HILL ST (402-09-006A)										
Metals										
Aluminum	12500	7980	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.3	0.57	31	Residential RSL	2.42	10	10	0	0	--
Arsenic	26.5	6.7	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.1	0.76	70	Residential RSL	0.824	10	8	0	6	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.9	7.5	23	Residential RSL	43.6	10	10	0	0	--
Copper	60.1	16.6	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	21800	15300	55000	Residential RSL	71900	10	10	0	0	--
Lead	28.5	7.3	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	28.5	7.3	400	Residential RSL	34.8	10	10	0	0	--
Manganese	675	458	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.099	0.016	23	Residential RSL	0.0795	10	10	0	1	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.45	0.041	0.78	Residential RSL	2.8	10	8	0	0	--
Zinc	173	36.4	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 220: 2635 S HILL ST (402-09-006C), 2645 S HILL ST (402-09-006D)										
Metals										
Aluminum	12300	9500	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.59	0.38	31	Residential RSL	2.42	10	5	0	0	--
Arsenic	37	14.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.63	0.52	70	Residential RSL	0.824	10	3	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.3	7.7	23	Residential RSL	43.6	10	10	0	0	--
Copper	77.1	30.9	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	23500	15700	55000	Residential RSL	71900	10	10	0	0	--
Lead	48	17.1	140	Provisional RSL	N/A	10	10	0	3	--
Lead	48	17.1	400	Residential RSL	34.8	10	10	0	3	--
Manganese	672	482	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.13	0.025	23	Residential RSL	0.0795	10	10	0	4	--
Silver	0.29	0.089	390	Residential RSL	N/A	10	9	0	N/A	--
Thallium	0.34	0.34	0.78	Residential RSL	2.8	10	1	0	0	--
Zinc	190	63.8	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2201: 2460 S STATE ROUTE 69 (402-08-029J)										
Metals										
Aluminum	21000	21000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	86.1	28	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.24	0.24	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.6	15.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	43	22.1	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	48500	32400	55000	Residential RSL	71900	11	11	0	0	--
Lead	75.5	8.17	140	Provisional RSL	N/A	11	11	0	2	--
Lead	75.5	8.17	400	Residential RSL	34.8	11	11	0	2	--
Manganese	878	633	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	311	87.5	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2202: 2490 S STATE ROUTE 69 (402-08-029C)										
Metals										
Aluminum	25800	10200	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	38.2	10.9	194	Residential 10-4 risk	112	12	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.9	8.1	23	Residential RSL	43.6	2	2	0	0	--
Copper	40.3	19.7	3100	Residential RSL	182	12	12	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	57100	17400	55000	Residential RSL	71900	12	12	1	0	--
Lead	21.4	5.86	140	Provisional RSL	N/A	12	12	0	N/A	--
Lead	21.4	5.86	400	Residential RSL	34.8	12	12	0	0	--
Manganese	974	289	1800	Residential RSL	1600	12	12	0	0	--
Mercury	0.029	0.011	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	153	54	23000	Residential RSL	136	12	12	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2203: 2520 S STATE ROUTE 69 (402-08-041Z)										
Metals										
Aluminum	13500	13500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	49.8	23.4	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.7	10.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	28.8	24.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	48600	29000	55000	Residential RSL	71900	11	11	0	0	--
Lead	20	10	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	20	10	400	Residential RSL	34.8	11	11	0	0	--
Manganese	870	441	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.039	0.039	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	155	80.8	23000	Residential RSL	136	11	11	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2204: 2514 S STATE ROUTE 69 (402-08-041Y)										
Metals										
Aluminum	22800	21100	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	28	14.3	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	0.24	0.24	70	Residential RSL	0.824	2	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.6	13.3	23	Residential RSL	43.6	2	2	0	0	--
Copper	39.6	19.4	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39000	27800	55000	Residential RSL	71900	17	17	0	0	--
Lead	16.8	6.3	140	Provisional RSL	N/A	17	10	0	N/A	--
Lead	16.8	6.3	400	Residential RSL	34.8	17	10	0	0	--
Manganese	1090	447	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.048	0.048	23	Residential RSL	0.0795	2	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	185	58.9	23000	Residential RSL	136	17	17	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2205: 2569 S COLINA LN (402-08-014D)										
Metals										
Aluminum	19200	19200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	109	14.2	194	Residential 10-4 risk	112	12	12	0	0	--
Cadmium	0.48	0.48	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.7	13.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	42.8	25	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	48300	28500	55000	Residential RSL	71900	11	11	0	0	--
Lead	73.6	14	140	Provisional RSL	N/A	12	12	0	5	--
Lead	73.6	14	400	Residential RSL	34.8	12	12	0	5	--
Manganese	902	500	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.11	0.11	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	338	45.3	23000	Residential RSL	136	11	11	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2209: 2680 S PARKER ST (402-08-019L)										
Metals										
Aluminum	22400	22400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	44.9	13.1	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.16	0.16	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.8	13.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	31.9	22.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37900	26100	55000	Residential RSL	71900	11	11	0	0	--
Lead	32.7	11	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	32.7	11	400	Residential RSL	34.8	11	11	0	0	--
Manganese	757	550	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.029	0.029	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	215	55.8	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 221: 13475 E PRESCOTT ST (402-06-028K)										
Metals										
Aluminum	40400	14800	77000	Residential RSL	35600	11	11	0	1	--
Antimony	2.3	1.2	31	Residential RSL	2.42	11	8	0	0	--
Arsenic	191	14.2	194	Residential 10-4 risk	112	40	40	0	8	--
Cadmium	6.6	1.2	70	Residential RSL	0.824	11	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	31.9	12.4	23	Residential RSL	43.6	11	11	2	0	--
Copper	1080	21.6	3100	Residential RSL	182	40	39	0	9	--
Cyanide	0.23	0.16	21	Residential RSL	N/A	8	3	0	N/A	--
Iron	51600	20400	55000	Residential RSL	71900	40	40	0	0	--
Lead	265	7	140	Provisional RSL	N/A	40	37	10	29	--
Lead	265	7	400	Residential RSL	34.8	40	37	0	29	--
Manganese	3040	553	1800	Residential RSL	1600	40	40	3	4	--
Mercury	0.49	0.13	23	Residential RSL	0.0795	11	9	0	9	--
Silver	2.2	1.1	390	Residential RSL	N/A	11	4	0	N/A	--
Thallium	0.1	0.1	0.78	Residential RSL	2.8	11	1	0	0	--
Zinc	541	53	23000	Residential RSL	136	40	40	0	29	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2211: 12550 E YAVAPAI ST (402-08-019S)										
Metals										
Aluminum	22200	22200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	137	21.1	194	Residential 10-4 risk	112	12	12	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.9	11.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	31.5	26.3	3100	Residential RSL	182	12	12	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	40700	29300	55000	Residential RSL	71900	12	12	0	0	--
Lead	78.2	13.2	140	Provisional RSL	N/A	12	12	0	3	--
Lead	78.2	13.2	400	Residential RSL	34.8	12	12	0	3	--
Manganese	910	607	1800	Residential RSL	1600	12	12	0	0	--
Mercury	0.042	0.042	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	332	58.8	23000	Residential RSL	136	12	12	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2214: 12541 E CORLEY ST (402-08-024A)										
Metals										
Aluminum	20600	20600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	285	28	194	Residential 10-4 risk	112	14	14	2	6	--
Cadmium	2.2	2.2	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.6	15.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	70.7	26.7	3100	Residential RSL	182	14	14	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	54600	35700	55000	Residential RSL	71900	14	14	0	0	--
Lead	281	25.1	140	Provisional RSL	N/A	14	14	2	13	--
Lead	281	25.1	400	Residential RSL	34.8	14	14	0	13	--
Manganese	1120	596	1800	Residential RSL	1600	14	14	0	0	--
Mercury	1.3	1.3	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	810	96.1	23000	Residential RSL	136	14	14	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2215: 12541 E CORLEY ST (402-08-025B)										
Metals										
Aluminum	19900	19700	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	832	15.4	194	Residential 10-4 risk	112	11	11	1	1	--
Cadmium	0.47	0.27	70	Residential RSL	0.824	2	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.7	12.8	23	Residential RSL	43.6	2	2	0	0	--
Copper	41.8	24.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	56500	27500	55000	Residential RSL	71900	11	11	1	0	--
Lead	96.2	11.9	140	Provisional RSL	N/A	11	11	0	7	--
Lead	96.2	11.9	400	Residential RSL	34.8	11	11	0	7	--
Manganese	894	470	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.15	0.1	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	1080	42.1	23000	Residential RSL	136	11	11	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2216: 2734 S COLINA LN (402-08-026B)										
Metals										
Aluminum	19700	19700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	167	17.7	194	Residential 10-4 risk	112	11	11	0	3	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.1	12.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	73.1	22.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	49800	31000	55000	Residential RSL	71900	11	11	0	0	--
Lead	387	8.77	140	Provisional RSL	N/A	11	11	2	5	--
Lead	387	8.77	400	Residential RSL	34.8	11	11	0	5	--
Manganese	780	601	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.031	0.031	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	698	69.7	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 222: 2820 S HECLA ST (402-10-005A)										
Metals										
Aluminum	17200	12700	77000	Residential RSL	35600	11	11	0	0	--
Antimony	0.92	0.45	31	Residential RSL	2.42	11	5	0	0	--
Arsenic	216	15.4	194	Residential 10-4 risk	112	25	25	1	3	--
Cadmium	4	0.94	70	Residential RSL	0.824	11	8	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.4	9.5	23	Residential RSL	43.6	11	11	0	0	--
Copper	825	21.3	3100	Residential RSL	182	25	25	0	8	--
Cyanide	0.78	0.27	21	Residential RSL	N/A	10	10	0	N/A	--
Iron	42400	18600	55000	Residential RSL	71900	25	25	0	0	--
Lead	9150	8.77	140	Provisional RSL	N/A	25	24	13	22	--
Lead	9150	8.77	400	Residential RSL	34.8	25	24	3	22	--
Manganese	740	458	1800	Residential RSL	1600	25	25	0	0	--
Mercury	2.2	0.062	23	Residential RSL	0.0795	11	11	0	10	--
Silver	6.2	0.48	390	Residential RSL	N/A	11	6	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	11	0	0	0	--
Zinc	1020	64.9	23000	Residential RSL	136	25	25	0	19	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 223: 12743 E RICHARDS LN (402-10-070E)										
Metals										
Aluminum	15200	5700	77000	Residential RSL	35600	11	11	0	0	--
Antimony	2.4	0.47	31	Residential RSL	2.42	11	10	0	0	--
Arsenic	579	28.2	194	Residential 10-4 risk	112	19	19	1	5	--
Cadmium	4.5	0.85	70	Residential RSL	0.824	11	11	0	11	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.1	6.1	23	Residential RSL	43.6	11	10	0	0	--
Copper	92.5	24.6	3100	Residential RSL	182	19	19	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	37900	11700	55000	Residential RSL	71900	19	19	0	0	--
Lead	456	21.4	140	Provisional RSL	N/A	19	19	9	18	--
Lead	456	21.4	400	Residential RSL	34.8	19	19	1	18	--
Manganese	790	298	1800	Residential RSL	1600	19	19	0	0	--
Mercury	2	0.15	23	Residential RSL	0.0795	11	11	0	11	--
Silver	2.4	0.37	390	Residential RSL	N/A	11	10	0	N/A	--
Thallium	0.26	0.26	0.78	Residential RSL	2.8	11	1	0	0	--
Zinc	1310	109	23000	Residential RSL	136	19	19	0	18	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 224: 12770 E RICHARDS LN (402-10-064D)										
Metals										
Aluminum	19400	5880	77000	Residential RSL	35600	12	12	0	0	--
Antimony	0.41	0.41	31	Residential RSL	2.42	12	1	0	0	--
Arsenic	86.5	12.9	194	Residential 10-4 risk	112	21	21	0	0	--
Cadmium	2.5	0.89	70	Residential RSL	0.824	12	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.4	6.7	23	Residential RSL	43.6	12	12	0	0	--
Copper	83.9	22.5	3100	Residential RSL	182	21	21	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	11	0	0	N/A	--
Iron	42500	13300	55000	Residential RSL	71900	21	21	0	0	--
Lead	185	13.8	140	Provisional RSL	N/A	21	21	2	15	--
Lead	185	13.8	400	Residential RSL	34.8	21	21	0	15	--
Manganese	769	456	1800	Residential RSL	1600	21	21	0	0	--
Mercury	0.85	0.055	23	Residential RSL	0.0795	12	12	0	10	--
Silver	0.95	0.072	390	Residential RSL	N/A	12	10	0	N/A	--
Thallium	0.33	0.049	0.78	Residential RSL	2.8	12	5	0	0	--
Zinc	568	87.5	23000	Residential RSL	136	21	21	0	16	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 225A: 12752 E RICHARDS LN (402-10-064F), 12772 E RICHARDS LN (402-10-060A)										
Metals										
Aluminum	12600	7070	77000	Residential RSL	35600	7	7	0	0	--
Antimony	1.4	1.4	31	Residential RSL	2.42	7	1	0	0	--
Arsenic	181	21.9	194	Residential 10-4 risk	112	25	25	0	6	--
Cadmium	4.6	1.2	70	Residential RSL	0.824	7	5	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.8	6.1	23	Residential RSL	43.6	7	7	0	0	--
Copper	66.1	22.9	3100	Residential RSL	182	25	25	0	0	--
Cyanide	0.26	0.17	21	Residential RSL	N/A	6	2	0	N/A	--
Iron	48900	18100	55000	Residential RSL	71900	23	23	0	0	--
Lead	351	17.3	140	Provisional RSL	N/A	25	25	6	21	--
Lead	351	17.3	400	Residential RSL	34.8	25	25	0	21	--
Manganese	769	362	1800	Residential RSL	1600	23	23	0	0	--
Mercury	1.1	0.087	23	Residential RSL	0.0795	7	7	0	7	--
Silver	1.1	0.1	390	Residential RSL	N/A	7	5	0	N/A	--
Thallium	0.3	0.04	0.78	Residential RSL	2.8	7	4	0	0	--
Zinc	917	76.9	23000	Residential RSL	136	25	25	0	24	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 225C: 12786 E RICHARDS LN (402-10-058)										
Metals										
Aluminum	11900	8740	77000	Residential RSL	35600	4	4	0	0	--
Antimony	3.4	3.4	31	Residential RSL	2.42	4	1	0	1	--
Arsenic	342	38.8	194	Residential 10-4 risk	112	18	18	2	12	--
Cadmium	3.2	2.5	70	Residential RSL	0.824	4	3	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13	9.9	23	Residential RSL	43.6	4	4	0	0	--
Copper	80.6	26.1	3100	Residential RSL	182	18	18	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	2	0	0	N/A	--
Iron	52600	23100	55000	Residential RSL	71900	14	14	0	0	--
Lead	586	65.3	140	Provisional RSL	N/A	18	18	8	18	--
Lead	586	65.3	400	Residential RSL	34.8	18	18	1	18	--
Manganese	910	486	1800	Residential RSL	1600	14	14	0	0	--
Mercury	1.7	0.21	23	Residential RSL	0.0795	3	3	0	3	--
Silver	3.5	1	390	Residential RSL	N/A	4	3	0	N/A	--
Thallium	0.22	0.22	0.78	Residential RSL	2.8	4	1	0	0	--
Zinc	792	184	23000	Residential RSL	136	18	18	0	18	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 226: 12798 E RICHARDS LN (402-10-055C), 12818 E RICHARDS LN (402-10-055A)										
Metals										
Aluminum	13900	8420	77000	Residential RSL	35600	11	11	0	0	--
Antimony	4.8	0.59	31	Residential RSL	2.42	11	10	0	3	--
Arsenic	618	17.7	194	Residential 10-4 risk	112	29	29	9	13	--
Cadmium	4.8	1.1	70	Residential RSL	0.824	11	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.3	7.4	23	Residential RSL	43.6	11	11	0	0	--
Copper	496	20.7	3100	Residential RSL	182	29	29	0	1	--
Cyanide	0.49	0.26	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	44600	19800	55000	Residential RSL	71900	25	25	0	0	--
Lead	904	11.9	140	Provisional RSL	N/A	29	29	14	21	--
Lead	904	11.9	400	Residential RSL	34.8	29	29	5	21	--
Manganese	773	336	1800	Residential RSL	1600	25	25	0	0	--
Mercury	3.9	0.2	23	Residential RSL	0.0795	11	11	0	11	--
Silver	5.2	0.35	390	Residential RSL	N/A	11	10	0	N/A	--
Thallium	0.47	0.47	0.78	Residential RSL	2.8	11	1	0	0	--
Zinc	1250	41	23000	Residential RSL	136	29	27	0	20	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 227 and 70J: 2660 S JONES ST (402-07-052M), 2670 S JONES ST (402-07-061B)										
Metals										
Aluminum	16900	10100	77000	Residential RSL	35600	10	10	0	0	--
Antimony	4	0.25	31	Residential RSL	2.42	10	10	0	1	--
Arsenic	667	29.7	194	Residential 10-4 risk	112	41	29	5	7	--
Cadmium	4.5	0.6	70	Residential RSL	0.824	10	10	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.3	9.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	242	76.4	3100	Residential RSL	182	10	10	0	8	--
Cyanide	0.85	0.18	21	Residential RSL	N/A	10	7	0	N/A	--
Iron	41500	18600	55000	Residential RSL	71900	10	10	0	0	--
Lead	1270	31.9	140	Provisional RSL	N/A	41	39	10	38	--
Lead	1270	31.9	400	Residential RSL	34.8	41	39	4	38	--
Manganese	1610	721	1800	Residential RSL	1600	10	10	0	1	--
Mercury	2	0.16	23	Residential RSL	0.0795	10	7	0	7	--
Silver	2.3	0.3	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	0.44	0.44	0.78	Residential RSL	2.8	10	1	0	0	--
Zinc	1490	126	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 228 and 55J: 2655 S JONES ST (402-07-062B)										
Metals										
Aluminum	13900	7490	77000	Residential RSL	35600	11	11	0	0	--
Antimony	1.7	0.34	31	Residential RSL	2.42	11	5	0	0	--
Arsenic	134	6.3	194	Residential 10-4 risk	112	28	13	0	1	--
Cadmium	2.3	0.56	70	Residential RSL	0.824	11	9	0	6	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15	7.8	23	Residential RSL	43.6	11	11	0	0	--
Copper	275	39.9	3100	Residential RSL	182	11	11	0	3	--
Cyanide	2.5	0.18	21	Residential RSL	N/A	10	6	0	N/A	--
Iron	30900	13700	55000	Residential RSL	71900	11	11	0	0	--
Lead	430	15.6	140	Provisional RSL	N/A	28	26	1	23	--
Lead	430	15.6	400	Residential RSL	34.8	28	26	1	23	--
Manganese	907	445	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.22	0.027	23	Residential RSL	0.0795	11	8	0	7	--
Silver	3.3	0.22	390	Residential RSL	N/A	11	2	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	11	0	0	0	--
Zinc	363	52.6	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 229 and 36W: 13336 E WELLS ST (402-07-041)										
Metals										
Aluminum	24500	7460	77000	Residential RSL	35600	26	26	0	0	--
Antimony	48.6	0.94	31	Residential RSL	2.42	26	19	2	15	--
Arsenic	905	13.8	194	Residential 10-4 risk	112	55	30	12	13	--
Cadmium	21.2	0.62	70	Residential RSL	0.824	26	26	0	24	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16	5.7	23	Residential RSL	43.6	26	26	0	0	--
Copper	297	28.6	3100	Residential RSL	182	26	26	0	12	--
Cyanide	1	0.17	21	Residential RSL	N/A	10	8	0	N/A	--
Iron	48800	14000	55000	Residential RSL	71900	26	26	0	0	--
Lead	3330	25.4	140	Provisional RSL	N/A	55	39	27	36	--
Lead	3330	25.4	400	Residential RSL	34.8	55	39	14	36	--
Manganese	1660	306	1800	Residential RSL	1600	26	26	0	1	--
Mercury	9.5	0.072	23	Residential RSL	0.0795	26	26	0	24	--
Silver	24.7	0.4	390	Residential RSL	N/A	26	26	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	26	0	0	0	--
Zinc	6000	86.3	23000	Residential RSL	136	26	26	0	24	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 230: 2745 S CALUMET ST (402-06-082)										
Metals										
Aluminum	22000	8140	77000	Residential RSL	35600	9	9	0	0	--
Antimony	--	--	31	Residential RSL	2.42	9	0	0	0	--
Arsenic	98.2	11.9	194	Residential 10-4 risk	112	19	19	0	0	--
Cadmium	1	0.51	70	Residential RSL	0.824	9	6	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.4	7.2	23	Residential RSL	43.6	9	9	0	0	--
Copper	76	24.8	3100	Residential RSL	182	19	19	0	0	--
Cyanide	0.61	0.27	21	Residential RSL	N/A	8	6	0	N/A	--
Iron	52100	13800	55000	Residential RSL	71900	19	19	0	0	--
Lead	94.2	12.8	140	Provisional RSL	N/A	19	19	0	16	--
Lead	94.2	12.8	400	Residential RSL	34.8	19	19	0	16	--
Manganese	1290	395	1800	Residential RSL	1600	19	19	0	0	--
Mercury	0.28	0.061	23	Residential RSL	0.0795	9	5	0	4	--
Silver	0.45	0.45	390	Residential RSL	N/A	9	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	9	0	0	0	--
Zinc	378	66.9	23000	Residential RSL	136	19	19	0	17	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2304: 2560 S HILL ST (402-09-017L)										
Metals										
Aluminum	16600	16600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	41.6	11.6	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	7.9	7.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	30.1	23.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	49000	22400	55000	Residential RSL	71900	11	11	0	0	--
Lead	44.8	8.77	140	Provisional RSL	N/A	11	11	0	1	--
Lead	44.8	8.77	400	Residential RSL	34.8	11	11	0	1	--
Manganese	821	478	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.027	0.027	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	222	64.6	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2305: 2570 S HILL ST (402-09-017K)										
Metals										
Aluminum	19600	19600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	46	13.1	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	0.18	0.18	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.9	10.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	36.3	24.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34800	24700	55000	Residential RSL	71900	11	11	0	0	--
Lead	51.5	13.7	140	Provisional RSL	N/A	11	11	0	1	--
Lead	51.5	13.7	400	Residential RSL	34.8	11	11	0	1	--
Manganese	677	438	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.039	0.039	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	142	46.4	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2307: 2590 S HILL ST (402-09-017H)										
Metals										
Aluminum	16400	16400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	26.9	13	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.2	10.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	28.1	21.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34100	23000	55000	Residential RSL	71900	11	11	0	0	--
Lead	10.6	7	140	Provisional RSL	N/A	11	8	0	N/A	--
Lead	10.6	7	400	Residential RSL	34.8	11	8	0	0	--
Manganese	642	429	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	112	55.5	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2308: 2584 S HILL ST (402-09-017G)										
Metals										
Aluminum	24300	24300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	58.3	14.2	194	Residential 10-4 risk	112	11	9	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	31.5	31.5	23	Residential RSL	43.6	1	1	1	0	--
Copper	93.5	23.2	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	52800	28100	55000	Residential RSL	71900	11	11	0	0	--
Lead	25.1	4.5	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	25.1	4.5	400	Residential RSL	34.8	11	11	0	0	--
Manganese	1130	501	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.023	0.023	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	81.7	46.4	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 231: 2778 S HECLA ST (402-10-002C)										
Metals										
Aluminum	13100	9310	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	30.2	16	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.3	1.1	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.4	8.7	23	Residential RSL	43.6	10	10	0	0	--
Copper	186	47.6	3100	Residential RSL	182	10	10	0	1	--
Cyanide	0.49	0.49	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	21600	15700	55000	Residential RSL	71900	10	10	0	0	--
Lead	150	28.6	140	Provisional RSL	N/A	10	10	1	9	--
Lead	150	28.6	400	Residential RSL	34.8	10	10	0	9	--
Manganese	680	523	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.18	0.059	23	Residential RSL	0.0795	10	9	0	7	--
Silver	0.63	0.11	390	Residential RSL	N/A	10	6	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	322	96.2	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2310: 2620 S HILL ST (402-09-009E)										
Metals										
Aluminum	21900	17100	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	21.1	12.1	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.5	11	23	Residential RSL	43.6	2	2	0	0	--
Copper	30.3	22.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	41800	24400	55000	Residential RSL	71900	11	11	0	0	--
Lead	14.5	9.2	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	14.5	9.2	400	Residential RSL	34.8	11	11	0	0	--
Manganese	671	510	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.037	0.015	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	133	58.3	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2311: 2685 S HILL ST (402-09-008)										
Metals										
Aluminum	17200	17200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	40.4	15.4	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.3	11.3	23	Residential RSL	43.6	1	1	0	0	--
Copper	35.1	25.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39500	24400	55000	Residential RSL	71900	11	11	0	0	--
Lead	37.5	15.2	140	Provisional RSL	N/A	11	11	0	1	--
Lead	37.5	15.2	400	Residential RSL	34.8	11	11	0	1	--
Manganese	910	482	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.076	0.076	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	136	67.9	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2312: 2650 S DUNHAM DR (402-09-005C)										
Metals										
Aluminum	20200	20200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	56.1	16.1	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.8	10.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	45.6	24.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	88300	25700	55000	Residential RSL	71900	11	11	1	1	--
Lead	25.8	12.9	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	25.8	12.9	400	Residential RSL	34.8	11	11	0	0	--
Manganese	2420	473	1800	Residential RSL	1600	11	11	1	1	--
Mercury	0.032	0.032	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	136	45.3	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2313: 2680 S DUNHAM DR (402-09-005B)										
Metals										
Aluminum	20600	20600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	48.3	15.4	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.4	10.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	55.6	26.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	76300	25700	55000	Residential RSL	71900	11	11	1	1	--
Lead	55.8	12.5	140	Provisional RSL	N/A	11	11	0	1	--
Lead	55.8	12.5	400	Residential RSL	34.8	11	11	0	1	--
Manganese	1630	429	1800	Residential RSL	1600	11	11	0	1	--
Mercury	0.06	0.06	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	190	37.8	23000	Residential RSL	136	11	11	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2314: 12825 E HUMBOLDT ST (402-09-005A)										
Metals										
Aluminum	18900	18900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	125	14.2	194	Residential 10-4 risk	112	11	10	0	1	--
Cadmium	0.16	0.16	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.7	8.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	37.8	25.5	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	82800	24400	55000	Residential RSL	71900	11	11	1	1	--
Lead	36.7	15.6	140	Provisional RSL	N/A	11	11	0	1	--
Lead	36.7	15.6	400	Residential RSL	34.8	11	11	0	1	--
Manganese	5050	496	1800	Residential RSL	1600	11	11	1	1	--
Mercury	0.028	0.028	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	147	44.2	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2315: 12824 E HUMBOLDT ST (402-09-010A)										
Metals										
Aluminum	21400	19800	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	39.3	14.2	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.9	11	23	Residential RSL	43.6	2	2	0	0	--
Copper	44.8	27.1	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	69800	25100	55000	Residential RSL	71900	11	11	2	0	--
Lead	28.9	10.2	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	28.9	10.2	400	Residential RSL	34.8	11	11	0	0	--
Manganese	1190	465	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.032	0.032	23	Residential RSL	0.0795	2	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	218	50.6	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2316: 2610 S HURON ST (402-09-012A)										
Metals										
Aluminum	18500	18500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	34.8	10.7	194	Residential 10-4 risk	112	11	9	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.9	8.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	42.8	24.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	64200	23600	55000	Residential RSL	71900	11	11	2	0	--
Lead	26.6	11.2	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	26.6	11.2	400	Residential RSL	34.8	11	11	0	0	--
Manganese	1190	426	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.019	0.019	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	108	57.8	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2317: 2586 S HURON ST (402-09-012B)										
Metals										
Aluminum	16000	16000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	25.7	14.2	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.9	9.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	36	21.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34600	22800	55000	Residential RSL	71900	11	11	0	0	--
Lead	16	7	140	Provisional RSL	N/A	11	9	0	N/A	--
Lead	16	7	400	Residential RSL	34.8	11	9	0	0	--
Manganese	654	441	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.04	0.04	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	139	68.9	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2318: 2545 S HILL ST (402-09-016C)										
Metals										
Aluminum	19300	19300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	0.36	0.36	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	28	15.4	194	Residential 10-4 risk	112	11	9	0	0	--
Cadmium	0.23	0.23	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.9	10.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	32.9	23.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35300	21100	55000	Residential RSL	71900	11	11	0	0	--
Lead	47.3	9.38	140	Provisional RSL	N/A	11	11	0	3	--
Lead	47.3	9.38	400	Residential RSL	34.8	11	11	0	3	--
Manganese	713	367	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.033	0.033	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	176	43.2	23000	Residential RSL	136	11	11	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2319A: 2535 S HILL ST (402-09-016A), 2551 S HILL ST (402-09-016B)										
Metals										
Aluminum	24200	19400	77000	Residential RSL	35600	2	2	0	0	--
Antimony	0.66	0.55	31	Residential RSL	2.42	2	2	0	0	--
Arsenic	144	17.7	194	Residential 10-4 risk	112	11	11	0	1	--
Cadmium	0.53	0.17	70	Residential RSL	0.824	2	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	32.4	14.1	23	Residential RSL	43.6	2	2	1	0	--
Copper	111	23.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	57900	26000	55000	Residential RSL	71900	11	11	1	0	--
Lead	45.8	8.77	140	Provisional RSL	N/A	11	10	0	1	--
Lead	45.8	8.77	400	Residential RSL	34.8	11	10	0	1	--
Manganese	942	455	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.16	0.031	23	Residential RSL	0.0795	2	2	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	239	80	23000	Residential RSL	136	11	11	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 232: 12908 E MAIN ST (402-10-008A)										
Metals										
Aluminum	14000	10200	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	28.1	8.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.2	0.4	70	Residential RSL	0.824	10	10	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.2	8.9	23	Residential RSL	43.6	10	10	0	0	--
Copper	1640	26.4	3100	Residential RSL	182	10	10	0	2	--
Cyanide	0.25	0.25	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	19800	13900	55000	Residential RSL	71900	10	10	0	0	--
Lead	7310	18.1	140	Provisional RSL	N/A	10	10	1	7	--
Lead	7310	18.1	400	Residential RSL	34.8	10	10	1	7	--
Manganese	668	320	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.4	0.06	23	Residential RSL	0.0795	10	10	0	8	--
Silver	1.3	1.3	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	252	78.2	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2322: 2525 S HILL ST (402-09-014)										
Metals										
Aluminum	18100	18100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	39.3	16.6	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	23.4	23.4	23	Residential RSL	43.6	1	1	1	0	--
Copper	49.5	19.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35700	23000	55000	Residential RSL	71900	11	11	0	0	--
Lead	86.4	7	140	Provisional RSL	N/A	11	11	0	3	--
Lead	86.4	7	400	Residential RSL	34.8	11	11	0	3	--
Manganese	2950	507	1800	Residential RSL	1600	11	11	1	1	--
Mercury	0.093	0.093	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	239	79.8	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2323: 2540 S HURON ST (402-09-026B)										
Metals										
Aluminum	28500	28500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	38.2	13.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.1	0.1	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.1	12.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	32.8	22.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34300	27200	55000	Residential RSL	71900	11	11	0	0	--
Lead	58.4	8.77	140	Provisional RSL	N/A	11	9	0	1	--
Lead	58.4	8.77	400	Residential RSL	34.8	11	9	0	1	--
Manganese	772	477	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.023	0.023	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	200	62.7	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2324: 2532 S HURON ST (402-09-026C)										
Metals										
Aluminum	14200	14200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	264	16.6	194	Residential 10-4 risk	112	11	11	1	1	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.5	9.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	36	20.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30900	22400	55000	Residential RSL	71900	11	11	0	0	--
Lead	195	8.77	140	Provisional RSL	N/A	11	10	1	2	--
Lead	195	8.77	400	Residential RSL	34.8	11	10	0	2	--
Manganese	723	447	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.016	0.016	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	527	79.8	23000	Residential RSL	136	11	11	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2325: 2520 S HURON ST (402-09-026A)										
Metals										
Aluminum	17600	17600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	52.8	12.9	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.9	12.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	47	25.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	78000	25200	55000	Residential RSL	71900	11	11	3	1	--
Lead	32.7	14.5	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	32.7	14.5	400	Residential RSL	34.8	11	11	0	0	--
Manganese	1730	522	1800	Residential RSL	1600	11	11	0	1	--
Mercury	0.041	0.041	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	188	95.5	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2326: 2525 S HURON ST (402-09-023K)										
Metals										
Aluminum	19100	19100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	31.4	17.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.5	9.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	143	22.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29900	22900	55000	Residential RSL	71900	11	11	0	0	--
Lead	49	18.6	140	Provisional RSL	N/A	11	10	0	4	--
Lead	49	18.6	400	Residential RSL	34.8	11	10	0	4	--
Manganese	644	455	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.046	0.046	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	164	73.9	23000	Residential RSL	136	11	11	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2327: 2527 S HURON ST (402-09-023L)										
Metals										
Aluminum	19900	18200	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	31.4	14.2	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.24	0.24	70	Residential RSL	0.824	2	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.8	9.4	23	Residential RSL	43.6	2	2	0	0	--
Copper	44	23.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31900	23600	55000	Residential RSL	71900	11	11	0	0	--
Lead	30.4	12.5	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	30.4	12.5	400	Residential RSL	34.8	11	11	0	0	--
Manganese	707	487	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.067	0.038	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	160	71.9	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2328: 2535 S HURON ST (402-09-023F)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	571	18.9	194	Residential 10-4 risk	112	11	11	1	2	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	33.7	24.1	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	45000	24300	55000	Residential RSL	71900	11	11	0	0	--
Lead	412	10	140	Provisional RSL	N/A	11	11	1	3	--
Lead	412	10	400	Residential RSL	34.8	11	11	1	3	--
Manganese	696	446	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	1040	112	23000	Residential RSL	136	11	11	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2329: 2545 S HURON ST (402-09-023H)										
Metals										
Aluminum	20700	16500	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	72.8	15.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.9	8.7	23	Residential RSL	43.6	2	2	0	0	--
Copper	37.3	25.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29000	22200	55000	Residential RSL	71900	11	11	0	0	--
Lead	78.2	18.6	140	Provisional RSL	N/A	11	11	0	3	--
Lead	78.2	18.6	400	Residential RSL	34.8	11	11	0	3	--
Manganese	574	352	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.2	0.1	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	332	80.8	23000	Residential RSL	136	11	11	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 233: 2931 S THIRD ST (402-10-040)										
Metals										
Aluminum	23300	11100	77000	Residential RSL	35600	12	12	0	0	--
Antimony	1.4	0.69	31	Residential RSL	2.42	12	2	0	0	--
Arsenic	152	24.6	194	Residential 10-4 risk	112	22	22	0	1	--
Cadmium	5.1	0.76	70	Residential RSL	0.824	12	12	0	11	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.9	9.4	23	Residential RSL	43.6	12	12	0	0	--
Copper	248	31.7	3100	Residential RSL	182	22	22	0	1	--
Cyanide	0.82	0.34	21	Residential RSL	N/A	10	8	0	N/A	--
Iron	50400	17600	55000	Residential RSL	71900	22	22	0	0	--
Lead	949	48.1	140	Provisional RSL	N/A	22	22	17	22	--
Lead	949	48.1	400	Residential RSL	34.8	22	22	5	22	--
Manganese	748	307	1800	Residential RSL	1600	22	22	0	0	--
Mercury	2.6	0.13	23	Residential RSL	0.0795	12	12	0	12	--
Silver	2.1	0.57	390	Residential RSL	N/A	12	6	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	12	0	0	0	--
Zinc	1490	240	23000	Residential RSL	136	22	22	0	22	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2330: 2565 S HURON ST (402-09-023J)										
Metals										
Aluminum	19200	19200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	73.9	11.2	194	Residential 10-4 risk	112	11	9	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.2	8.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	42.8	22.1	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	73600	22200	55000	Residential RSL	71900	11	11	1	1	--
Lead	35.1	7.6	140	Provisional RSL	N/A	11	11	0	1	--
Lead	35.1	7.6	400	Residential RSL	34.8	11	11	0	1	--
Manganese	1760	453	1800	Residential RSL	1600	11	11	0	1	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	134	44.2	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 234 and 45J: 2645 S JONES ST (402-07-062A)										
Metals										
Aluminum	19200	10200	77000	Residential RSL	35600	12	12	0	0	--
Antimony	2.2	0.42	31	Residential RSL	2.42	12	3	0	0	--
Arsenic	40.7	18.6	194	Residential 10-4 risk	112	31	12	0	0	--
Cadmium	1.6	0.71	70	Residential RSL	0.824	12	12	0	11	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.3	11.2	23	Residential RSL	43.6	12	12	0	0	--
Copper	194	93	3100	Residential RSL	182	12	12	0	1	--
Cyanide	1	0.35	21	Residential RSL	N/A	10	10	0	N/A	--
Iron	30200	19600	55000	Residential RSL	71900	12	12	0	0	--
Lead	184	33.5	140	Provisional RSL	N/A	31	31	1	30	--
Lead	184	33.5	400	Residential RSL	34.8	31	31	0	30	--
Manganese	1070	580	1800	Residential RSL	1600	12	12	0	0	--
Mercury	0.65	0.058	23	Residential RSL	0.0795	12	12	0	10	--
Silver	3.2	3.1	390	Residential RSL	N/A	12	2	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	12	0	0	0	--
Zinc	495	174	23000	Residential RSL	136	12	12	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 235: 13230 E THIRD ST (402-07-012C)										
Metals										
Aluminum	23900	15300	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	37.9	21.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2	0.54	70	Residential RSL	0.824	10	7	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	24.3	15.1	23	Residential RSL	43.6	10	10	2	0	--
Copper	567	88.9	3100	Residential RSL	182	10	10	0	4	--
Cyanide	2.5	0.3	21	Residential RSL	N/A	10	10	0	N/A	--
Iron	32300	25400	55000	Residential RSL	71900	10	10	0	0	--
Lead	69.8	21.5	140	Provisional RSL	N/A	10	10	0	6	--
Lead	69.8	21.5	400	Residential RSL	34.8	10	10	0	6	--
Manganese	4880	745	1800	Residential RSL	1600	10	10	3	6	--
Mercury	0.85	0.12	23	Residential RSL	0.0795	10	8	0	8	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	394	133	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 236 and 85J: 2685 S JONES ST (402-07-063B)										
Metals										
Aluminum	22200	12600	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	52.3	16.8	194	Residential 10-4 risk	112	47	14	0	0	--
Cadmium	2.2	0.34	70	Residential RSL	0.824	10	10	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	20.2	12.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	318	70.6	3100	Residential RSL	182	10	10	0	7	--
Cyanide	0.57	0.22	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	31600	18900	55000	Residential RSL	71900	10	10	0	0	--
Lead	150	29.8	140	Provisional RSL	N/A	47	46	1	43	--
Lead	150	29.8	400	Residential RSL	34.8	47	46	0	43	--
Manganese	1850	434	1800	Residential RSL	1600	10	10	1	2	--
Mercury	0.28	0.042	23	Residential RSL	0.0795	10	10	0	8	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	371	112	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 237: 2900 S HOLIDAY DR (402-05-071C)										
Metals										
Aluminum	27100	10200	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.31	0.22	31	Residential RSL	2.42	10	2	0	0	--
Arsenic	73.7	12.4	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.4	0.44	70	Residential RSL	0.824	10	8	0	4	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	22.7	16.2	23	Residential RSL	43.6	10	10	0	0	--
Copper	256	51.6	3100	Residential RSL	182	10	10	0	2	--
Cyanide	0.7	0.23	21	Residential RSL	N/A	10	8	0	N/A	--
Iron	31700	22000	55000	Residential RSL	71900	10	10	0	0	--
Lead	80.1	20.9	140	Provisional RSL	N/A	10	10	0	6	--
Lead	80.1	20.9	400	Residential RSL	34.8	10	10	0	6	--
Manganese	2350	807	1800	Residential RSL	1600	10	10	3	4	--
Mercury	2.4	0.12	23	Residential RSL	0.0795	10	6	0	6	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.77	0.58	0.78	Residential RSL	2.8	10	4	0	0	--
Zinc	167	63.9	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 238: 13150 E PRESCOTT ST (402-06-090B)										
Metals										
Aluminum	15000	11500	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.4	0.94	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	21.9	14.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.5	0.94	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.4	11.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	112	43.6	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	22800	19300	55000	Residential RSL	71900	10	10	0	0	--
Lead	63.4	22	140	Provisional RSL	N/A	10	10	0	7	--
Lead	63.4	22	400	Residential RSL	34.8	10	10	0	7	--
Manganese	983	695	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.2	0.036	23	Residential RSL	0.0795	10	10	0	5	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.058	0.058	0.78	Residential RSL	2.8	10	1	0	0	--
Zinc	173	67.3	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 239: 13215 E PRESCOTT ST (402-07-089C)										
Metals										
Aluminum	21000	8960	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.5	0.93	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	26.3	11.5	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.3	0.81	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.2	7.8	23	Residential RSL	43.6	10	10	0	0	--
Copper	227	48.6	3100	Residential RSL	182	10	10	0	1	--
Cyanide	0.31	0.2	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	31300	14400	55000	Residential RSL	71900	10	10	0	0	--
Lead	87.3	19	140	Provisional RSL	N/A	10	10	0	5	--
Lead	87.3	19	400	Residential RSL	34.8	10	10	0	5	--
Manganese	1580	694	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.084	0.019	23	Residential RSL	0.0795	10	9	0	1	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.35	0.043	0.78	Residential RSL	2.8	10	4	0	0	--
Zinc	287	58.9	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2393: 2555 S STATE ROUTE 69 (402-08-032C)										
Metals										
Aluminum	18100	14600	77000	Residential RSL	35600	2	2	0	0	--
Antimony	7.1	7.1	31	Residential RSL	2.42	2	1	0	1	--
Arsenic	1470	16.6	194	Residential 10-4 risk	112	26	26	4	6	--
Cadmium	5	0.21	70	Residential RSL	0.824	2	2	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.4	9.7	23	Residential RSL	43.6	2	2	0	0	--
Copper	142	21.9	3100	Residential RSL	182	26	26	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	86400	25000	55000	Residential RSL	71900	26	26	3	2	--
Lead	13600	9.38	140	Provisional RSL	N/A	26	26	13	16	--
Lead	13600	9.38	400	Residential RSL	34.8	26	26	9	16	--
Manganese	942	462	1800	Residential RSL	1600	26	26	0	0	--
Mercury	2.7	0.054	23	Residential RSL	0.0795	2	2	0	1	--
Silver	3.4	3.4	390	Residential RSL	N/A	2	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	6320	64.4	23000	Residential RSL	136	26	26	0	22	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2394: 2550 S HECLA ST (402-09-023G)										
Metals										
Aluminum	17100	14200	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	117	13.1	194	Residential 10-4 risk	112	11	10	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.5	12.2	23	Residential RSL	43.6	2	2	0	0	--
Copper	45.3	26.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	73600	22700	55000	Residential RSL	71900	11	11	1	1	--
Lead	56.7	11.8	140	Provisional RSL	N/A	11	11	0	2	--
Lead	56.7	11.8	400	Residential RSL	34.8	11	11	0	2	--
Manganese	1520	411	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.016	0.016	23	Residential RSL	0.0795	2	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	171	71.7	23000	Residential RSL	136	11	11	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2396: 2581 S STATE ROUTE 69 (402-08-032D)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	51.6	16.6	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	38.3	20.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	62700	24700	55000	Residential RSL	71900	11	11	1	0	--
Lead	25.1	8.77	140	Provisional RSL	N/A	11	9	0	N/A	--
Lead	25.1	8.77	400	Residential RSL	34.8	11	9	0	0	--
Manganese	1140	528	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	137	68.9	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 240: 2874 S DANA ST (402-07-018)										
Metals										
Aluminum	20400	8910	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	34.2	8.3	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3.8	1.4	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.8	12.7	23	Residential RSL	43.6	10	10	0	0	--
Copper	245	42.6	3100	Residential RSL	182	10	10	0	3	--
Cyanide	0.34	0.16	21	Residential RSL	N/A	10	8	0	N/A	--
Iron	31900	16200	55000	Residential RSL	71900	10	10	0	0	--
Lead	112	10.1	140	Provisional RSL	N/A	10	10	0	5	--
Lead	112	10.1	400	Residential RSL	34.8	10	10	0	5	--
Manganese	1610	1030	1800	Residential RSL	1600	10	10	0	1	--
Mercury	0.63	0.013	23	Residential RSL	0.0795	10	9	0	4	--
Silver	0.59	0.079	390	Residential RSL	N/A	10	4	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	816	60.6	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2401: 2728 S CORRAL ST (402-09-032)										
Metals										
Aluminum	18300	18200	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	90.5	18.9	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.6	12.3	23	Residential RSL	43.6	2	2	0	0	--
Copper	88.5	24.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31400	25400	55000	Residential RSL	71900	11	11	0	0	--
Lead	752	11.3	140	Provisional RSL	N/A	11	11	3	5	--
Lead	752	11.3	400	Residential RSL	34.8	11	11	1	5	--
Manganese	694	465	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.15	0.072	23	Residential RSL	0.0795	2	2	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	1230	96.1	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2402: 12892 E PRESCOTT ST (402-09-019B), E PRESCOTT ST (402-09-019E)										
Metals										
Aluminum	17000	17000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	30.3	16.6	194	Residential 10-4 risk	112	12	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.5	10.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	109	24.4	3100	Residential RSL	182	12	12	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36600	22500	55000	Residential RSL	71900	12	12	0	0	--
Lead	102	5.86	140	Provisional RSL	N/A	12	12	0	7	--
Lead	102	5.86	400	Residential RSL	34.8	12	12	0	7	--
Manganese	613	439	1800	Residential RSL	1600	12	12	0	0	--
Mercury	0.16	0.16	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	264	70.9	23000	Residential RSL	136	12	12	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2403: 2730 S CORRAL ST (402-09-020A)										
Metals										
Aluminum	16000	16000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	86.1	26.9	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.8	10.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	142	27.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37000	28100	55000	Residential RSL	71900	11	11	0	0	--
Lead	233	22.9	140	Provisional RSL	N/A	11	11	2	10	--
Lead	233	22.9	400	Residential RSL	34.8	11	11	0	10	--
Manganese	627	460	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.28	0.28	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	545	121	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2404: 2732 S CORRAL ST (402-09-031)										
Metals										
Aluminum	21600	21600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	34.8	13.1	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.6	11.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	52.2	24.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31900	25200	55000	Residential RSL	71900	11	11	0	0	--
Lead	204	13.8	140	Provisional RSL	N/A	11	11	2	5	--
Lead	204	13.8	400	Residential RSL	34.8	11	11	0	5	--
Manganese	579	449	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.03	0.03	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	394	52.7	23000	Residential RSL	136	11	11	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2406: E PRESCOTT ST (402-10-074C)										
Metals										
Aluminum	16500	16400	77000	Residential RSL	35600	2	2	0	0	--
Antimony	4.9	0.53	31	Residential RSL	2.42	2	2	0	1	--
Arsenic	593	16.6	194	Residential 10-4 risk	112	14	14	1	2	--
Cadmium	4.6	0.57	70	Residential RSL	0.824	2	2	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.2	12.9	23	Residential RSL	43.6	2	2	0	0	--
Copper	1040	27.5	3100	Residential RSL	182	14	14	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	95600	28500	55000	Residential RSL	71900	14	14	1	1	--
Lead	8990	13.8	140	Provisional RSL	N/A	14	13	6	12	--
Lead	8990	13.8	400	Residential RSL	34.8	14	13	4	12	--
Manganese	805	520	1800	Residential RSL	1600	14	14	0	0	--
Mercury	2.5	0.068	23	Residential RSL	0.0795	2	2	0	1	--
Silver	4.3	4.3	390	Residential RSL	N/A	2	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	1110	98	23000	Residential RSL	136	14	14	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2407: E PRESCOTT ST (800-27-006M)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	156	21.1	194	Residential 10-4 risk	112	10	10	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	66.4	28.4	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35200	24700	55000	Residential RSL	71900	10	10	0	0	--
Lead	477	40.7	140	Provisional RSL	N/A	10	10	2	10	--
Lead	477	40.7	400	Residential RSL	34.8	10	10	1	10	--
Manganese	628	447	1800	Residential RSL	1600	10	10	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	595	125	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2408: E PRESCOTT ST (402-10-074D)										
Metals										
Aluminum	18100	17000	77000	Residential RSL	35600	2	2	0	0	--
Antimony	6.6	6.6	31	Residential RSL	2.42	2	1	0	1	--
Arsenic	254	16.6	194	Residential 10-4 risk	112	27	27	2	7	--
Cadmium	5.4	3.4	70	Residential RSL	0.824	2	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.6	14.8	23	Residential RSL	43.6	2	2	0	0	--
Copper	1400	26.5	3100	Residential RSL	182	27	27	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	57800	21100	55000	Residential RSL	71900	27	27	1	0	--
Lead	2460	26.6	140	Provisional RSL	N/A	27	27	18	26	--
Lead	2460	26.6	400	Residential RSL	34.8	27	27	7	26	--
Manganese	772	330	1800	Residential RSL	1600	27	27	0	0	--
Mercury	2.6	0.17	23	Residential RSL	0.0795	2	2	0	2	--
Silver	6.5	6.5	390	Residential RSL	N/A	2	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	1260	114	23000	Residential RSL	136	27	27	0	26	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2409: E PRESCOTT ST (402-06-102R)										
Metals										
Aluminum	19400	19300	77000	Residential RSL	35600	2	2	0	0	--
Antimony	1.5	1.5	31	Residential RSL	2.42	2	1	0	0	--
Arsenic	256	16.6	194	Residential 10-4 risk	112	16	16	2	6	--
Cadmium	3	3	70	Residential RSL	0.824	2	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.7	11.9	23	Residential RSL	43.6	2	2	0	0	--
Copper	1440	24.1	3100	Residential RSL	182	16	16	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	45100	26900	55000	Residential RSL	71900	16	16	0	0	--
Lead	1790	16.5	140	Provisional RSL	N/A	16	16	9	14	--
Lead	1790	16.5	400	Residential RSL	34.8	16	16	4	14	--
Manganese	958	390	1800	Residential RSL	1600	16	16	0	0	--
Mercury	0.31	0.19	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	1100	98	23000	Residential RSL	136	16	16	0	15	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 241: 2630 S HILL ST (402-09-009F)										
Metals										
Aluminum	18300	10100	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.26	0.25	31	Residential RSL	2.42	10	2	0	0	--
Arsenic	28.7	11	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.27	0.18	70	Residential RSL	0.824	10	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.4	7.2	23	Residential RSL	43.6	10	10	0	0	--
Copper	51.3	18.3	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.35	0.23	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	23700	17200	55000	Residential RSL	71900	10	10	0	0	--
Lead	37.6	9.8	140	Provisional RSL	N/A	10	10	0	1	--
Lead	37.6	9.8	400	Residential RSL	34.8	10	10	0	1	--
Manganese	608	423	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.13	0.041	23	Residential RSL	0.0795	10	9	0	1	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	143	63.2	23000	Residential RSL	136	10	10	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2410: 2852 S HECLA ST (402-06-102U)										
Metals										
Aluminum	15900	15900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	2.7	2.7	31	Residential RSL	2.42	1	1	0	1	--
Arsenic	419	13.1	194	Residential 10-4 risk	112	14	14	4	8	--
Cadmium	2.5	2.5	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.1	10.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	261	49.3	3100	Residential RSL	182	14	14	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	89200	23700	55000	Residential RSL	71900	14	14	3	1	--
Lead	3030	15.2	140	Provisional RSL	N/A	14	14	12	12	--
Lead	3030	15.2	400	Residential RSL	34.8	14	14	10	12	--
Manganese	716	435	1800	Residential RSL	1600	14	14	0	0	--
Mercury	0.65	0.65	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	1240	281	23000	Residential RSL	136	14	14	0	14	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2415: 12938 E MAIN ST (402-10-026A)										
Metals										
Aluminum	19000	12600	77000	Residential RSL	35600	3	3	0	0	--
Antimony	2	1.8	31	Residential RSL	2.42	3	2	0	0	--
Arsenic	100	15.4	194	Residential 10-4 risk	112	16	16	0	0	--
Cadmium	1.3	0.69	70	Residential RSL	0.824	3	2	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.3	8.2	23	Residential RSL	43.6	3	3	0	0	--
Copper	161	25.3	3100	Residential RSL	182	16	16	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36200	24000	55000	Residential RSL	71900	16	16	0	0	--
Lead	459	18.6	140	Provisional RSL	N/A	16	16	7	13	--
Lead	459	18.6	400	Residential RSL	34.8	16	16	1	13	--
Manganese	738	384	1800	Residential RSL	1600	16	16	0	0	--
Mercury	0.45	0.35	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	412	51.6	23000	Residential RSL	136	16	16	0	14	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2416: 12922 E MAIN ST (402-10-011A)										
Metals										
Aluminum	17900	17900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	69.5	17.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.2	13.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	133	23.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37600	21400	55000	Residential RSL	71900	11	11	0	0	--
Lead	255	15.2	140	Provisional RSL	N/A	11	11	2	10	--
Lead	255	15.2	400	Residential RSL	34.8	11	11	0	10	--
Manganese	613	480	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.21	0.21	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	610	106	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2417: 12910 E MAIN ST (402-10-009A), 12912 E MAIN ST (402-10-010A)										
Metals										
Aluminum	19200	17300	77000	Residential RSL	35600	2	2	0	0	--
Antimony	3.6	3.6	31	Residential RSL	2.42	2	1	0	1	--
Arsenic	87.1	13.1	194	Residential 10-4 risk	112	22	22	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13	10.6	23	Residential RSL	43.6	2	2	0	0	--
Copper	170	23.7	3100	Residential RSL	182	22	22	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39700	24200	55000	Residential RSL	71900	22	22	0	0	--
Lead	499	9.38	140	Provisional RSL	N/A	22	22	6	16	--
Lead	499	9.38	400	Residential RSL	34.8	22	22	1	16	--
Manganese	799	448	1800	Residential RSL	1600	22	22	0	0	--
Mercury	0.21	0.16	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	494	85.6	23000	Residential RSL	136	22	22	0	16	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 242: 13825 E BRADSHAW RD (402-05-064B)										
Metals										
Aluminum	25400	11000	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.64	0.22	31	Residential RSL	2.42	10	7	0	0	--
Arsenic	82.8	43.7	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.68	0.52	70	Residential RSL	0.824	10	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	26	14	23	Residential RSL	43.6	10	10	1	0	--
Copper	89.2	46.3	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.45	0.22	21	Residential RSL	N/A	10	7	0	N/A	--
Iron	39200	27700	55000	Residential RSL	71900	10	10	0	0	--
Lead	40.4	15.1	140	Provisional RSL	N/A	10	10	0	1	--
Lead	40.4	15.1	400	Residential RSL	34.8	10	10	0	1	--
Manganese	1410	810	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.15	0.048	23	Residential RSL	0.0795	10	8	0	5	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.94	0.27	0.78	Residential RSL	2.8	10	8	1	0	--
Zinc	133	73	23000	Residential RSL	136	10	10	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2420: 2912 S THIRD ST (402-10-033)										
Metals										
Aluminum	21100	21100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	48.3	20	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.27	0.27	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.2	12.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	44.9	24.1	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39200	29800	55000	Residential RSL	71900	11	11	0	0	--
Lead	86.6	9.38	140	Provisional RSL	N/A	11	10	0	3	--
Lead	86.6	9.38	400	Residential RSL	34.8	11	10	0	3	--
Manganese	723	407	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	297	85.6	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2422: 12955 E MAIN ST (402-10-031A)										
Metals										
Aluminum	24000	18500	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	75	20	194	Residential 10-4 risk	112	11	9	0	0	--
Cadmium	0.43	0.43	70	Residential RSL	0.824	2	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11	10.7	23	Residential RSL	43.6	2	2	0	0	--
Copper	60.5	21.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38200	23900	55000	Residential RSL	71900	11	11	0	0	--
Lead	141	10	140	Provisional RSL	N/A	11	10	1	4	--
Lead	141	10	400	Residential RSL	34.8	11	10	0	4	--
Manganese	708	368	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.12	0.12	23	Residential RSL	0.0795	1	1	0	1	--
Silver	0.16	0.16	390	Residential RSL	N/A	2	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	617	76.9	23000	Residential RSL	136	11	11	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2425: 12925 E MAIN ST (402-10-018)										
Metals										
Aluminum	14900	14900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	25.7	11.4	194	Residential 10-4 risk	112	11	6	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.5	14.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	77.4	25.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	46000	20600	55000	Residential RSL	71900	11	11	0	0	--
Lead	39.9	17.2	140	Provisional RSL	N/A	11	11	0	1	--
Lead	39.9	17.2	400	Residential RSL	34.8	11	11	0	1	--
Manganese	958	365	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.024	0.024	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	280	82.7	23000	Residential RSL	136	11	10	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2426: 12913 E MAIN ST (402-10-017)										
Metals										
Aluminum	21000	21000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	397	18.9	194	Residential 10-4 risk	112	11	11	3	4	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.7	9.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	42	24.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	92200	27800	55000	Residential RSL	71900	11	11	2	1	--
Lead	304	11.9	140	Provisional RSL	N/A	11	11	1	5	--
Lead	304	11.9	400	Residential RSL	34.8	11	11	0	5	--
Manganese	6310	470	1800	Residential RSL	1600	11	11	4	4	--
Mercury	0.058	0.058	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	212	77.8	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2427: 12901 E MAIN ST (402-10-016)										
Metals										
Aluminum	18300	18300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	44.9	13	194	Residential 10-4 risk	112	11	7	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	7.7	7.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	32.5	23.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	25400	17900	55000	Residential RSL	71900	11	11	0	0	--
Lead	98.1	20.7	140	Provisional RSL	N/A	11	11	0	6	--
Lead	98.1	20.7	400	Residential RSL	34.8	11	11	0	6	--
Manganese	565	346	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	245	102	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2428: 12899 E MAIN ST (402-10-015)										
Metals										
Aluminum	19700	19700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	63.9	20	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.4	9.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	48.6	25.5	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35500	21800	55000	Residential RSL	71900	11	11	0	0	--
Lead	125	25.8	140	Provisional RSL	N/A	11	11	0	9	--
Lead	125	25.8	400	Residential RSL	34.8	11	11	0	9	--
Manganese	630	403	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.14	0.14	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	416	131	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2429: 12847 E MAIN ST (402-10-014)										
Metals										
Aluminum	18200	18200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	38.2	13.1	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.3	9.3	23	Residential RSL	43.6	1	1	0	0	--
Copper	124	24.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	32000	21300	55000	Residential RSL	71900	11	11	0	0	--
Lead	245	8.17	140	Provisional RSL	N/A	11	11	2	7	--
Lead	245	8.17	400	Residential RSL	34.8	11	11	0	7	--
Manganese	575	406	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.21	0.21	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	217	38.8	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 243: 13165 E PRESCOTT ST (402-07-087E)										
Metals										
Aluminum	23400	14500	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	28.8	16.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.69	0.58	70	Residential RSL	0.824	10	5	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	20.1	12.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	82.2	39.4	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.47	0.25	21	Residential RSL	N/A	10	6	0	N/A	--
Iron	30300	22200	55000	Residential RSL	71900	10	10	0	0	--
Lead	89.6	15.8	140	Provisional RSL	N/A	10	10	0	3	--
Lead	89.6	15.8	400	Residential RSL	34.8	10	10	0	3	--
Manganese	1100	534	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.55	0.055	23	Residential RSL	0.0795	10	9	0	5	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	383	119	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2430: 12827 E MAIN ST (402-10-012), 12835 E MAIN ST (402-10-013)										
Metals										
Aluminum	26000	18400	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	49.4	20.1	194	Residential 10-4 risk	112	13	12	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	3	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18	11.1	23	Residential RSL	43.6	3	3	0	0	--
Copper	119	27.1	3100	Residential RSL	182	13	13	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	47000	19700	55000	Residential RSL	71900	13	13	0	0	--
Lead	565	20.7	140	Provisional RSL	N/A	13	13	3	11	--
Lead	565	20.7	400	Residential RSL	34.8	13	13	1	11	--
Manganese	940	363	1800	Residential RSL	1600	13	13	0	0	--
Mercury	0.33	0.13	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	490	88.5	23000	Residential RSL	136	13	13	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2433: 12809 E MAIN ST (402-10-073)										
Metals										
Aluminum	19500	16400	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	85	16.6	194	Residential 10-4 risk	112	22	21	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.6	9.5	23	Residential RSL	43.6	2	2	0	0	--
Copper	60.8	21.9	3100	Residential RSL	182	22	22	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	41600	24500	55000	Residential RSL	71900	22	22	0	0	--
Lead	148	8.77	140	Provisional RSL	N/A	22	22	1	10	--
Lead	148	8.77	400	Residential RSL	34.8	22	22	0	10	--
Manganese	748	503	1800	Residential RSL	1600	22	22	0	0	--
Mercury	0.16	0.16	23	Residential RSL	0.0795	2	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	1470	50.6	23000	Residential RSL	136	22	22	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2434: 12802 E CHAPARRAL ST (402-10-025)										
Metals										
Aluminum	15700	15700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	67.3	23.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.8	10.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	76.1	26.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	32800	22100	55000	Residential RSL	71900	11	11	0	0	--
Lead	167	15.2	140	Provisional RSL	N/A	11	11	1	8	--
Lead	167	15.2	400	Residential RSL	34.8	11	11	0	8	--
Manganese	595	502	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.16	0.16	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	394	48.5	23000	Residential RSL	136	11	11	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2435: 12848 E CHAPARRAL ST (402-10-022)										
Metals										
Aluminum	20500	20500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	164	17.7	194	Residential 10-4 risk	112	11	11	0	2	--
Cadmium	1.5	1.5	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.8	10.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	80.1	21	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	43600	30000	55000	Residential RSL	71900	11	11	0	0	--
Lead	174	11.9	140	Provisional RSL	N/A	11	10	2	7	--
Lead	174	11.9	400	Residential RSL	34.8	11	10	0	7	--
Manganese	1290	424	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.26	0.26	23	Residential RSL	0.0795	1	1	0	1	--
Silver	0.36	0.36	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	473	86.6	23000	Residential RSL	136	11	11	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2437A: 12765 E CHAPARRAL ST (402-10-046A), 12775 E CHAPARRAL ST (402-10-046B)										
Metals										
Aluminum	15900	15900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	32.3	14.2	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.5	11.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	36.3	19.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	29000	11400	55000	Residential RSL	71900	11	11	0	0	--
Lead	48.1	10.6	140	Provisional RSL	N/A	11	11	0	1	--
Lead	48.1	10.6	400	Residential RSL	34.8	11	11	0	1	--
Manganese	529	196	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.049	0.049	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	139	35.6	23000	Residential RSL	136	11	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2439A: 12835 E CHAPARRAL ST (402-10-048C), 12845 E CHAPARRAL ST (402-10-049C), 12855 E CHAPARRAL ST (402-10-049D)										
Metals										
Aluminum	19600	17900	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	49.3	14.2	194	Residential 10-4 risk	112	17	14	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.1	10	23	Residential RSL	43.6	2	2	0	0	--
Copper	72.1	20.7	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31100	21400	55000	Residential RSL	71900	17	17	0	0	--
Lead	86.3	13.2	140	Provisional RSL	N/A	17	17	0	7	--
Lead	86.3	13.2	400	Residential RSL	34.8	17	17	0	7	--
Manganese	648	389	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.31	0.16	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	222	43.2	23000	Residential RSL	136	17	17	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 244: 2575 S HILL ST (402-09-016H)										
Metals										
Aluminum	19100	12000	77000	Residential RSL	35600	10	10	0	0	Y
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	339	14.6	194	Residential 10-4 risk	112	10	10	1	1	Y
Cadmium	0.67	0.4	70	Residential RSL	0.824	10	6	0	0	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	42.1	9.2	23	Residential RSL	43.6	10	10	1	0	Y
Copper	83.4	29.7	3100	Residential RSL	182	10	10	0	0	Y
Cyanide	1.2	0.27	21	Residential RSL	N/A	10	8	0	N/A	Y
Iron	57100	17100	55000	Residential RSL	71900	10	10	1	0	Y
Lead	40.3	11.4	140	Provisional RSL	N/A	10	10	0	1	Y
Lead	40.3	11.4	400	Residential RSL	34.8	10	10	0	1	Y
Manganese	3900	467	1800	Residential RSL	1600	10	10	1	1	Y
Mercury	0.19	0.057	23	Residential RSL	0.0795	10	6	0	4	Y
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	295	63.3	23000	Residential RSL	136	10	10	0	3	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2444: 2901 S FIRST ST (402-10-050A)										
Metals										
Aluminum	13300	9970	77000	Residential RSL	35600	2	2	0	0	--
Antimony	1.9	1.9	31	Residential RSL	2.42	2	1	0	0	--
Arsenic	778	17.7	194	Residential 10-4 risk	112	14	14	3	6	--
Cadmium	1.9	1.9	70	Residential RSL	0.824	2	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.9	10.3	23	Residential RSL	43.6	2	2	0	0	--
Copper	97	25.7	3100	Residential RSL	182	14	14	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	1	0	0	N/A	--
Iron	58800	24800	55000	Residential RSL	71900	12	12	1	0	--
Lead	2120	17.9	140	Provisional RSL	N/A	14	14	4	13	--
Lead	2120	17.9	400	Residential RSL	34.8	14	14	3	13	--
Manganese	598	392	1800	Residential RSL	1600	12	12	0	0	--
Mercury	0.55	0.13	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	0.16	0.16	0.78	Residential RSL	2.8	2	1	0	0	--
Zinc	685	57.8	23000	Residential RSL	136	14	14	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2449: 12669 E RICHARDS LN (402-08-066T)										
Metals										
Aluminum	11900	11900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	50.5	20	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.7	11.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	35.9	21	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34500	23300	55000	Residential RSL	71900	11	11	0	0	--
Lead	33.6	8.77	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	33.6	8.77	400	Residential RSL	34.8	11	11	0	0	--
Manganese	832	456	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.11	0.11	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	146	79.8	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 245: 2620 S COLINA LN (402-08-016H)										
Metals										
Aluminum	21700	9020	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	18.2	7.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.73	0.25	70	Residential RSL	0.824	10	8	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	24.6	10.2	23	Residential RSL	43.6	10	10	1	0	--
Copper	42.1	16.3	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.37	0.37	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	32200	12800	55000	Residential RSL	71900	10	10	0	0	--
Lead	10.9	5.5	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	10.9	5.5	400	Residential RSL	34.8	10	10	0	0	--
Manganese	997	288	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.047	0.043	23	Residential RSL	0.0795	10	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	79.9	33.7	23000	Residential RSL	136	10	10	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2456: S OMEGA DR (402-08-071T)										
Metals										
Aluminum	22500	22500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	25.7	13.1	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.12	0.12	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.9	10.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	25.7	20.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36000	26000	55000	Residential RSL	71900	11	11	0	0	--
Lead	13.8	8.17	140	Provisional RSL	N/A	11	3	0	N/A	--
Lead	13.8	8.17	400	Residential RSL	34.8	11	3	0	0	--
Manganese	719	518	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	86.6	41	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2457: 2905 S OMEGA DR (402-08-071Q)										
Metals										
Aluminum	10100	10100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	29.1	9.9	194	Residential 10-4 risk	112	12	9	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.7	11.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	27.5	19.7	3100	Residential RSL	182	12	12	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	1	0	0	N/A	--
Iron	30600	15600	55000	Residential RSL	71900	12	12	0	0	--
Lead	26.6	9.6	140	Provisional RSL	N/A	12	12	0	N/A	--
Lead	26.6	9.6	400	Residential RSL	34.8	12	12	0	0	--
Manganese	697	460	1800	Residential RSL	1600	12	12	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	0.82	0.82	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	0.87	0.87	0.78	Residential RSL	2.8	1	1	1	0	--
Zinc	105	35.6	23000	Residential RSL	136	12	12	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2458: 2935 S OMEGA DR (402-08-071R)										
Metals										
Aluminum	20300	20300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	23.4	14.2	194	Residential 10-4 risk	112	11	8	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.7	12.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	33	22.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34300	24000	55000	Residential RSL	71900	11	11	0	0	--
Lead	19.3	7.7	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	19.3	7.7	400	Residential RSL	34.8	11	11	0	0	--
Manganese	678	475	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.012	0.012	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	58.8	38.8	23000	Residential RSL	136	11	10	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2459A: 2945 S OMEGA DR (402-08-071S)										
Metals										
Aluminum	19400	19400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	25.7	16.6	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.3	13.3	23	Residential RSL	43.6	1	1	0	0	--
Copper	27.5	20.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	33600	29600	55000	Residential RSL	71900	11	11	0	0	--
Lead	8.17	7.58	140	Provisional RSL	N/A	11	2	0	N/A	--
Lead	8.17	7.58	400	Residential RSL	34.8	11	2	0	0	--
Manganese	660	527	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.007	0.007	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	92.3	70.9	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2459B: 2955 S OMEGA DR (402-08-071L)										
Metals										
Aluminum	17000	17000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	75	15	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.5	12.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	26.1	20.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37000	24700	55000	Residential RSL	71900	11	11	0	0	--
Lead	7.7	7.7	140	Provisional RSL	N/A	11	1	0	N/A	--
Lead	7.7	7.7	400	Residential RSL	34.8	11	1	0	0	--
Manganese	628	564	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	79.8	44.8	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 246 and 30W: 13318 E WELLS ST (402-07-042), 13330 E WELLS ST (402-07-042A)										
Metals										
Aluminum	17600	9440	77000	Residential RSL	35600	17	17	0	0	--
Antimony	46.3	4.6	31	Residential RSL	2.42	17	8	1	8	--
Arsenic	1630	23.6	194	Residential 10-4 risk	112	43	32	8	12	--
Cadmium	9.3	0.95	70	Residential RSL	0.824	17	17	0	17	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.3	7.2	23	Residential RSL	43.6	17	17	0	0	--
Copper	264	68.8	3100	Residential RSL	182	17	17	0	6	--
Cyanide	1.2	0.26	21	Residential RSL	N/A	10	10	0	N/A	--
Iron	51600	15900	55000	Residential RSL	71900	17	17	0	0	--
Lead	2120	31.9	140	Provisional RSL	N/A	43	41	22	39	--
Lead	2120	31.9	400	Residential RSL	34.8	43	41	7	39	--
Manganese	1120	314	1800	Residential RSL	1600	17	17	0	0	--
Mercury	5	0.12	23	Residential RSL	0.0795	17	16	0	16	--
Silver	15.9	0.43	390	Residential RSL	N/A	17	14	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	17	0	0	0	--
Zinc	2010	139	23000	Residential RSL	136	17	17	0	17	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2462: 2985 S OMEGA DR (402-08-071H)										
Metals										
Aluminum	20400	20400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	25.7	13.1	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.2	13.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	27.6	22.1	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37400	26400	55000	Residential RSL	71900	11	11	0	0	--
Lead	9.6	7	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	9.6	7	400	Residential RSL	34.8	11	11	0	0	--
Manganese	1390	422	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.014	0.014	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	76.9	48	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 247: 13032 E PRESCOTT ST (402-06-074E)										
Metals										
Aluminum	20000	6900	77000	Residential RSL	35600	10	10	0	0	--
Antimony	35.2	6.2	31	Residential RSL	2.42	10	2	1	2	--
Arsenic	785	12.5	194	Residential 10-4 risk	112	10	10	1	1	--
Cadmium	4.4	0.44	70	Residential RSL	0.824	10	10	0	5	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.8	5.7	23	Residential RSL	43.6	10	10	0	0	--
Copper	126	31.9	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.66	0.26	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	28500	17700	55000	Residential RSL	71900	10	10	0	0	--
Lead	1170	16.1	140	Provisional RSL	N/A	10	10	2	5	--
Lead	1170	16.1	400	Residential RSL	34.8	10	10	1	5	--
Manganese	644	246	1800	Residential RSL	1600	10	10	0	0	--
Mercury	4.4	0.045	23	Residential RSL	0.0795	10	8	0	6	--
Silver	2.2	0.42	390	Residential RSL	N/A	10	4	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	769	66.6	23000	Residential RSL	136	10	10	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 248: 2797 S DANA ST (402-07-008A)										
Metals										
Aluminum	21900	15200	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	38.1	15.6	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	6.7	0.11	70	Residential RSL	0.824	10	10	0	6	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	21.1	14.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	589	36.5	3100	Residential RSL	182	10	10	0	2	--
Cyanide	0.69	0.22	21	Residential RSL	N/A	10	8	0	N/A	--
Iron	29300	22400	55000	Residential RSL	71900	10	10	0	0	--
Lead	201	9.9	140	Provisional RSL	N/A	10	10	1	8	--
Lead	201	9.9	400	Residential RSL	34.8	10	10	0	8	--
Manganese	2300	1080	1800	Residential RSL	1600	10	10	1	2	--
Mercury	0.25	0.049	23	Residential RSL	0.0795	10	8	0	4	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	392	54.7	23000	Residential RSL	136	10	10	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 249: 2885 S OMEGA DR (402-08-071P)										
Metals										
Aluminum	18000	13900	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	15.4	9.2	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	10	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.8	11	23	Residential RSL	43.6	10	10	0	0	--
Copper	25.2	20.9	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.37	0.37	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	27200	20100	55000	Residential RSL	71900	10	10	0	0	--
Lead	19.3	9.2	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	19.3	9.2	400	Residential RSL	34.8	10	10	0	0	--
Manganese	1130	489	1800	Residential RSL	1600	10	10	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	10	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	56.9	45.3	23000	Residential RSL	136	10	10	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2490: 12870 E MAIN ST (402-10-006A)										
Metals										
Aluminum	22200	16800	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	65.4	14.2	194	Residential 10-4 risk	112	20	20	0	0	--
Cadmium	0.7	0.7	70	Residential RSL	0.824	3	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18.3	9.5	23	Residential RSL	43.6	3	3	0	0	--
Copper	85.3	25.3	3100	Residential RSL	182	20	20	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	54000	22300	55000	Residential RSL	71900	20	20	0	0	--
Lead	396	13.8	140	Provisional RSL	N/A	20	20	4	15	--
Lead	396	13.8	400	Residential RSL	34.8	20	20	0	15	--
Manganese	846	430	1800	Residential RSL	1600	20	20	0	0	--
Mercury	0.12	0.056	23	Residential RSL	0.0795	3	3	0	1	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	651	107	23000	Residential RSL	136	20	20	0	15	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 250: 2280 S EDDS SAND TRL (402-06-019D)										
Metals										
Aluminum	13700	8880	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	35	12.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.9	0.094	70	Residential RSL	0.824	10	5	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.2	9.5	23	Residential RSL	43.6	10	10	0	0	--
Copper	167	27.5	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.39	0.27	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	22000	17100	55000	Residential RSL	71900	10	10	0	0	--
Lead	61.4	15.5	140	Provisional RSL	N/A	10	10	0	3	--
Lead	61.4	15.5	400	Residential RSL	34.8	10	10	0	3	--
Manganese	555	461	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.46	0.064	23	Residential RSL	0.0795	10	9	0	7	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	172	60	23000	Residential RSL	136	10	10	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2502: 13022 E MCCABE ST (402-06-060), 13035 E MCCABE ST (402-06-059)										
Metals										
Aluminum	23000	16600	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	63.9	15.4	194	Residential 10-4 risk	112	22	22	0	0	--
Cadmium	1.6	1.3	70	Residential RSL	0.824	2	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.7	11.4	23	Residential RSL	43.6	2	2	0	0	--
Copper	146	23.4	3100	Residential RSL	182	22	22	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36300	24400	55000	Residential RSL	71900	22	22	0	0	--
Lead	347	35.1	140	Provisional RSL	N/A	22	21	6	21	--
Lead	347	35.1	400	Residential RSL	34.8	22	21	0	21	--
Manganese	674	495	1800	Residential RSL	1600	22	22	0	0	--
Mercury	0.3	0.17	23	Residential RSL	0.0795	2	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	540	81.7	23000	Residential RSL	136	22	22	0	21	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2504: 13045 E MCCABE ST (402-06-058)										
Metals										
Aluminum	19800	19800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	49.4	14.2	194	Residential 10-4 risk	112	11	8	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.1	10.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	33.7	25.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	75200	22100	55000	Residential RSL	71900	11	11	1	1	--
Lead	66.4	13.2	140	Provisional RSL	N/A	11	11	0	2	--
Lead	66.4	13.2	400	Residential RSL	34.8	11	11	0	2	--
Manganese	1900	380	1800	Residential RSL	1600	11	11	1	1	--
Mercury	0.045	0.045	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	277	59.9	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2505: 13049 E MCCABE ST (402-06-057)										
Metals										
Aluminum	17000	16400	77000	Residential RSL	35600	2	2	0	0	--
Antimony	0.87	0.5	31	Residential RSL	2.42	2	2	0	0	--
Arsenic	56.1	21.1	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	1.2	0.33	70	Residential RSL	0.824	2	2	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.1	10.1	23	Residential RSL	43.6	2	2	0	0	--
Copper	221	21.3	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	44900	26400	55000	Residential RSL	71900	11	11	0	0	--
Lead	101	7	140	Provisional RSL	N/A	11	11	0	3	--
Lead	101	7	400	Residential RSL	34.8	11	11	0	3	--
Manganese	1170	510	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.23	0.061	23	Residential RSL	0.0795	2	2	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	389	78.8	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2507: 2649 S BUTTE ST (402-06-044H)										
Metals										
Aluminum	20600	20600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	51.6	15.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.21	0.21	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10	10	23	Residential RSL	43.6	1	1	0	0	--
Copper	36.5	25.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35800	23900	55000	Residential RSL	71900	11	11	0	0	--
Lead	58.4	20.7	140	Provisional RSL	N/A	11	11	0	5	--
Lead	58.4	20.7	400	Residential RSL	34.8	11	11	0	5	--
Manganese	802	420	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.03	0.03	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	194	70.9	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2508: 13153 E MCCABE ST (402-06-043S)										
Metals										
Aluminum	30400	30400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	32.5	17.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.9	9.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	37.7	23.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37600	26100	55000	Residential RSL	71900	11	11	0	0	--
Lead	24.4	7.58	140	Provisional RSL	N/A	11	10	0	N/A	--
Lead	24.4	7.58	400	Residential RSL	34.8	11	10	0	0	--
Manganese	1020	370	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	301	58.2	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2509: 13153 E MCCABE ST (402-06-043R), 13165 E MCCABE ST (402-06-043P)										
Metals										
Aluminum	22000	16600	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	23.4	15.4	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.6	10.8	23	Residential RSL	43.6	2	2	0	0	--
Copper	38.4	24.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	32600	21900	55000	Residential RSL	71900	11	11	0	0	--
Lead	30.4	15.2	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	30.4	15.2	400	Residential RSL	34.8	11	11	0	0	--
Manganese	611	407	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.065	0.058	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	188	87.5	23000	Residential RSL	136	11	11	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 251: 2735 S CORRAL ST (402-09-030C)	**EPA Yard ID 251: 2735 S CORRAL ST (402-09-030C)**									
Metals										
Aluminum	21500	10100	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	170	12	194	Residential 10-4 risk	112	10	10	0	1	--
Cadmium	0.027	0.027	70	Residential RSL	0.824	10	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	30.7	11.1	23	Residential RSL	43.6	10	10	1	0	--
Copper	64.6	24	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.22	0.22	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	40800	20400	55000	Residential RSL	71900	10	10	0	0	--
Lead	15.3	7.3	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	15.3	7.3	400	Residential RSL	34.8	10	10	0	0	--
Manganese	4500	545	1800	Residential RSL	1600	10	10	1	1	--
Mercury	0.092	0.044	23	Residential RSL	0.0795	10	5	0	1	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	84.2	51.3	23000	Residential RSL	136	10	10	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2511: 2656 S DANA ST (402-06-042A)										
Metals										
Aluminum	24100	24100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	29.1	17.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15	15	23	Residential RSL	43.6	1	1	0	0	--
Copper	56.1	24.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	32700	26400	55000	Residential RSL	71900	11	11	0	0	--
Lead	65.7	11.3	140	Provisional RSL	N/A	11	11	0	1	--
Lead	65.7	11.3	400	Residential RSL	34.8	11	11	0	1	--
Manganese	729	558	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.06	0.06	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	283	111	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2512: 13175 E MCCABE ST (402-06-035A)										
Metals										
Aluminum	22700	18900	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	29.1	15.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13	8.5	23	Residential RSL	43.6	2	2	0	0	--
Copper	46.9	25	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34400	15400	55000	Residential RSL	71900	11	11	0	0	--
Lead	37.5	15.2	140	Provisional RSL	N/A	11	11	0	1	--
Lead	37.5	15.2	400	Residential RSL	34.8	11	11	0	1	--
Manganese	680	239	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.044	0.028	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	168	73	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2514: 13215 E MCCABE ST (402-06-033)										
Metals										
Aluminum	11800	11800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	33.7	15.1	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.55	0.55	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	7.7	7.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	85.3	21.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30700	21600	55000	Residential RSL	71900	11	11	0	0	--
Lead	75.5	20.7	140	Provisional RSL	N/A	11	10	0	7	--
Lead	75.5	20.7	400	Residential RSL	34.8	11	10	0	7	--
Manganese	747	438	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	0.2	0.2	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	268	69.9	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2515: 13225 E MCCABE ST (402-06-032)										
Metals										
Aluminum	24000	24000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	46	21.1	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.56	0.56	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.2	12.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	84.3	26.5	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38900	26400	55000	Residential RSL	71900	11	11	0	0	--
Lead	86.6	19.3	140	Provisional RSL	N/A	11	11	0	3	--
Lead	86.6	19.3	400	Residential RSL	34.8	11	11	0	3	--
Manganese	958	521	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	0.17	0.17	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	347	130	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2516: 13245 E MCCABE ST (402-06-030)										
Metals										
Aluminum	19400	19400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	48.3	18.9	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.53	0.53	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	1.4	1.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	313	28.7	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37400	27700	55000	Residential RSL	71900	11	11	0	0	--
Lead	155	17.2	140	Provisional RSL	N/A	11	11	1	4	--
Lead	155	17.2	400	Residential RSL	34.8	11	11	0	4	--
Manganese	1120	681	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.25	0.25	23	Residential RSL	0.0795	1	1	0	1	--
Silver	0.59	0.59	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	679	160	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2517: 2662 S OLD BLACK CANYON HWY (402-06-031)										
Metals										
Aluminum	23800	23800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	43.8	20	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	1	1	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.9	9.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	146	30.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37000	25500	55000	Residential RSL	71900	11	11	0	0	--
Lead	369	20	140	Provisional RSL	N/A	11	11	1	10	--
Lead	369	20	400	Residential RSL	34.8	11	11	0	10	--
Manganese	990	636	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	0.29	0.29	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	779	165	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2518: 13240 E PHOENIX ST (402-06-041)										
Metals										
Aluminum	22700	22700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	29.8	16.6	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.9	13.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	117	27.5	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31200	19700	55000	Residential RSL	71900	11	11	0	0	--
Lead	81.9	23.6	140	Provisional RSL	N/A	11	11	0	7	--
Lead	81.9	23.6	400	Residential RSL	34.8	11	11	0	7	--
Manganese	926	447	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.16	0.16	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	248	105	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 252: 3047 S THIRD ST (402-08-039)										
Metals										
Aluminum	19200	5980	77000	Residential RSL	35600	13	13	0	0	--
Antimony	6.3	0.29	31	Residential RSL	2.42	13	13	0	3	--
Arsenic	1690	22.3	194	Residential 10-4 risk	112	33	33	10	15	--
Cadmium	4.5	0.49	70	Residential RSL	0.824	13	13	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	20.9	10.5	23	Residential RSL	43.6	13	13	0	0	--
Copper	113	23.3	3100	Residential RSL	182	33	33	0	0	--
Cyanide	0.41	0.21	21	Residential RSL	N/A	10	8	0	N/A	--
Iron	86300	19600	55000	Residential RSL	71900	21	21	1	1	--
Lead	1110	17.9	140	Provisional RSL	N/A	33	33	16	30	--
Lead	1110	17.9	400	Residential RSL	34.8	33	33	5	30	--
Manganese	1010	366	1800	Residential RSL	1600	21	21	0	0	--
Mercury	0.66	0.13	23	Residential RSL	0.0795	10	10	0	10	--
Silver	6.1	0.11	390	Residential RSL	N/A	13	9	0	N/A	--
Thallium	0.32	0.3	0.78	Residential RSL	2.8	13	2	0	0	--
Zinc	940	128	23000	Residential RSL	136	33	33	0	32	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2520: 13224 E PHOENIX ST (402-06-040A)										
Metals										
Aluminum	18200	18200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	40.4	14.2	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.4	12.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	88.5	28	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37200	20300	55000	Residential RSL	71900	11	11	0	0	--
Lead	110	31.9	140	Provisional RSL	N/A	11	11	0	9	--
Lead	110	31.9	400	Residential RSL	34.8	11	11	0	9	--
Manganese	1160	550	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.22	0.22	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	268	118	23000	Residential RSL	136	11	11	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2521: 13206 E PHOENIX ST (402-06-038A)										
Metals										
Aluminum	12200	12200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	41.6	17.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8	8	23	Residential RSL	43.6	1	1	0	0	--
Copper	63.1	26.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	43600	22700	55000	Residential RSL	71900	11	11	0	0	--
Lead	78.2	8.77	140	Provisional RSL	N/A	11	11	0	9	--
Lead	78.2	8.77	400	Residential RSL	34.8	11	11	0	9	--
Manganese	974	504	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	315	87.5	23000	Residential RSL	136	11	11	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2522: 13204 E PHOENIX ST (402-06-037)										
Metals										
Aluminum	12400	12400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	52.8	16.1	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.33	0.33	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	7.6	7.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	40.5	30.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31200	22100	55000	Residential RSL	71900	11	11	0	0	--
Lead	101	20.1	140	Provisional RSL	N/A	11	11	0	10	--
Lead	101	20.1	400	Residential RSL	34.8	11	11	0	10	--
Manganese	910	459	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.014	0.014	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	294	87.7	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2523: 2672 S DANA ST (402-06-047)										
Metals										
Aluminum	18200	18200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	170	15.4	194	Residential 10-4 risk	112	11	11	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.6	10.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	43.5	29.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31700	21400	55000	Residential RSL	71900	11	11	0	0	--
Lead	191	18.7	140	Provisional RSL	N/A	11	11	1	6	--
Lead	191	18.7	400	Residential RSL	34.8	11	11	0	6	--
Manganese	736	512	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	432	89.5	23000	Residential RSL	136	11	11	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2524: 13151 E SWENSONS ALLEY (402-06-046)										
Metals										
Aluminum	17700	17700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	56.1	30.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	2	2	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.9	12.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	207	34.3	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34900	26100	55000	Residential RSL	71900	11	11	0	0	--
Lead	120	22.2	140	Provisional RSL	N/A	11	11	0	9	--
Lead	120	22.2	400	Residential RSL	34.8	11	11	0	9	--
Manganese	846	611	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.17	0.17	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	417	205	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2525: 13130 E PHOENIX ST (402-06-045)										
Metals										
Aluminum	18200	18200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	46	22.3	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.88	0.88	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.7	13.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	84.5	26.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39100	24000	55000	Residential RSL	71900	11	11	0	0	--
Lead	49	14.5	140	Provisional RSL	N/A	11	11	0	3	--
Lead	49	14.5	400	Residential RSL	34.8	11	11	0	3	--
Manganese	2360	534	1800	Residential RSL	1600	11	11	1	1	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	298	110	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2526: 2670 S BUTTE ST (402-06-053C)										
Metals										
Aluminum	20700	19600	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	33.7	14.3	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.3	8.7	23	Residential RSL	43.6	2	2	0	0	--
Copper	49.6	23.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37400	25900	55000	Residential RSL	71900	11	11	0	0	--
Lead	30.4	10.6	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	30.4	10.6	400	Residential RSL	34.8	11	11	0	0	--
Manganese	736	454	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.11	0.11	23	Residential RSL	0.0795	2	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	174	71.4	23000	Residential RSL	136	11	11	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2527: 13050 E PHOENIX ST (402-06-067A)										
Metals										
Aluminum	16400	16400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	127	18.9	194	Residential 10-4 risk	112	11	10	0	1	--
Cadmium	2.1	2.1	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.8	9.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	359	27.7	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39600	23500	55000	Residential RSL	71900	11	11	0	0	--
Lead	317	19.3	140	Provisional RSL	N/A	11	11	3	9	--
Lead	317	19.3	400	Residential RSL	34.8	11	11	0	9	--
Manganese	658	435	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.67	0.67	23	Residential RSL	0.0795	1	1	0	1	--
Silver	5.8	5.8	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	0.45	0.45	0.78	Residential RSL	2.8	1	1	0	0	--
Zinc	448	65.9	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2529: 13030 E PHOENIX ST (402-06-064A)										
Metals										
Aluminum	21200	21200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	106	20	194	Residential 10-4 risk	112	16	16	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.8	8.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	57.3	26.7	3100	Residential RSL	182	16	16	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34400	23100	55000	Residential RSL	71900	16	16	0	0	--
Lead	2240	26.1	140	Provisional RSL	N/A	16	16	9	13	--
Lead	2240	26.1	400	Residential RSL	34.8	16	16	3	13	--
Manganese	602	409	1800	Residential RSL	1600	16	16	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	2020	86	23000	Residential RSL	136	16	16	0	15	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 253: 2846 S HOLIDAY DR (402-05-070A)										
Metals										
Aluminum	22700	11400	77000	Residential RSL	35600	12	12	0	0	--
Antimony	0.98	0.4	31	Residential RSL	2.42	12	9	0	0	--
Arsenic	104	40.8	194	Residential 10-4 risk	112	27	27	0	0	--
Cadmium	1.5	0.088	70	Residential RSL	0.824	12	10	0	7	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	27.4	11.7	23	Residential RSL	43.6	12	12	1	0	--
Copper	276	31.2	3100	Residential RSL	182	27	27	0	3	--
Cyanide	0.44	0.26	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	81100	22700	55000	Residential RSL	71900	27	27	7	2	--
Lead	99.4	19.2	140	Provisional RSL	N/A	27	27	0	22	--
Lead	99.4	19.2	400	Residential RSL	34.8	27	27	0	22	--
Manganese	6850	778	1800	Residential RSL	1600	27	27	18	23	--
Mercury	1.7	0.059	23	Residential RSL	0.0795	12	10	0	8	--
Silver	0.52	0.068	390	Residential RSL	N/A	12	7	0	N/A	--
Thallium	0.77	0.15	0.78	Residential RSL	2.8	12	10	0	0	--
Zinc	162	70.1	23000	Residential RSL	136	27	27	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2530: 13023 E SWENSONS ALLEY (402-06-063), 2671 S HECLA ST (402-06-062)										
Metals										
Aluminum	17400	17400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	130	31.4	194	Residential 10-4 risk	112	15	15	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.2	10.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	199	34.7	3100	Residential RSL	182	15	15	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38700	24100	55000	Residential RSL	71900	15	15	0	0	--
Lead	7420	44	140	Provisional RSL	N/A	15	15	11	15	--
Lead	7420	44	400	Residential RSL	34.8	15	15	4	15	--
Manganese	677	438	1800	Residential RSL	1600	15	15	0	0	--
Mercury	0.18	0.18	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	2400	142	23000	Residential RSL	136	15	15	0	15	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2532: 2715 S HECLA ST (402-06-071A)										
Metals										
Aluminum	27300	27300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	81.7	17.7	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	0.2	0.2	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.6	10.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	41.4	23.4	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34600	16400	55000	Residential RSL	71900	10	10	0	0	--
Lead	138	11.3	140	Provisional RSL	N/A	10	10	0	4	--
Lead	138	11.3	400	Residential RSL	34.8	10	10	0	4	--
Manganese	753	457	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.058	0.058	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	656	60.4	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2535: 2715 S CALUMET ST (402-06-078A)										
Metals										
Aluminum	20300	20300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	32.5	12.2	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.1	10.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	27.3	21.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36700	25100	55000	Residential RSL	71900	11	11	0	0	--
Lead	42.3	7	140	Provisional RSL	N/A	11	9	0	1	--
Lead	42.3	7	400	Residential RSL	34.8	11	9	0	1	--
Manganese	823	455	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	142	47.7	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2536: 13101 E PHOENIX ST (402-06-077)										
Metals										
Aluminum	19000	19000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	53.9	21.1	194	Residential 10-4 risk	112	14	14	0	0	--
Cadmium	1.3	1.3	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.8	10.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	193	27.5	3100	Residential RSL	182	14	14	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34700	26800	55000	Residential RSL	71900	14	14	0	0	--
Lead	276	15.2	140	Provisional RSL	N/A	14	14	4	11	--
Lead	276	15.2	400	Residential RSL	34.8	14	14	0	11	--
Manganese	714	551	1800	Residential RSL	1600	14	14	0	0	--
Mercury	0.12	0.12	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	554	130	23000	Residential RSL	136	14	14	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2537: 13143 E PHOENIX ST (402-06-085A)										
Metals										
Aluminum	17000	17000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	75	13.1	194	Residential 10-4 risk	112	9	9	0	0	--
Cadmium	0.14	0.14	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.9	8.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	46	26.9	3100	Residential RSL	182	9	9	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39600	23700	55000	Residential RSL	71900	9	9	0	0	--
Lead	199	10.7	140	Provisional RSL	N/A	9	9	1	5	--
Lead	199	10.7	400	Residential RSL	34.8	9	9	0	5	--
Manganese	817	478	1800	Residential RSL	1600	9	9	0	0	--
Mercury	0.015	0.015	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	277	46.5	23000	Residential RSL	136	9	9	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2538: 2714 S DANA ST (402-06-084)										
Metals										
Aluminum	17800	17800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	61.7	17.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.3	10.3	23	Residential RSL	43.6	1	1	0	0	--
Copper	84.2	23.2	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39800	24300	55000	Residential RSL	71900	11	11	0	0	--
Lead	237	9.38	140	Provisional RSL	N/A	11	11	1	9	--
Lead	237	9.38	400	Residential RSL	34.8	11	11	0	9	--
Manganese	950	599	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	515	82.7	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2539: 2715 S DANA ST (402-06-095)										
Metals										
Aluminum	28600	28600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	51.6	15.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18.4	18.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	72.3	27.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	57300	37600	55000	Residential RSL	71900	11	11	1	0	--
Lead	169	15.9	140	Provisional RSL	N/A	11	11	1	8	--
Lead	169	15.9	400	Residential RSL	34.8	11	11	0	8	--
Manganese	1440	566	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.057	0.057	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	425	136	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 254: 2480 S STATE ROUTE 69 (402-08-030L)										
Metals										
Aluminum	21400	14400	77000	Residential RSL	35600	11	11	0	0	--
Antimony	0.83	0.2	31	Residential RSL	2.42	11	9	0	0	--
Arsenic	119	23.4	194	Residential 10-4 risk	112	18	18	0	1	--
Cadmium	1	0.57	70	Residential RSL	0.824	11	6	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.2	11.9	23	Residential RSL	43.6	11	11	0	0	--
Copper	97.8	28.2	3100	Residential RSL	182	18	18	0	0	--
Cyanide	0.41	0.3	21	Residential RSL	N/A	10	4	0	N/A	--
Iron	54100	26700	55000	Residential RSL	71900	18	18	0	0	--
Lead	139	11.9	140	Provisional RSL	N/A	18	18	0	10	--
Lead	139	11.9	400	Residential RSL	34.8	18	18	0	10	--
Manganese	942	528	1800	Residential RSL	1600	18	18	0	0	--
Mercury	0.48	0.048	23	Residential RSL	0.0795	11	11	0	9	--
Silver	0.2	0.036	390	Residential RSL	N/A	11	3	0	N/A	--
Thallium	0.28	0.17	0.78	Residential RSL	2.8	11	3	0	0	--
Zinc	321	57.8	23000	Residential RSL	136	18	17	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2540: 13215 E PHOENIX ST (402-06-094B)										
Metals										
Aluminum	28000	28000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	47.2	16.6	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.3	14.3	23	Residential RSL	43.6	1	1	0	0	--
Copper	56.6	28.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	45400	27800	55000	Residential RSL	71900	11	11	0	0	--
Lead	47.3	17.9	140	Provisional RSL	N/A	11	11	0	3	--
Lead	47.3	17.9	400	Residential RSL	34.8	11	11	0	3	--
Manganese	2010	606	1800	Residential RSL	1600	11	11	1	1	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	239	58.8	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2541: 13219 E PHOENIX ST (402-06-094A)										
Metals										
Aluminum	29800	29800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	44.9	20	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.9	13.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	189	25.3	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	46400	29400	55000	Residential RSL	71900	11	11	0	0	--
Lead	82.5	7.58	140	Provisional RSL	N/A	11	11	0	2	--
Lead	82.5	7.58	400	Residential RSL	34.8	11	11	0	2	--
Manganese	4140	630	1800	Residential RSL	1600	11	11	1	1	--
Mercury	0.45	0.45	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	228	86.6	23000	Residential RSL	136	11	11	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2542: 13221 E PHOENIX ST (402-06-093)										
Metals										
Aluminum	29800	29800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	39.3	16.6	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.4	17.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	122	30.5	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	49800	29500	55000	Residential RSL	71900	11	11	0	0	--
Lead	58.4	25.1	140	Provisional RSL	N/A	11	11	0	7	--
Lead	58.4	25.1	400	Residential RSL	34.8	11	11	0	7	--
Manganese	1630	666	1800	Residential RSL	1600	11	11	0	1	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	248	97.1	23000	Residential RSL	136	11	11	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2545: 13220 E PRESCOTT ST (402-06-098A)										
Metals										
Aluminum	18500	18500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	57.3	26.9	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	1.6	1.6	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.9	17.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	202	33.9	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	47600	32800	55000	Residential RSL	71900	11	11	0	0	--
Lead	121	28.1	140	Provisional RSL	N/A	11	11	0	9	--
Lead	121	28.1	400	Residential RSL	34.8	11	11	0	9	--
Manganese	2220	1030	1800	Residential RSL	1600	11	11	1	1	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	427	71.9	23000	Residential RSL	136	11	11	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2549: 13140 E PRESCOTT ST (402-06-089)										
Metals										
Aluminum	18600	18600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	34.8	22.3	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.9	13.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	76	27.8	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36000	20400	55000	Residential RSL	71900	11	11	0	0	--
Lead	81	11.9	140	Provisional RSL	N/A	11	11	0	10	--
Lead	81	11.9	400	Residential RSL	34.8	11	11	0	10	--
Manganese	1080	593	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.1	0.1	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	344	169	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 255: 2430 S STATE ROUTE 69 (402-08-029K)										
Metals										
Aluminum	21900	12700	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.37	0.16	31	Residential RSL	2.42	10	7	0	0	--
Arsenic	129	8.5	194	Residential 10-4 risk	112	19	19	0	1	--
Cadmium	0.64	0.077	70	Residential RSL	0.824	10	7	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.8	13.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	63.3	22.1	3100	Residential RSL	182	19	19	0	0	--
Cyanide	0.33	0.21	21	Residential RSL	N/A	10	7	0	N/A	--
Iron	48800	22300	55000	Residential RSL	71900	19	19	0	0	--
Lead	64	9.4	140	Provisional RSL	N/A	19	18	0	5	--
Lead	64	9.4	400	Residential RSL	34.8	19	18	0	5	--
Manganese	1090	568	1800	Residential RSL	1600	19	19	0	0	--
Mercury	0.25	0.046	23	Residential RSL	0.0795	10	10	0	4	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.25	0.2	0.78	Residential RSL	2.8	10	6	0	0	--
Zinc	363	60.7	23000	Residential RSL	136	19	19	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2550: 13100 E PRESCOTT ST (402-06-083)										
Metals										
Aluminum	17900	17900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	75	18.9	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	1.6	1.6	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.7	9.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	235	22.4	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	33900	21300	55000	Residential RSL	71900	11	11	0	0	--
Lead	625	31.2	140	Provisional RSL	N/A	11	10	6	9	--
Lead	625	31.2	400	Residential RSL	34.8	11	10	1	9	--
Manganese	709	514	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.2	0.2	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	683	138	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 256: 13220 E THIRD ST (402-07-012D)										
Metals										
Aluminum	30000	16900	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.32	0.2	31	Residential RSL	2.42	10	2	0	0	--
Arsenic	36.2	23.3	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.6	0.58	70	Residential RSL	0.824	10	9	0	8	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	22.9	16.3	23	Residential RSL	43.6	10	10	0	0	--
Copper	335	50.9	3100	Residential RSL	182	10	10	0	5	--
Cyanide	0.46	0.22	21	Residential RSL	N/A	10	6	0	N/A	--
Iron	36400	23400	55000	Residential RSL	71900	10	10	0	0	--
Lead	46.8	12.4	140	Provisional RSL	N/A	10	10	0	3	--
Lead	46.8	12.4	400	Residential RSL	34.8	10	10	0	3	--
Manganese	2710	1600	1800	Residential RSL	1600	10	10	4	10	--
Mercury	0.09	0.048	23	Residential RSL	0.0795	10	6	0	1	--
Silver	0.81	0.58	390	Residential RSL	N/A	10	4	0	N/A	--
Thallium	0.84	0.48	0.78	Residential RSL	2.8	10	4	1	0	--
Zinc	331	65.8	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 257: 2650 S BUTTE ST (402-06-049)										
Metals										
Aluminum	19400	11600	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	28.9	13.9	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.7	0.84	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.8	10.2	23	Residential RSL	43.6	10	10	0	0	--
Copper	113	47.9	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.45	0.21	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	28600	18000	55000	Residential RSL	71900	10	10	0	0	--
Lead	69.9	17	140	Provisional RSL	N/A	10	10	0	7	--
Lead	69.9	17	400	Residential RSL	34.8	10	10	0	7	--
Manganese	800	446	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.31	0.061	23	Residential RSL	0.0795	10	9	0	6	--
Silver	0.71	0.42	390	Residential RSL	N/A	10	7	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	332	79.5	23000	Residential RSL	136	10	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 258 and 00W: 13300 E WELLS ST (402-07-040B)										
Metals										
Aluminum	14800	9860	77000	Residential RSL	35600	10	10	0	0	--
Antimony	1.3	0.25	31	Residential RSL	2.42	10	8	0	0	--
Arsenic	128	18.2	194	Residential 10-4 risk	112	38	22	0	1	--
Cadmium	4	0.4	70	Residential RSL	0.824	10	10	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.1	9.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	421	70.5	3100	Residential RSL	182	10	10	0	5	--
Cyanide	11.6	0.31	21	Residential RSL	N/A	10	10	0	N/A	--
Iron	29700	18800	55000	Residential RSL	71900	10	10	0	0	--
Lead	605	24	140	Provisional RSL	N/A	38	37	5	33	--
Lead	605	24	400	Residential RSL	34.8	38	37	2	33	--
Manganese	1820	572	1800	Residential RSL	1600	10	10	1	1	--
Mercury	0.65	0.084	23	Residential RSL	0.0795	10	10	0	10	--
Silver	2.1	0.071	390	Residential RSL	N/A	10	10	0	N/A	--
Thallium	0.4	0.14	0.78	Residential RSL	2.8	10	5	0	0	--
Zinc	939	117	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 259 and 260: Town of Dewey-Humboldt Right-of-Way (800-27-005T)										
Metals										
Aluminum	25200	11400	77000	Residential RSL	35600	22	22	0	0	Y
Antimony	5.4	0.21	31	Residential RSL	2.42	21	19	0	6	Y
Arsenic	348	15.5	194	Residential 10-4 risk	112	47	44	2	10	Y
Cadmium	28.3	0.39	70	Residential RSL	0.824	22	21	0	17	Y
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.2	7.7	23	Residential RSL	43.6	22	22	0	0	--
Copper	1940	14.9	3100	Residential RSL	182	47	47	0	16	Y
Cyanide	0.6	0.2	21	Residential RSL	N/A	20	15	0	N/A	--
Iron	54400	8980	55000	Residential RSL	71900	44	44	0	0	--
Lead	1820	5.1	140	Provisional RSL	N/A	47	47	14	31	Y
Lead	1820	5.1	400	Residential RSL	34.8	47	47	9	31	Y
Manganese	2410	332	1800	Residential RSL	1600	44	44	4	6	--
Mercury	15.1	0.048	23	Residential RSL	0.0795	21	21	0	17	Y
Silver	9.3	0.048	390	Residential RSL	N/A	22	19	0	N/A	Y
Thallium	0.59	0.14	0.78	Residential RSL	2.8	22	16	0	0	--
Zinc	4860	29.8	23000	Residential RSL	136	47	47	0	34	Y

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2602: 13095 E PRESCOTT ST (402-07-083A)										
Metals										
Aluminum	12300	12300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	863	15.9	194	Residential 10-4 risk	112	14	13	3	4	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	6.5	6.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	217	32.9	3100	Residential RSL	182	14	13	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	81500	18100	55000	Residential RSL	71900	14	14	1	1	--
Lead	20500	8.77	140	Provisional RSL	N/A	14	14	7	12	--
Lead	20500	8.77	400	Residential RSL	34.8	14	14	6	12	--
Manganese	727	342	1800	Residential RSL	1600	14	14	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	4470	56.8	23000	Residential RSL	136	14	14	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2603: 13075 E PRESCOTT ST (402-07-082B)										
Metals										
Aluminum	20500	17000	77000	Residential RSL	35600	3	3	0	0	--
Antimony	1	1	31	Residential RSL	2.42	3	1	0	0	--
Arsenic	170	13.1	194	Residential 10-4 risk	112	20	19	0	1	--
Cadmium	1.8	0.4	70	Residential RSL	0.824	3	2	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.2	8.5	23	Residential RSL	43.6	3	3	0	0	--
Copper	152	25.3	3100	Residential RSL	182	20	20	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36900	18200	55000	Residential RSL	71900	20	20	0	0	--
Lead	372	32.8	140	Provisional RSL	N/A	20	20	4	19	--
Lead	372	32.8	400	Residential RSL	34.8	20	20	0	19	--
Manganese	1050	175	1800	Residential RSL	1600	20	20	0	0	--
Mercury	0.22	0.043	23	Residential RSL	0.0795	3	3	0	2	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	1200	99.8	23000	Residential RSL	136	20	20	0	19	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2606: 2797 S CALUMET ST (402-07-022B)										
Metals										
Aluminum	19100	19100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	86.1	15.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.8	9.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	60.3	28	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35500	20900	55000	Residential RSL	71900	11	11	0	0	--
Lead	101	21.4	140	Provisional RSL	N/A	11	11	0	7	--
Lead	101	21.4	400	Residential RSL	34.8	11	11	0	7	--
Manganese	870	425	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.14	0.14	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	472	91.4	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 261: 13625 E LAZY RIVER DR (402-05-079)										
Metals										
Aluminum	25300	15800	77000	Residential RSL	35600	11	11	0	0	--
Antimony	0.52	0.16	31	Residential RSL	2.42	11	10	0	0	--
Arsenic	100	42.7	194	Residential 10-4 risk	112	27	27	0	0	--
Cadmium	1.7	0.14	70	Residential RSL	0.824	11	10	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	33.1	15.2	23	Residential RSL	43.6	11	11	4	0	--
Copper	121	26.9	3100	Residential RSL	182	27	27	0	0	--
Cyanide	0.37	0.22	21	Residential RSL	N/A	10	6	0	N/A	--
Iron	69100	22500	55000	Residential RSL	71900	27	27	4	0	--
Lead	164	9.38	140	Provisional RSL	N/A	27	27	1	8	--
Lead	164	9.38	400	Residential RSL	34.8	27	27	0	8	--
Manganese	2700	823	1800	Residential RSL	1600	27	27	5	8	--
Mercury	0.14	0.044	23	Residential RSL	0.0795	11	7	0	2	--
Silver	0.2	0.054	390	Residential RSL	N/A	11	6	0	N/A	--
Thallium	1	0.21	0.78	Residential RSL	2.8	11	10	2	0	--
Zinc	198	58	23000	Residential RSL	136	27	27	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2610: 2875 S CALUMET ST (402-07-027)										
Metals										
Aluminum	16300	12900	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	33.7	12.2	194	Residential 10-4 risk	112	11	7	0	0	--
Cadmium	3.4	3.4	70	Residential RSL	0.824	2	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.3	7.5	23	Residential RSL	43.6	2	2	0	0	--
Copper	112	19.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	28600	1070	55000	Residential RSL	71900	11	11	0	0	--
Lead	163	4.23	140	Provisional RSL	N/A	11	11	1	6	--
Lead	163	4.23	400	Residential RSL	34.8	11	11	0	6	--
Manganese	706	264	1800	Residential RSL	1600	11	10	0	0	--
Mercury	0.13	0.13	23	Residential RSL	0.0795	2	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	804	71.9	23000	Residential RSL	136	11	11	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2612: 2850 S BUTTE ST (402-07-025D)										
Metals										
Aluminum	17600	17600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	35.9	10.5	194	Residential 10-4 risk	112	11	9	0	0	--
Cadmium	0.1	0.1	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.4	10.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	28	20.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36300	26600	55000	Residential RSL	71900	11	11	0	0	--
Lead	46.5	7	140	Provisional RSL	N/A	11	7	0	1	--
Lead	46.5	7	400	Residential RSL	34.8	11	7	0	1	--
Manganese	734	485	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.014	0.014	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	134	47.4	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2615: S BUTTE ST (402-07-023B)										
Metals										
Aluminum	24600	24600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	2.1	2.1	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	1110	145	194	Residential 10-4 risk	112	11	11	10	11	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	38.1	38.1	23	Residential RSL	43.6	1	1	1	0	--
Copper	76.2	30.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	113000	39200	55000	Residential RSL	71900	11	11	8	8	--
Lead	128	6.6	140	Provisional RSL	N/A	11	11	0	4	--
Lead	128	6.6	400	Residential RSL	34.8	11	11	0	4	--
Manganese	4510	1030	1800	Residential RSL	1600	11	11	8	8	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	268	61.9	23000	Residential RSL	136	11	11	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 262: 13040 E PHOENIX ST (402-06-066)										
Metals										
Aluminum	17200	11000	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.62	0.16	31	Residential RSL	2.42	10	6	0	0	--
Arsenic	44.7	11.6	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.8	0.7	70	Residential RSL	0.824	10	4	0	3	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.5	10.4	23	Residential RSL	43.6	10	10	0	0	--
Copper	929	31	3100	Residential RSL	182	10	10	0	2	--
Cyanide	0.64	0.39	21	Residential RSL	N/A	10	2	0	N/A	--
Iron	26300	19300	55000	Residential RSL	71900	10	10	0	0	--
Lead	305	15.1	140	Provisional RSL	N/A	10	10	2	5	--
Lead	305	15.1	400	Residential RSL	34.8	10	10	0	5	--
Manganese	753	458	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.33	0.045	23	Residential RSL	0.0795	10	7	0	4	--
Silver	0.74	0.74	390	Residential RSL	N/A	10	1	0	N/A	--
Thallium	0.31	0.16	0.78	Residential RSL	2.8	10	6	0	0	--
Zinc	672	65	23000	Residential RSL	136	10	10	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 263: 2792 S DANA ST (402-07-017N)										
Metals										
Aluminum	20900	14400	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.24	0.23	31	Residential RSL	2.42	10	2	0	0	--
Arsenic	30.7	14.8	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	1.1	0.6	70	Residential RSL	0.824	10	3	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	22.7	11.1	23	Residential RSL	43.6	10	10	0	0	--
Copper	105	35.2	3100	Residential RSL	182	10	10	0	0	--
Cyanide	0.46	0.46	21	Residential RSL	N/A	10	1	0	N/A	--
Iron	25000	20500	55000	Residential RSL	71900	10	10	0	0	--
Lead	75.1	15.5	140	Provisional RSL	N/A	10	10	0	1	--
Lead	75.1	15.5	400	Residential RSL	34.8	10	10	0	1	--
Manganese	975	616	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.24	0.053	23	Residential RSL	0.0795	10	6	0	4	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.19	0.17	0.78	Residential RSL	2.8	10	2	0	0	--
Zinc	155	81.3	23000	Residential RSL	136	10	10	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 265: 2790 S AZURITE ST (402-07-009A)										
Metals										
Aluminum	23100	14200	77000	Residential RSL	35600	10	10	0	0	--
Antimony	0.7	0.28	31	Residential RSL	2.42	10	3	0	0	--
Arsenic	66.4	19.1	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	3.1	1.2	70	Residential RSL	0.824	10	9	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	21.1	13.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	368	80.2	3100	Residential RSL	182	10	10	0	3	--
Cyanide	0.59	0.22	21	Residential RSL	N/A	10	9	0	N/A	--
Iron	34700	20900	55000	Residential RSL	71900	10	10	0	0	--
Lead	196	27.5	140	Provisional RSL	N/A	10	10	2	8	--
Lead	196	27.5	400	Residential RSL	34.8	10	10	0	8	--
Manganese	1720	914	1800	Residential RSL	1600	10	10	0	2	--
Mercury	0.33	0.061	23	Residential RSL	0.0795	10	10	0	9	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	0.48	0.18	0.78	Residential RSL	2.8	10	3	0	0	--
Zinc	1060	143	23000	Residential RSL	136	10	10	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 267: 2689 S HILL ST (402-08-058)										
Metals										
Aluminum	14700	10900	77000	Residential RSL	35600	10	10	0	0	--
Antimony	2.1	0.22	31	Residential RSL	2.42	10	9	0	0	--
Arsenic	128	25.5	194	Residential 10-4 risk	112	10	10	0	2	--
Cadmium	3.9	1.4	70	Residential RSL	0.824	10	9	0	9	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.2	8.6	23	Residential RSL	43.6	10	10	0	0	--
Copper	303	32.2	3100	Residential RSL	182	10	10	0	3	--
Cyanide	0.24	0.13	21	Residential RSL	N/A	10	3	0	N/A	--
Iron	37400	22500	55000	Residential RSL	71900	10	10	0	0	--
Lead	285	24.3	140	Provisional RSL	N/A	10	10	3	9	--
Lead	285	24.3	400	Residential RSL	34.8	10	10	0	9	--
Manganese	871	450	1800	Residential RSL	1600	10	10	0	0	--
Mercury	0.87	0.11	23	Residential RSL	0.0795	10	10	0	10	--
Silver	--	--	390	Residential RSL	N/A	10	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	10	0	0	0	--
Zinc	890	100	23000	Residential RSL	136	10	10	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 268: 2848 S HOLIDAY DR (402-05-070B)										
Metals										
Aluminum	29300	13500	77000	Residential RSL	35600	12	12	0	0	--
Antimony	3.1	0.21	31	Residential RSL	2.42	12	9	0	2	--
Arsenic	124	26.9	194	Residential 10-4 risk	112	27	27	0	2	--
Cadmium	4.6	1.1	70	Residential RSL	0.824	12	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	26.3	13.8	23	Residential RSL	43.6	12	12	4	0	--
Copper	682	31.3	3100	Residential RSL	182	27	27	0	7	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	68100	25900	55000	Residential RSL	71900	27	27	2	0	--
Lead	234	21.4	140	Provisional RSL	N/A	27	27	4	18	--
Lead	234	21.4	400	Residential RSL	34.8	27	27	0	18	--
Manganese	2760	788	1800	Residential RSL	1600	27	27	6	10	--
Mercury	0.34	0.046	23	Residential RSL	0.0795	12	10	0	7	--
Silver	--	--	390	Residential RSL	N/A	12	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	12	0	0	0	--
Zinc	340	71.9	23000	Residential RSL	136	27	27	0	14	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2691: 2845 S HECLA ST (402-07-030C)										
Metals										
Aluminum	11700	11700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	1.5	1.5	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	108	28	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	1.7	1.7	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.9	10.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	197	32.2	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39100	22700	55000	Residential RSL	71900	11	11	0	0	--
Lead	463	37.5	140	Provisional RSL	N/A	11	11	8	11	--
Lead	463	37.5	400	Residential RSL	34.8	11	11	2	11	--
Manganese	679	446	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.44	0.44	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	753	123	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2693: 13231 E PRESCOTT ST (402-07-089D)										
Metals										
Aluminum	25300	25300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	1.1	1.1	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	65	33.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	1.3	1.3	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.2	19.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	160	38.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	63600	37500	55000	Residential RSL	71900	11	11	1	0	--
Lead	139	50.7	140	Provisional RSL	N/A	11	10	0	10	--
Lead	139	50.7	400	Residential RSL	34.8	11	10	0	10	--
Manganese	2380	1210	1800	Residential RSL	1600	11	11	1	1	--
Mercury	0.15	0.15	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	344	109	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2701: 13311 E SHAWNEE LN (402-07-107)										
Metals										
Aluminum	15700	15700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	31.4	15.4	194	Residential 10-4 risk	112	12	12	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.7	12.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	90.6	35.2	3100	Residential RSL	182	12	12	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	31700	23800	55000	Residential RSL	71900	12	12	0	0	--
Lead	57.6	32.9	140	Provisional RSL	N/A	12	12	0	11	--
Lead	57.6	32.9	400	Residential RSL	34.8	12	12	0	11	--
Manganese	740	447	1800	Residential RSL	1600	12	12	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	207	127	23000	Residential RSL	136	12	12	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2702: 13335 E SHAWNEE LN (402-07-108)										
Metals										
Aluminum	26300	26300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	32.5	17.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.7	14.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	104	26.1	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	41000	31700	55000	Residential RSL	71900	11	11	0	0	--
Lead	35.1	12.5	140	Provisional RSL	N/A	11	11	0	1	--
Lead	35.1	12.5	400	Residential RSL	34.8	11	11	0	1	--
Manganese	1090	627	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.091	0.091	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	166	112	23000	Residential RSL	136	11	11	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2704: 13414 E WELLS ST (402-07-051A), 13460 E WELLS ST (402-07-049A)										
Metals										
Aluminum	20800	15600	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	26.9	13.1	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	3	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.9	11	23	Residential RSL	43.6	3	3	0	0	--
Copper	57.5	23.2	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	42300	22600	55000	Residential RSL	71900	17	17	0	0	--
Lead	38.3	10	140	Provisional RSL	N/A	17	17	0	2	--
Lead	38.3	10	400	Residential RSL	34.8	17	17	0	2	--
Manganese	1040	388	1800	Residential RSL	1600	17	17	0	0	--
Mercury	0.046	0.021	23	Residential RSL	0.0795	3	3	0	0	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	155	59.7	23000	Residential RSL	136	17	17	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2707: 13400 E WELLS ST (402-07-047)										
Metals										
Aluminum	17800	17800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	37	16.6	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.1	11.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	119	30.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37900	22500	55000	Residential RSL	71900	11	11	0	0	--
Lead	64.6	21.4	140	Provisional RSL	N/A	11	11	0	4	--
Lead	64.6	21.4	400	Residential RSL	34.8	11	11	0	4	--
Manganese	1130	648	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.19	0.19	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	221	67.9	23000	Residential RSL	136	11	11	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2708: 13370 E WELLS ST (402-07-045A)										
Metals										
Aluminum	24200	24200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	0.66	0.66	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	65	16.6	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	1.1	1.1	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.6	17.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	153	28.2	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39000	25100	55000	Residential RSL	71900	11	11	0	0	--
Lead	348	10	140	Provisional RSL	N/A	11	11	3	8	--
Lead	348	10	400	Residential RSL	34.8	11	11	0	8	--
Manganese	1320	645	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.15	0.15	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	532	103	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2709: 13370 E WELLS ST (402-07-043)										
Metals										
Aluminum	24200	24200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	62.8	23.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.6	14.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	136	28.6	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	33900	25100	55000	Residential RSL	71900	11	11	0	0	--
Lead	542	20.7	140	Provisional RSL	N/A	11	11	1	8	--
Lead	542	20.7	400	Residential RSL	34.8	11	11	1	8	--
Manganese	1050	648	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.32	0.32	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	468	143	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2710: 13356 E WELLS ST (402-07-044A), 13322 E WELLS ST (402-07-044B)										
Metals										
Aluminum	23400	21000	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	58.3	22.3	194	Residential 10-4 risk	112	22	22	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	3	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.5	12.2	23	Residential RSL	43.6	3	3	0	0	--
Copper	138	29.9	3100	Residential RSL	182	22	22	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	79100	26900	55000	Residential RSL	71900	22	22	3	1	--
Lead	270	7.58	140	Provisional RSL	N/A	22	21	2	13	--
Lead	270	7.58	400	Residential RSL	34.8	22	21	0	13	--
Manganese	1970	616	1800	Residential RSL	1600	22	22	2	2	--
Mercury	0.27	0.17	23	Residential RSL	0.0795	3	3	0	3	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	618	62.9	23000	Residential RSL	136	22	22	0	14	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2713B: 2565 S OLD BLACK CANYON HWY (402-07-038), 13280 E WELLS ST (402-07-039)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	56.1	21.1	194	Residential 10-4 risk	112	13	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	46.8	29.1	3100	Residential RSL	182	13	13	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39200	20900	55000	Residential RSL	71900	13	13	0	0	--
Lead	115	30.4	140	Provisional RSL	N/A	13	13	0	12	--
Lead	115	30.4	400	Residential RSL	34.8	13	13	0	12	--
Manganese	1300	564	1800	Residential RSL	1600	13	13	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	1730	90.4	23000	Residential RSL	136	13	13	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2715: 13280 E WELLS ST (402-07-040A)										
Metals										
Aluminum	12800	12800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	38.2	15.4	194	Residential 10-4 risk	112	11	9	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.8	8.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	68.9	28.2	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	27700	8980	55000	Residential RSL	71900	11	11	0	0	--
Lead	93.3	20.7	140	Provisional RSL	N/A	11	11	0	8	--
Lead	93.3	20.7	400	Residential RSL	34.8	11	11	0	8	--
Manganese	926	209	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	447	139	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2718: 2689 S OLD BLACK CANYON HWY (402-07-054)										
Metals										
Aluminum	17400	17400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	87.2	33.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	3.1	3.1	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.1	17.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	472	39.3	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	50300	32800	55000	Residential RSL	71900	11	11	0	0	--
Lead	384	49	140	Provisional RSL	N/A	11	11	8	11	--
Lead	384	49	400	Residential RSL	34.8	11	11	0	11	--
Manganese	2220	878	1800	Residential RSL	1600	11	11	5	6	--
Mercury	0.69	0.69	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	731	207	23000	Residential RSL	136	11	11	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2719: 2724 S JONES ST (402-07-055A)										
Metals										
Aluminum	20900	15500	77000	Residential RSL	35600	2	2	0	0	--
Antimony	45.5	1.1	31	Residential RSL	2.42	2	2	1	1	--
Arsenic	601	31.4	194	Residential 10-4 risk	112	14	14	2	2	--
Cadmium	32.9	1	70	Residential RSL	0.824	2	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	18.5	13.5	23	Residential RSL	43.6	2	2	0	0	--
Copper	2020	38.8	3100	Residential RSL	182	14	14	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	52500	32500	55000	Residential RSL	71900	14	14	0	0	--
Lead	10500	31.2	140	Provisional RSL	N/A	14	14	6	13	--
Lead	10500	31.2	400	Residential RSL	34.8	14	14	4	13	--
Manganese	1930	1110	1800	Residential RSL	1600	14	14	3	4	--
Mercury	2.8	0.23	23	Residential RSL	0.0795	2	2	0	2	--
Silver	12.2	12.2	390	Residential RSL	N/A	2	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	2620	127	23000	Residential RSL	136	14	14	0	13	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2720: 2723 S OLD BLACK CANYON HWY (402-07-055B)										
Metals										
Aluminum	20800	20800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	101	43.8	194	Residential 10-4 risk	112	12	12	0	0	--
Cadmium	4.4	4.4	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	20.9	20.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	373	38	3100	Residential RSL	182	12	12	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	48800	34900	55000	Residential RSL	71900	12	12	0	0	--
Lead	135	37.5	140	Provisional RSL	N/A	12	12	0	12	--
Lead	135	37.5	400	Residential RSL	34.8	12	12	0	12	--
Manganese	1930	1040	1800	Residential RSL	1600	12	12	1	5	--
Mercury	0.28	0.28	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	452	188	23000	Residential RSL	136	12	12	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2723: 2750 S JONES ST (402-07-057)										
Metals										
Aluminum	23400	23400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	50.5	13.1	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.4	13.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	39.9	26.5	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	43400	31300	55000	Residential RSL	71900	11	11	0	0	--
Lead	58.4	13.2	140	Provisional RSL	N/A	11	11	0	1	--
Lead	58.4	13.2	400	Residential RSL	34.8	11	11	0	1	--
Manganese	1800	657	1800	Residential RSL	1600	11	11	1	1	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	281	60.9	23000	Residential RSL	136	11	11	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2724: 2738 S JONES ST (402-07-058)										
Metals										
Aluminum	12700	12700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	41.6	10.9	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.9	8.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	55.2	27.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	58600	19800	55000	Residential RSL	71900	11	11	1	0	--
Lead	81	9.38	140	Provisional RSL	N/A	11	11	0	2	--
Lead	81	9.38	400	Residential RSL	34.8	11	11	0	2	--
Manganese	1580	414	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.015	0.015	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	371	72.1	23000	Residential RSL	136	11	11	0	6	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2725: 2724 S JONES ST (402-07-055A)										
Metals										
Aluminum	30800	21400	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	120	38.2	194	Residential 10-4 risk	112	11	11	0	1	--
Cadmium	2.3	2.3	70	Residential RSL	0.824	2	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.2	18.2	23	Residential RSL	43.6	2	2	0	0	--
Copper	369	40.2	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	55600	31400	55000	Residential RSL	71900	11	11	1	0	--
Lead	287	35.9	140	Provisional RSL	N/A	11	11	3	11	--
Lead	287	35.9	400	Residential RSL	34.8	11	11	0	11	--
Manganese	2350	762	1800	Residential RSL	1600	11	11	5	7	--
Mercury	0.14	0.066	23	Residential RSL	0.0795	2	2	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	1190	118	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2726: 2720 S JONES ST (402-07-059B)										
Metals										
Aluminum	25200	25200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	55	30.3	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.3	19.3	23	Residential RSL	43.6	1	1	0	0	--
Copper	125	36.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	53000	37700	55000	Residential RSL	71900	11	11	0	0	--
Lead	107	31.2	140	Provisional RSL	N/A	11	11	0	10	--
Lead	107	31.2	400	Residential RSL	34.8	11	11	0	10	--
Manganese	2420	1470	1800	Residential RSL	1600	11	11	6	10	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	356	120	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2736: 2733 S JONES ST (402-07-065A)										
Metals										
Aluminum	19100	19100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	110	14.2	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.7	17.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	45.6	22.4	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	58600	34300	55000	Residential RSL	71900	11	11	1	0	--
Lead	25.8	8.17	140	Provisional RSL	N/A	11	9	0	N/A	--
Lead	25.8	8.17	400	Residential RSL	34.8	11	9	0	0	--
Manganese	1630	708	1800	Residential RSL	1600	11	11	0	1	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	171	79.8	23000	Residential RSL	136	11	11	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2740: 13380 E PRESCOTT ST (402-07-069)										
Metals										
Aluminum	21200	21200	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	82.8	20	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.8	12.8	23	Residential RSL	43.6	1	1	0	0	--
Copper	133	35.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34000	27200	55000	Residential RSL	71900	11	11	0	0	--
Lead	65.5	19.3	140	Provisional RSL	N/A	11	11	0	7	--
Lead	65.5	19.3	400	Residential RSL	34.8	11	11	0	7	--
Manganese	1250	606	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.17	0.17	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	277	89.5	23000	Residential RSL	136	11	11	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2741: 13430 E PRESCOTT ST (402-07-074A)										
Metals										
Aluminum	21600	21600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	65	17.9	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12	12	23	Residential RSL	43.6	1	1	0	0	--
Copper	57.2	27.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39500	27000	55000	Residential RSL	71900	11	11	0	0	--
Lead	252	8.77	140	Provisional RSL	N/A	11	11	2	6	--
Lead	252	8.77	400	Residential RSL	34.8	11	11	0	6	--
Manganese	1020	543	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.43	0.43	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	388	84.6	23000	Residential RSL	136	11	11	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2743A: 13496 E PRESCOTT ST (402-07-075E)										
Metals										
Aluminum	20700	20700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	40.4	11.9	194	Residential 10-4 risk	112	24	23	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.5	12.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	55.8	19.4	3100	Residential RSL	182	24	24	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	33400	23800	55000	Residential RSL	71900	24	24	0	0	--
Lead	18.6	5.31	140	Provisional RSL	N/A	24	21	0	N/A	--
Lead	18.6	5.31	400	Residential RSL	34.8	24	21	0	0	--
Manganese	681	414	1800	Residential RSL	1600	24	24	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	108	56.8	23000	Residential RSL	136	24	24	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2743BC: 13488 E PRESCOTT ST (402-07-075G), 13498 E PRESCOTT ST (402-07-075J)										
Metals										
Aluminum	15800	15800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	23.4	13.1	194	Residential 10-4 risk	112	13	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	12.9	12.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	52.1	24.1	3100	Residential RSL	182	13	13	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	36100	22100	55000	Residential RSL	71900	13	13	0	0	--
Lead	22.2	7.58	140	Provisional RSL	N/A	13	13	0	N/A	--
Lead	22.2	7.58	400	Residential RSL	34.8	13	13	0	0	--
Manganese	700	518	1800	Residential RSL	1600	13	13	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	115	43.2	23000	Residential RSL	136	13	13	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2743D: 13580 E LAZY RIVER DR (402-05-001G)										
Metals										
Aluminum	17300	17300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	558	13.1	194	Residential 10-4 risk	112	25	25	2	2	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.4	10.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	38.5	22.4	3100	Residential RSL	182	25	25	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	40700	24500	55000	Residential RSL	71900	25	25	0	0	--
Lead	117	7	140	Provisional RSL	N/A	25	25	0	1	--
Lead	117	7	400	Residential RSL	34.8	25	25	0	1	--
Manganese	1240	536	1800	Residential RSL	1600	25	25	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	404	37.8	23000	Residential RSL	136	25	25	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2743E: 13496 E PRESCOTT ST (402-07-075E)										
Metals										
Aluminum	18600	9580	77000	Residential RSL	35600	4	4	0	0	--
Antimony	--	--	31	Residential RSL	2.42	4	0	0	0	--
Arsenic	33.7	12.1	194	Residential 10-4 risk	112	34	34	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	4	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	17.9	9.3	23	Residential RSL	43.6	4	4	0	0	--
Copper	41.6	20.1	3100	Residential RSL	182	34	34	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34300	23700	55000	Residential RSL	71900	34	34	0	0	--
Lead	12.9	7	140	Provisional RSL	N/A	34	22	0	N/A	--
Lead	12.9	7	400	Residential RSL	34.8	34	22	0	0	--
Manganese	934	371	1800	Residential RSL	1600	34	34	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	4	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	4	0	0	0	--
Zinc	98	42	23000	Residential RSL	136	34	34	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2748: 2698 S GREEN VALLEY WAY (402-05-004)										
Metals										
Aluminum	27600	25400	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	91	26.9	194	Residential 10-4 risk	112	21	21	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	22.8	20.9	23	Residential RSL	43.6	2	2	0	0	--
Copper	110	26.5	3100	Residential RSL	182	21	21	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	60700	26600	55000	Residential RSL	71900	17	17	1	0	--
Lead	337	5.64	140	Provisional RSL	N/A	21	21	1	3	--
Lead	337	5.64	400	Residential RSL	34.8	21	21	0	3	--
Manganese	1440	501	1800	Residential RSL	1600	17	17	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	136	52.7	23000	Residential RSL	136	21	20	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2749: 2610 S GREEN VALLEY WAY (402-05-005)										
Metals										
Aluminum	20000	14100	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	58.3	21.1	194	Residential 10-4 risk	112	16	16	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.6	10.1	23	Residential RSL	43.6	2	2	0	0	--
Copper	54.3	25.9	3100	Residential RSL	182	16	16	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	39100	26900	55000	Residential RSL	71900	16	16	0	0	--
Lead	32.7	6.5	140	Provisional RSL	N/A	16	16	0	N/A	--
Lead	32.7	6.5	400	Residential RSL	34.8	16	16	0	0	--
Manganese	862	482	1800	Residential RSL	1600	16	16	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	171	42.7	23000	Residential RSL	136	16	16	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2752: 13455 E WELLS ST (402-07-076)										
Metals										
Aluminum	18500	18500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	0.56	0.56	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	42.7	15.4	194	Residential 10-4 risk	112	20	17	0	0	--
Cadmium	0.61	0.61	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.6	13.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	93.2	22.4	3100	Residential RSL	182	20	20	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34600	20500	55000	Residential RSL	71900	20	20	0	0	--
Lead	65.5	8.17	140	Provisional RSL	N/A	20	19	0	7	--
Lead	65.5	8.17	400	Residential RSL	34.8	20	19	0	7	--
Manganese	1070	528	1800	Residential RSL	1600	20	20	0	0	--
Mercury	0.16	0.16	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	180	52.7	23000	Residential RSL	136	20	20	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2753: 13395 E WELLS ST (402-07-077A)										
Metals										
Aluminum	23400	23400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	43.8	20	194	Residential 10-4 risk	112	11	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.1	15.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	216	28.4	3100	Residential RSL	182	11	11	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37600	22800	55000	Residential RSL	71900	11	11	0	0	--
Lead	67.3	19.3	140	Provisional RSL	N/A	11	11	0	9	--
Lead	67.3	19.3	400	Residential RSL	34.8	11	11	0	9	--
Manganese	1630	665	1800	Residential RSL	1600	11	11	0	1	--
Mercury	0.17	0.17	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	205	74.9	23000	Residential RSL	136	11	11	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2755: 13363 E WELLS ST (402-07-077E)										
Metals										
Aluminum	23100	19100	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	181	26.9	194	Residential 10-4 risk	112	11	11	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.1	13.4	23	Residential RSL	43.6	2	2	0	0	--
Copper	288	35.2	3100	Residential RSL	182	11	11	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	51000	27500	55000	Residential RSL	71900	11	11	0	0	--
Lead	105	32.7	140	Provisional RSL	N/A	11	11	0	10	--
Lead	105	32.7	400	Residential RSL	34.8	11	11	0	10	--
Manganese	1960	742	1800	Residential RSL	1600	11	11	1	1	--
Mercury	0.18	0.18	23	Residential RSL	0.0795	2	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	279	118	23000	Residential RSL	136	11	11	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2756: 13353 E WELLS ST (402-07-077F)										
Metals										
Aluminum	17500	17500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	69.5	21.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.4	11.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	79.3	35.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37000	27500	55000	Residential RSL	71900	11	11	0	0	--
Lead	109	25.8	140	Provisional RSL	N/A	11	11	0	9	--
Lead	109	25.8	400	Residential RSL	34.8	11	11	0	9	--
Manganese	1050	709	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	320	93.1	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2801: 13555 E LAZY RIVER DR (402-05-069)										
Metals										
Aluminum	58300	24400	77000	Residential RSL	35600	2	2	0	1	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	123	23	194	Residential 10-4 risk	112	17	17	0	1	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	26	21.6	23	Residential RSL	43.6	2	2	1	0	--
Copper	72.7	27.8	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	53100	28600	55000	Residential RSL	71900	17	17	0	0	--
Lead	171	9.38	140	Provisional RSL	N/A	17	17	1	3	--
Lead	171	9.38	400	Residential RSL	34.8	17	17	0	3	--
Manganese	2300	642	1800	Residential RSL	1600	17	17	1	1	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	303	73	23000	Residential RSL	136	17	17	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2804: 2990 S HOLIDAY DR (402-05-072)										
Metals										
Aluminum	51800	30100	77000	Residential RSL	35600	4	4	0	3	--
Antimony	--	--	31	Residential RSL	2.42	4	0	0	0	--
Arsenic	68.1	22	194	Residential 10-4 risk	112	28	28	0	0	--
Cadmium	3.1	0.88	70	Residential RSL	0.824	4	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	31.1	22	23	Residential RSL	43.6	4	4	3	0	--
Copper	420	33	3100	Residential RSL	182	28	28	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	46000	31300	55000	Residential RSL	71900	24	24	0	0	--
Lead	120	17	140	Provisional RSL	N/A	28	28	0	13	--
Lead	120	17	400	Residential RSL	34.8	28	28	0	13	--
Manganese	1150	641	1800	Residential RSL	1600	24	24	0	0	--
Mercury	0.2	0.2	23	Residential RSL	0.0795	3	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	4	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	4	0	0	0	--
Zinc	293	55.8	23000	Residential RSL	136	28	28	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2805: 2800 S GREEN VALLEY WAY (402-05-080D)										
Metals										
Aluminum	25500	22000	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	103	26.9	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	32.9	27.5	23	Residential RSL	43.6	2	2	2	0	--
Copper	93.9	23.7	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	73300	45300	55000	Residential RSL	71900	17	17	9	1	--
Lead	51.5	8.77	140	Provisional RSL	N/A	17	17	0	3	--
Lead	51.5	8.77	400	Residential RSL	34.8	17	17	0	3	--
Manganese	2120	862	1800	Residential RSL	1600	17	17	1	3	--
Mercury	0.042	0.027	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	195	73.9	23000	Residential RSL	136	17	17	0	4	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2806: 2770 S GREEN VALLEY WAY (402-05-080C)										
Metals										
Aluminum	25400	16800	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	134	18.8	194	Residential 10-4 risk	112	17	17	0	3	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	23.6	9.2	23	Residential RSL	43.6	2	2	1	0	--
Copper	60.7	26.1	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	67500	27200	55000	Residential RSL	71900	17	17	2	0	--
Lead	36.7	7.58	140	Provisional RSL	N/A	17	16	0	1	--
Lead	36.7	7.58	400	Residential RSL	34.8	17	16	0	1	--
Manganese	3330	447	1800	Residential RSL	1600	17	17	4	4	--
Mercury	0.029	0.023	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	186	59.9	23000	Residential RSL	136	17	17	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2807: 2845 S HOLIDAY DR (402-05-077B)										
Metals										
Aluminum	29800	23000	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	77.2	37	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	24.3	19.3	23	Residential RSL	43.6	2	2	1	0	--
Copper	156	31.3	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	84400	31700	55000	Residential RSL	71900	17	17	13	4	--
Lead	55.2	19.3	140	Provisional RSL	N/A	17	17	0	4	--
Lead	55.2	19.3	400	Residential RSL	34.8	17	17	0	4	--
Manganese	3570	1210	1800	Residential RSL	1600	17	17	15	16	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	0.36	0.36	0.78	Residential RSL	2.8	2	1	0	0	--
Zinc	133	59.9	23000	Residential RSL	136	17	17	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2808: 2850 S GREEN VALLEY WAY (402-05-077A)										
Metals										
Aluminum	35600	24900	77000	Residential RSL	35600	2	2	0	1	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	406	47	194	Residential 10-4 risk	112	17	17	1	1	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.5	19	23	Residential RSL	43.6	2	2	0	0	--
Copper	86.2	28.2	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	88100	40900	55000	Residential RSL	71900	17	17	12	2	--
Lead	36.7	8.17	140	Provisional RSL	N/A	17	17	0	1	--
Lead	36.7	8.17	400	Residential RSL	34.8	17	17	0	1	--
Manganese	3120	1530	1800	Residential RSL	1600	17	17	12	16	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	0.26	0.26	0.78	Residential RSL	2.8	2	1	0	0	--
Zinc	196	65.5	23000	Residential RSL	136	17	17	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2810: 2990 S GREEN VALLEY WAY (402-05-074)										
Metals										
Aluminum	25700	25700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	79.4	13.1	194	Residential 10-4 risk	112	17	17	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	23.6	23.6	23	Residential RSL	43.6	1	1	1	0	--
Copper	68.7	27.3	3100	Residential RSL	182	17	17	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	91500	26600	55000	Residential RSL	71900	17	17	11	6	--
Lead	56.7	21.4	140	Provisional RSL	N/A	17	17	0	10	--
Lead	56.7	21.4	400	Residential RSL	34.8	17	17	0	10	--
Manganese	4980	1370	1800	Residential RSL	1600	17	17	13	14	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	129	43.2	23000	Residential RSL	136	17	17	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2901: 3150 S GREEN VALLEY WAY (402-11-032A)										
Metals										
Aluminum	23800	19700	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	290	18.9	194	Residential 10-4 risk	112	24	24	2	9	--
Cadmium	0.6	0.21	70	Residential RSL	0.824	2	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	28.8	28	23	Residential RSL	43.6	2	2	2	0	--
Copper	106	25.7	3100	Residential RSL	182	24	24	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	103000	33800	55000	Residential RSL	71900	24	24	21	13	--
Lead	136	7	140	Provisional RSL	N/A	24	24	0	7	--
Lead	136	7	400	Residential RSL	34.8	24	24	0	7	--
Manganese	5290	714	1800	Residential RSL	1600	24	24	5	9	--
Mercury	0.059	0.059	23	Residential RSL	0.0795	1	1	0	0	--
Silver	0.18	0.033	390	Residential RSL	N/A	2	2	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	277	39.9	23000	Residential RSL	136	24	20	0	3	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 2903: 3125 S GREEN VALLEY WAY (402-11-033H)										
Metals										
Aluminum	36300	25900	77000	Residential RSL	35600	2	2	0	1	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	170	42.7	194	Residential 10-4 risk	112	26	26	0	8	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	58.9	40.6	23	Residential RSL	43.6	2	2	2	1	--
Copper	139	23.9	3100	Residential RSL	182	26	26	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	115000	64200	55000	Residential RSL	71900	23	23	23	20	--
Lead	42.3	9.2	140	Provisional RSL	N/A	26	18	0	2	--
Lead	42.3	9.2	400	Residential RSL	34.8	26	18	0	2	--
Manganese	9630	942	1800	Residential RSL	1600	23	23	15	15	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	177	51.6	23000	Residential RSL	136	26	26	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3001: 13030 E AGUA FRIA RANCH RD (402-11-046C)										
Metals										
Aluminum	26200	22200	77000	Residential RSL	35600	3	3	0	0	--
Antimony	--	--	31	Residential RSL	2.42	3	0	0	0	--
Arsenic	132	15.4	194	Residential 10-4 risk	112	32	31	0	3	--
Cadmium	3.3	0.21	70	Residential RSL	0.824	3	3	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	32.5	20.4	23	Residential RSL	43.6	3	3	1	0	--
Copper	626	18	3100	Residential RSL	182	32	32	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	85700	17600	55000	Residential RSL	71900	32	32	19	5	--
Lead	187	5.86	140	Provisional RSL	N/A	32	31	4	16	--
Lead	187	5.86	400	Residential RSL	34.8	32	31	0	16	--
Manganese	1460	600	1800	Residential RSL	1600	32	32	0	0	--
Mercury	0.31	0.14	23	Residential RSL	0.0795	3	2	0	2	--
Silver	--	--	390	Residential RSL	N/A	3	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	3	0	0	0	--
Zinc	366	80.8	23000	Residential RSL	136	32	32	0	17	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3004: 13290 E MAGGY TRL (402-11-047C)										
Metals										
Aluminum	54400	54400	77000	Residential RSL	35600	1	1	0	1	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	297	17.7	194	Residential 10-4 risk	112	18	18	4	7	--
Cadmium	4.7	4.7	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	45.6	45.6	23	Residential RSL	43.6	1	1	1	1	--
Copper	634	27.5	3100	Residential RSL	182	18	18	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	92900	25000	55000	Residential RSL	71900	18	18	13	4	--
Lead	694	10	140	Provisional RSL	N/A	18	18	6	8	--
Lead	694	10	400	Residential RSL	34.8	18	18	3	8	--
Manganese	1710	501	1800	Residential RSL	1600	18	18	0	4	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	454	47.4	23000	Residential RSL	136	18	14	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3005: E MAGGY TRAIL (402-11-038Y)										
Metals										
Aluminum	32800	29500	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	262	23.4	194	Residential 10-4 risk	112	23	23	5	13	--
Cadmium	2.9	1.6	70	Residential RSL	0.824	2	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	48.1	36.6	23	Residential RSL	43.6	2	2	2	1	--
Copper	473	23.2	3100	Residential RSL	182	23	23	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	72100	27000	55000	Residential RSL	71900	23	23	11	1	--
Lead	531	8.17	140	Provisional RSL	N/A	23	23	9	18	--
Lead	531	8.17	400	Residential RSL	34.8	23	23	1	18	--
Manganese	1780	511	1800	Residential RSL	1600	23	23	0	1	--
Mercury	0.18	0.18	23	Residential RSL	0.0795	2	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	424	78.8	23000	Residential RSL	136	23	23	0	19	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3006A: E MAGGY TRAIL (402-11-038Z)										
Metals										
Aluminum	32300	29000	77000	Residential RSL	35600	2	2	0	0	--
Antimony	0.7	0.7	31	Residential RSL	2.42	2	1	0	0	--
Arsenic	264	25.7	194	Residential 10-4 risk	112	17	17	1	1	--
Cadmium	1.3	0.96	70	Residential RSL	0.824	2	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	32.5	28.6	23	Residential RSL	43.6	2	2	2	0	--
Copper	211	33	3100	Residential RSL	182	17	17	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	93000	39600	55000	Residential RSL	71900	17	17	10	3	--
Lead	251	18.6	140	Provisional RSL	N/A	17	17	3	13	--
Lead	251	18.6	400	Residential RSL	34.8	17	17	0	13	--
Manganese	2660	609	1800	Residential RSL	1600	17	17	1	1	--
Mercury	0.077	0.06	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	234	56.8	23000	Residential RSL	136	17	17	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3006B: 3718 S GREEN VALLEY WAY (402-11-072E)										
Metals										
Aluminum	46900	41300	77000	Residential RSL	35600	2	2	0	2	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	106	23.4	194	Residential 10-4 risk	112	23	23	0	0	--
Cadmium	0.74	0.08	70	Residential RSL	0.824	2	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	39.2	29.7	23	Residential RSL	43.6	2	2	2	0	--
Copper	136	35.8	3100	Residential RSL	182	23	23	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	79900	53500	55000	Residential RSL	71900	23	23	21	3	--
Lead	117	4.7	140	Provisional RSL	N/A	23	23	0	12	--
Lead	117	4.7	400	Residential RSL	34.8	23	23	0	12	--
Manganese	1990	789	1800	Residential RSL	1600	23	23	1	5	--
Mercury	0.033	0.015	23	Residential RSL	0.0795	2	2	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	226	35.6	23000	Residential RSL	136	23	23	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3008: E MAGGY TRAIL (402-11-038G)										
Metals										
Aluminum	42000	34900	77000	Residential RSL	35600	2	2	0	1	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	220	49	194	Residential 10-4 risk	112	23	23	3	14	--
Cadmium	0.19	0.19	70	Residential RSL	0.824	2	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	46.4	32.9	23	Residential RSL	43.6	2	2	2	1	--
Copper	207	32.7	3100	Residential RSL	182	23	23	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	92500	50700	55000	Residential RSL	71900	23	23	22	9	--
Lead	196	7.1	140	Provisional RSL	N/A	23	22	6	19	--
Lead	196	7.1	400	Residential RSL	34.8	23	22	0	19	--
Manganese	1710	1010	1800	Residential RSL	1600	23	23	0	2	--
Mercury	0.019	0.019	23	Residential RSL	0.0795	2	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	330	91.7	23000	Residential RSL	136	23	23	0	20	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3009: 13250 E Maggy TRL (402-11-047B)										
Metals										
Aluminum	39000	30500	77000	Residential RSL	35600	2	2	0	1	--
Antimony	4.5	1.5	31	Residential RSL	2.42	2	2	0	1	--
Arsenic	434	25.7	194	Residential 10-4 risk	112	23	23	2	6	--
Cadmium	5.9	4.2	70	Residential RSL	0.824	2	2	0	2	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	53	42.3	23	Residential RSL	43.6	2	2	2	1	--
Copper	1930	35.9	3100	Residential RSL	182	23	23	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	81900	33500	55000	Residential RSL	71900	23	23	6	5	--
Lead	255	7.58	140	Provisional RSL	N/A	23	23	4	19	--
Lead	255	7.58	400	Residential RSL	34.8	23	23	0	19	--
Manganese	1630	706	1800	Residential RSL	1600	23	23	0	1	--
Mercury	3.1	0.26	23	Residential RSL	0.0795	2	2	0	2	--
Silver	6.1	6.1	390	Residential RSL	N/A	2	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	633	35.6	23000	Residential RSL	136	23	22	0	16	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3010: E AGUA FRIA RANCH RD (402-11-038L)										
Metals										
Aluminum	22500	20100	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	277	36.1	194	Residential 10-4 risk	112	19	19	3	11	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	52.1	22.5	23	Residential RSL	43.6	2	2	1	1	--
Copper	547	41.2	3100	Residential RSL	182	19	19	0	2	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	108000	34400	55000	Residential RSL	71900	17	17	15	12	--
Lead	188	5.3	140	Provisional RSL	N/A	19	19	5	12	--
Lead	188	5.3	400	Residential RSL	34.8	19	19	0	12	--
Manganese	2740	768	1800	Residential RSL	1600	17	17	3	8	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	324	37.8	23000	Residential RSL	136	19	18	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3011: E WINDING VIEW DR (402-11-069F)										
Metals										
Aluminum	29800	29800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	171	25.7	194	Residential 10-4 risk	112	17	17	0	7	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	32.1	32.1	23	Residential RSL	43.6	1	1	1	0	--
Copper	209	26.3	3100	Residential RSL	182	17	17	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	82600	27700	55000	Residential RSL	71900	17	17	13	6	--
Lead	135	7.58	140	Provisional RSL	N/A	17	16	0	9	--
Lead	135	7.58	400	Residential RSL	34.8	17	16	0	9	--
Manganese	1660	506	1800	Residential RSL	1600	17	17	0	1	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	312	73.9	23000	Residential RSL	136	17	17	0	11	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3012: E WINDING VIEW DR (402-11-069H)										
Metals										
Aluminum	34800	26400	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	190	42.1	194	Residential 10-4 risk	112	17	17	0	10	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	33.2	23.3	23	Residential RSL	43.6	2	2	2	0	--
Copper	344	34.2	3100	Residential RSL	182	17	17	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	86900	55200	55000	Residential RSL	71900	17	17	17	13	--
Lead	154	8.17	140	Provisional RSL	N/A	17	17	2	12	--
Lead	154	8.17	400	Residential RSL	34.8	17	17	0	12	--
Manganese	1640	794	1800	Residential RSL	1600	17	17	0	2	--
Mercury	0.18	0.019	23	Residential RSL	0.0795	2	2	0	1	--
Silver	0.58	0.15	390	Residential RSL	N/A	2	2	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	326	98.7	23000	Residential RSL	136	17	17	0	14	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3013A: E WINDING VIEW DR (402-11-069K)										
Metals										
Aluminum	40900	40600	77000	Residential RSL	35600	2	2	0	2	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	154	18.9	194	Residential 10-4 risk	112	19	19	0	7	--
Cadmium	3.9	0.33	70	Residential RSL	0.824	2	2	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	50.9	48.3	23	Residential RSL	43.6	2	2	2	2	--
Copper	772	34.5	3100	Residential RSL	182	19	19	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	93400	42100	55000	Residential RSL	71900	19	19	17	9	--
Lead	128	7.9	140	Provisional RSL	N/A	19	19	0	12	--
Lead	128	7.9	400	Residential RSL	34.8	19	19	0	12	--
Manganese	2360	734	1800	Residential RSL	1600	19	19	1	1	--
Mercury	0.23	0.053	23	Residential RSL	0.0795	2	2	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	327	50.6	23000	Residential RSL	136	19	16	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3013B: E WINDING VIEW DR (402-11-069L)										
Metals										
Aluminum	33700	31900	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	144	16.6	194	Residential 10-4 risk	112	15	15	0	2	--
Cadmium	2.6	0.26	70	Residential RSL	0.824	2	2	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	42.5	30.3	23	Residential RSL	43.6	2	2	2	0	--
Copper	592	29.4	3100	Residential RSL	182	15	15	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	72500	34100	55000	Residential RSL	71900	15	15	9	1	--
Lead	165	10.1	140	Provisional RSL	N/A	15	15	1	9	--
Lead	165	10.1	400	Residential RSL	34.8	15	15	0	9	--
Manganese	2000	681	1800	Residential RSL	1600	15	15	1	1	--
Mercury	0.12	0.12	23	Residential RSL	0.0795	2	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	294	38.8	23000	Residential RSL	136	15	15	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 3015: 13225 E WINDING VIEW DR (402-11-069N)										
Metals										
Aluminum	31900	30300	77000	Residential RSL	35600	2	2	0	0	--
Antimony	3.4	3.4	31	Residential RSL	2.42	1	1	0	1	--
Arsenic	311	20	194	Residential 10-4 risk	112	22	22	6	14	--
Cadmium	1.9	1.9	70	Residential RSL	0.824	2	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	33.6	13.4	23	Residential RSL	43.6	2	2	1	0	--
Copper	191	31.2	3100	Residential RSL	182	22	22	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	103000	41900	55000	Residential RSL	71900	20	20	16	10	--
Lead	241	4.23	140	Provisional RSL	N/A	22	21	3	12	--
Lead	241	4.23	400	Residential RSL	34.8	22	21	0	12	--
Manganese	2630	679	1800	Residential RSL	1600	20	20	2	3	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	7.8	7.8	390	Residential RSL	N/A	2	1	0	N/A	--
Thallium	0.6	0.6	0.78	Residential RSL	2.8	2	1	0	0	--
Zinc	346	69.9	23000	Residential RSL	136	22	22	0	12	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 303: 2860 S AZURITE ST (402-07-011A)										
Metals										
Aluminum	28300	23800	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	44.9	18.6	194	Residential 10-4 risk	112	13	13	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	2	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	16.2	11.9	23	Residential RSL	43.6	2	2	0	0	--
Copper	139	35.9	3100	Residential RSL	182	13	13	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	46500	31100	55000	Residential RSL	71900	13	13	0	0	--
Lead	49.8	9.8	140	Provisional RSL	N/A	13	13	0	4	--
Lead	49.8	9.8	400	Residential RSL	34.8	13	13	0	4	--
Manganese	1840	830	1800	Residential RSL	1600	13	13	1	1	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	267	74.7	23000	Residential RSL	136	13	13	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 307: 12982 E MAIN ST (402-10-029A)										
Metals										
Aluminum	21000	21000	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	62.2	15.4	194	Residential 10-4 risk	112	13	13	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.7	9.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	67.3	22.7	3100	Residential RSL	182	13	13	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	65600	26600	55000	Residential RSL	71900	13	13	1	0	--
Lead	171	7	140	Provisional RSL	N/A	13	13	1	5	--
Lead	171	7	400	Residential RSL	34.8	13	13	0	5	--
Manganese	1150	503	1800	Residential RSL	1600	13	13	0	0	--
Mercury	0.25	0.25	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	504	94.2	23000	Residential RSL	136	13	12	0	8	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 308: 2855 S CALUMET ST (402-07-019A)										
Metals										
Aluminum	15300	15300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	78.3	24.6	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.3	9.3	23	Residential RSL	43.6	1	1	0	0	--
Copper	142	25.9	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	37600	23100	55000	Residential RSL	71900	11	11	0	0	--
Lead	376	25.8	140	Provisional RSL	N/A	11	11	4	9	--
Lead	376	25.8	400	Residential RSL	34.8	11	11	0	9	--
Manganese	703	458	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.44	0.44	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	700	134	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 309: 2975 S OMEGA DR (402-08-071K)										
Metals										
Aluminum	18900	18900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	256	15.4	194	Residential 10-4 risk	112	11	11	1	1	--
Cadmium	0.18	0.18	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	29.7	29.7	23	Residential RSL	43.6	1	1	1	0	--
Copper	65.9	22.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	58500	25200	55000	Residential RSL	71900	11	11	1	0	--
Lead	19.3	7.8	140	Provisional RSL	N/A	11	11	0	N/A	--
Lead	19.3	7.8	400	Residential RSL	34.8	11	11	0	0	--
Manganese	5600	477	1800	Residential RSL	1600	11	11	1	1	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	78.2	39.9	23000	Residential RSL	136	11	11	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 310: 12858 E CHAPARRAL ST (402-10-020A)										
Metals										
Aluminum	19100	19100	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	37	18.9	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.2	8.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	42.9	26.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30800	18900	55000	Residential RSL	71900	11	11	0	0	--
Lead	206	15.2	140	Provisional RSL	N/A	11	11	1	10	--
Lead	206	15.2	400	Residential RSL	34.8	11	11	0	10	--
Manganese	894	379	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.079	0.079	23	Residential RSL	0.0795	1	1	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	265	106	23000	Residential RSL	136	11	10	0	7	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 311: 2746 S CALUMET ST (402-06-076)										
Metals										
Aluminum	15800	15800	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	32.5	18.9	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.75	0.75	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8	8	23	Residential RSL	43.6	1	1	0	0	--
Copper	54.8	21.3	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	30900	20900	55000	Residential RSL	71900	11	11	0	0	--
Lead	57.6	11.3	140	Provisional RSL	N/A	11	11	0	3	--
Lead	57.6	11.3	400	Residential RSL	34.8	11	11	0	3	--
Manganese	934	419	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.13	0.13	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	363	81.7	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 40W: 13340 E WELLS ST (402-07-044D)										
Metals										
Aluminum	11500	11500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	1.9	1.9	31	Residential RSL	2.42	1	1	0	0	--
Arsenic	58.3	42.7	194	Residential 10-4 risk	112	15	4	0	0	--
Cadmium	1	1	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13.9	13.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	119	119	3100	Residential RSL	182	1	1	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	25400	25400	55000	Residential RSL	71900	1	1	0	0	--
Lead	78.2	31.2	140	Provisional RSL	N/A	15	10	0	8	--
Lead	78.2	31.2	400	Residential RSL	34.8	15	10	0	8	--
Manganese	881	881	1800	Residential RSL	1600	1	1	0	0	--
Mercury	0.09	0.09	23	Residential RSL	0.0795	1	1	0	1	--
Silver	2.7	2.7	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	139	139	23000	Residential RSL	136	1	1	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 42269W: E WINDING VIEW DR (402-02-269W)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	27.9	10.7	194	Residential 10-4 risk	112	2	2	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	67	42.2	3100	Residential RSL	182	2	2	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	0	0	0	0	--
Lead	35.4	14.1	140	Provisional RSL	N/A	2	2	0	1	--
Lead	35.4	14.1	400	Residential RSL	34.8	2	2	0	1	--
Manganese	--	--	1800	Residential RSL	1600	0	0	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	157	71.7	23000	Residential RSL	136	2	2	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 45065: 13783 E BRADSHAW RD (402-05-065)										
Metals										
Aluminum	24900	15400	77000	Residential RSL	35600	10	10	0	0	--
Antimony	--	--	31	Residential RSL	2.42	10	0	0	0	--
Arsenic	48.7	28.3	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	2.6	1.6	70	Residential RSL	0.824	10	10	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	19.3	12.3	23	Residential RSL	43.6	10	10	0	0	--
Copper	109	58.5	3100	Residential RSL	182	10	10	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	10	0	0	N/A	--
Iron	36600	29100	55000	Residential RSL	71900	10	10	0	0	--
Lead	27.8	11.3	140	Provisional RSL	N/A	10	10	0	N/A	--
Lead	27.8	11.3	400	Residential RSL	34.8	10	10	0	0	--
Manganese	2470	709	1800	Residential RSL	1600	10	10	2	2	--
Mercury	0.049	0.049	23	Residential RSL	0.0795	10	1	0	0	--
Silver	0.23	0.057	390	Residential RSL	N/A	10	5	0	N/A	--
Thallium	2.5	0.47	0.78	Residential RSL	2.8	10	6	5	0	--
Zinc	85.8	59.9	23000	Residential RSL	136	10	10	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 45066: 2711 S GREEN VALLEY WAY (402-05-066)										
Metals										
Aluminum	35900	13300	77000	Residential RSL	35600	30	30	0	1	--
Antimony	7.3	0.75	31	Residential RSL	2.42	30	10	0	1	--
Arsenic	212	27	194	Residential 10-4 risk	112	30	30	1	1	--
Cadmium	1.6	0.072	70	Residential RSL	0.824	30	12	0	10	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	27.9	13.8	23	Residential RSL	43.6	30	30	8	0	--
Copper	201	39.7	3100	Residential RSL	182	30	30	0	1	--
Cyanide	0.27	0.27	21	Residential RSL	N/A	30	1	0	N/A	--
Iron	66900	26400	55000	Residential RSL	71900	30	30	7	0	--
Lead	55.6	7.4	140	Provisional RSL	N/A	30	30	0	4	--
Lead	55.6	7.4	400	Residential RSL	34.8	30	30	0	4	--
Manganese	7880	732	1800	Residential RSL	1600	30	30	2	3	--
Mercury	0.082	0.014	23	Residential RSL	0.0795	30	9	0	1	--
Silver	--	--	390	Residential RSL	N/A	30	0	0	N/A	--
Thallium	6.1	0.62	0.78	Residential RSL	2.8	30	26	23	8	--
Zinc	157	53.4	23000	Residential RSL	136	30	30	0	2	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID 80J: 2680 S JONES ST (402-07-060A)										
Metals										
Aluminum	14300	14300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	3.1	3.1	31	Residential RSL	2.42	1	1	0	1	--
Arsenic	52.8	41.6	194	Residential 10-4 risk	112	33	5	0	0	--
Cadmium	2.8	2.8	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	21.4	21.4	23	Residential RSL	43.6	1	1	0	0	--
Copper	301	301	3100	Residential RSL	182	1	1	0	1	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	42400	42400	55000	Residential RSL	71900	1	1	0	0	--
Lead	306	31.2	140	Provisional RSL	N/A	33	28	1	25	--
Lead	306	31.2	400	Residential RSL	34.8	33	28	0	25	--
Manganese	1640	1640	1800	Residential RSL	1600	1	1	0	1	--
Mercury	0.21	0.21	23	Residential RSL	0.0795	1	1	0	1	--
Silver	4.8	4.8	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	432	432	23000	Residential RSL	136	1	1	0	1	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O03: 12514 E YAVAPAI ST (402-08-019R)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	160	36	194	Residential 10-4 risk	112	10	10	0	3	Y
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	--	--	3100	Residential RSL	182	0	0	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	0	0	0	0	--
Lead	79	18	140	Provisional RSL	N/A	10	10	0	4	Y
Lead	79	18	400	Residential RSL	34.8	10	10	0	4	Y
Manganese	--	--	1800	Residential RSL	1600	0	0	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	--	--	23000	Residential RSL	136	0	0	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O06: 12755 E MAIN ST (402-08-044A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	75	13	194	Residential 10-4 risk	112	10	10	0	0	Y
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	--	--	3100	Residential RSL	182	0	0	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	0	0	0	0	--
Lead	85	8.9	140	Provisional RSL	N/A	10	10	0	7	Y
Lead	85	8.9	400	Residential RSL	34.8	10	10	0	7	Y
Manganese	--	--	1800	Residential RSL	1600	0	0	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	--	--	23000	Residential RSL	136	0	0	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O07: 2005 EPA Removal Assessment Data (E & E, 2005)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	570	21	194	Residential 10-4 risk	112	10	10	1	1	Y
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	--	--	3100	Residential RSL	182	0	0	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	0	0	0	0	--
Lead	100	8.9	140	Provisional RSL	N/A	10	10	0	8	Y
Lead	100	8.9	400	Residential RSL	34.8	10	10	0	8	Y
Manganese	--	--	1800	Residential RSL	1600	0	0	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	--	--	23000	Residential RSL	136	0	0	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O07A: 12755 E MAIN ST (402-08-044B)										
Metals										
Aluminum	21900	21900	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	48.3	23.7	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.51	0.51	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	13	13	23	Residential RSL	43.6	1	1	0	0	--
Copper	63.3	23.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	35700	29000	55000	Residential RSL	71900	11	11	0	0	--
Lead	73.6	9.38	140	Provisional RSL	N/A	11	11	0	7	--
Lead	73.6	9.38	400	Residential RSL	34.8	11	11	0	7	--
Manganese	758	528	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	288	106	23000	Residential RSL	136	11	11	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O07B: S FIRST ST (402-08-044F)										
Metals										
Aluminum	25700	25700	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	352	21.1	194	Residential 10-4 risk	112	11	11	1	1	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.9	14.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	89.4	27.5	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	69100	24800	55000	Residential RSL	71900	11	11	1	0	--
Lead	1170	14.5	140	Provisional RSL	N/A	11	11	1	6	--
Lead	1170	14.5	400	Residential RSL	34.8	11	11	1	6	--
Manganese	735	387	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.26	0.26	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	618	97.1	23000	Residential RSL	136	11	11	0	9	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O07C: 12735 E MAIN ST (402-08-044E)										
Metals										
Aluminum	16600	16600	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	76.1	23.4	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.87	0.87	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	15.6	15.6	23	Residential RSL	43.6	1	1	0	0	--
Copper	51.7	23.2	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	40500	25100	55000	Residential RSL	71900	11	11	0	0	--
Lead	88.5	15.9	140	Provisional RSL	N/A	11	11	0	6	--
Lead	88.5	15.9	400	Residential RSL	34.8	11	11	0	6	--
Manganese	808	501	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	328	118	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O07D: S FIRST ST (402-08-044D)										
Metals										
Aluminum	17400	17400	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	40.4	26.9	194	Residential 10-4 risk	112	11	11	0	0	--
Cadmium	0.55	0.55	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	14.1	14.1	23	Residential RSL	43.6	1	1	0	0	--
Copper	42.3	24.1	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	40900	30800	55000	Residential RSL	71900	11	11	0	0	--
Lead	36.7	14.5	140	Provisional RSL	N/A	11	10	0	1	--
Lead	36.7	14.5	400	Residential RSL	34.8	11	10	0	1	--
Manganese	751	565	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	0.16	0.16	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	216	85.6	23000	Residential RSL	136	11	11	0	10	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O08: 2830 S FIRST ST (402-08-066M)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	240	16	194	Residential 10-4 risk	112	10	10	1	1	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	--	--	3100	Residential RSL	182	0	0	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	0	0	0	0	--
Lead	280	7.6	140	Provisional RSL	N/A	10	10	1	2	--
Lead	280	7.6	400	Residential RSL	34.8	10	10	0	2	--
Manganese	--	--	1800	Residential RSL	1600	0	0	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	--	--	23000	Residential RSL	136	0	0	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O09: 12679 E RICHARDS LN (402-08-040A)										
Metals										
Aluminum	14300	14300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	75	9.7	194	Residential 10-4 risk	112	21	21	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	1	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.9	9.9	23	Residential RSL	43.6	1	1	0	0	--
Copper	32.4	20.7	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	34300	23800	55000	Residential RSL	71900	11	11	0	0	--
Lead	74.5	13	140	Provisional RSL	N/A	21	21	0	5	--
Lead	74.5	13	400	Residential RSL	34.8	21	21	0	5	--
Manganese	950	432	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.17	0.17	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	260	126	23000	Residential RSL	136	11	11	0	9	--

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Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O10: 12749 E VALLEY ST (402-10-061A)										
Metals										
Aluminum	15500	15500	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	63.9	17.7	194	Residential 10-4 risk	112	21	21	0	0	--
Cadmium	0.49	0.49	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	9.7	9.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	44.5	21	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	38800	29700	55000	Residential RSL	71900	11	11	0	0	--
Lead	227	13	140	Provisional RSL	N/A	21	21	1	13	--
Lead	227	13	400	Residential RSL	34.8	21	21	0	13	--
Manganese	777	529	1800	Residential RSL	1600	11	11	0	0	--
Mercury	0.14	0.14	23	Residential RSL	0.0795	1	1	0	1	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	324	150	23000	Residential RSL	136	11	11	0	11	--

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Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O11: 12690 E RICHARDS LN (402-10-061B)										
Metals										
Aluminum	22500	14000	77000	Residential RSL	35600	2	2	0	0	--
Antimony	--	--	31	Residential RSL	2.42	2	0	0	0	--
Arsenic	86	7.8	194	Residential 10-4 risk	112	21	20	0	0	--
Cadmium	0.29	0.24	70	Residential RSL	0.824	2	2	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	36.2	10.8	23	Residential RSL	43.6	2	2	1	0	--
Copper	122	25	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	45500	26500	55000	Residential RSL	71900	11	11	0	0	--
Lead	1300	11.2	140	Provisional RSL	N/A	21	19	1	6	--
Lead	1300	11.2	400	Residential RSL	34.8	21	19	1	6	--
Manganese	1030	477	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	2	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	2	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	2	0	0	0	--
Zinc	161	49.5	23000	Residential RSL	136	11	11	0	1	--

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Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O12: 12712 E RICHARDS LN (402-10-062)										
Metals										
Aluminum	12300	12300	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	71.7	10.7	194	Residential 10-4 risk	112	21	21	0	0	--
Cadmium	0.1	0.1	70	Residential RSL	0.824	1	1	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	8.2	8.2	23	Residential RSL	43.6	1	1	0	0	--
Copper	35.1	17	3100	Residential RSL	182	11	11	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	48600	17400	55000	Residential RSL	71900	11	11	0	0	--
Lead	370	7.9	140	Provisional RSL	N/A	21	21	1	12	--
Lead	370	7.9	400	Residential RSL	34.8	21	21	0	12	--
Manganese	910	329	1800	Residential RSL	1600	11	11	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	1	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	1	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	531	61.4	23000	Residential RSL	136	11	11	0	7	--

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Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O13: 12689 E RICHARDS LN (402-10-066A)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	48	12	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	--	--	3100	Residential RSL	182	0	0	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	0	0	0	0	--
Lead	120	7.2	140	Provisional RSL	N/A	10	10	0	9	--
Lead	120	7.2	400	Residential RSL	34.8	10	10	0	9	--
Manganese	--	--	1800	Residential RSL	1600	0	0	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	--	--	23000	Residential RSL	136	0	0	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O14: 12701 E RICHARDS LN (402-10-067)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	53	17	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	--	--	3100	Residential RSL	182	0	0	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	0	0	0	0	--
Lead	110	2.9	140	Provisional RSL	N/A	10	10	0	4	--
Lead	110	2.9	400	Residential RSL	34.8	10	10	0	4	--
Manganese	--	--	1800	Residential RSL	1600	0	0	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	--	--	23000	Residential RSL	136	0	0	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O15: 12721 E RICHARDS LN (402-10-068)										
Metals										
Aluminum	--	--	77000	Residential RSL	35600	0	0	0	0	--
Antimony	--	--	31	Residential RSL	2.42	0	0	0	0	--
Arsenic	76	19	194	Residential 10-4 risk	112	10	10	0	0	--
Cadmium	--	--	70	Residential RSL	0.824	0	0	0	0	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	--	--	23	Residential RSL	43.6	0	0	0	0	--
Copper	--	--	3100	Residential RSL	182	0	0	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	--	--	55000	Residential RSL	71900	0	0	0	0	--
Lead	230	70	140	Provisional RSL	N/A	10	10	2	10	--
Lead	230	70	400	Residential RSL	34.8	10	10	0	10	--
Manganese	--	--	1800	Residential RSL	1600	0	0	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	--	--	390	Residential RSL	N/A	0	0	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	0	0	0	0	--
Zinc	--	--	23000	Residential RSL	136	0	0	0	0	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O16: 12769 E RICHARDS LN (402-10-069A)										
Metals										
Aluminum	7550	7550	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	79	18.5	194	Residential 10-4 risk	112	15	15	0	0	--
Cadmium	1.6	1.6	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	11.5	11.5	23	Residential RSL	43.6	1	1	0	0	--
Copper	65.8	46.8	3100	Residential RSL	182	5	5	0	0	--
Cyanide	--	--	21	Residential RSL	N/A	0	0	0	N/A	--
Iron	28400	28400	55000	Residential RSL	71900	1	1	0	0	--
Lead	882	19	140	Provisional RSL	N/A	15	15	2	14	--
Lead	882	19	400	Residential RSL	34.8	15	15	1	14	--
Manganese	490	490	1800	Residential RSL	1600	1	1	0	0	--
Mercury	--	--	23	Residential RSL	0.0795	0	0	0	0	--
Silver	2.8	2.8	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	400	219	23000	Residential RSL	136	5	5	0	5	--

TABLE J-2

Summary of Soil Analytical Results for Residential Yards

Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona

Analyte	Maximum Detection (mg/kg)	Minimum Detection (mg/kg)	Screening Level (mg/kg)	Screening Level Type	Background UTL (mg/kg)	Number of Results	Number of Detections	Number Exceeding Screening Level	Number Exceeding Background	Maximum Detect within Removal Action Area?
EPA Yard ID O17: 12776 E RICHARDS LN (402-10-063C)										
Metals										
Aluminum	9670	9670	77000	Residential RSL	35600	1	1	0	0	--
Antimony	--	--	31	Residential RSL	2.42	1	0	0	0	--
Arsenic	294	24	194	Residential 10-4 risk	112	15	15	1	3	--
Cadmium	2.1	2.1	70	Residential RSL	0.824	1	1	0	1	--
Chromium, Hexavalent	--	--	0.3	Residential RSL	N/A	0	0	0	N/A	--
Cobalt	10.7	10.7	23	Residential RSL	43.6	1	1	0	0	--
Copper	55.1	30.1	3100	Residential RSL	182	5	5	0	0	--
Cyanide	0.18	0.18	21	Residential RSL	N/A	1	1	0	N/A	--
Iron	21900	21900	55000	Residential RSL	71900	1	1	0	0	--
Lead	407	20	140	Provisional RSL	N/A	15	15	3	13	--
Lead	407	20	400	Residential RSL	34.8	15	15	1	13	--
Manganese	631	631	1800	Residential RSL	1600	1	1	0	0	--
Mercury	0.43	0.43	23	Residential RSL	0.0795	1	1	0	1	--
Silver	0.65	0.65	390	Residential RSL	N/A	1	1	0	N/A	--
Thallium	--	--	0.78	Residential RSL	2.8	1	0	0	0	--
Zinc	531	253	23000	Residential RSL	136	5	5	0	5	--

Notes:

The table summarizes all soil sample results, including both surface and subsurface samples.

The screening levels used herein are solely to provide a perspective for identifying the nature and extent of contamination, and they are not intended to infer the existence of unacceptable risk.

RSL = EPA Regional Screening Level for Residential Exposures, equating to $1x10^{-6}$ risk for carcinogens or a hazard quotient (HQ) of 1.0 for noncarcinogens (EPA, 2015a).

The arsenic screening level corresponds to $1x10^{-4}$ risk and incorporates site-specific bioavailability (Section 9.4.5 and Appendix H).

-- = not detected (Columns B and C) or samples were not collected in the area of a removal action (Column K)

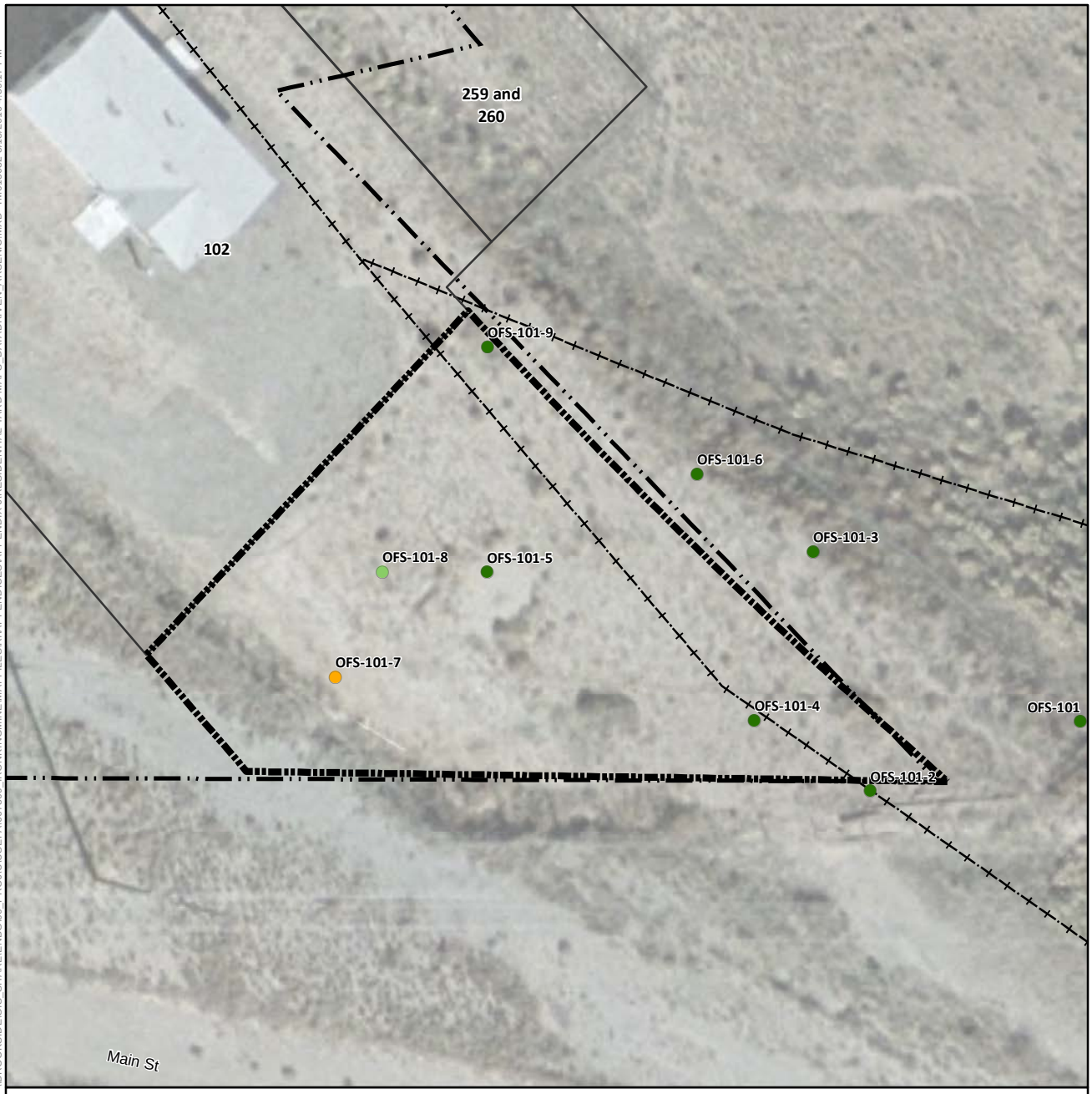
mg/kg = milligrams per kilogram

N/A = not available/applicable

UTL = 95th upper tolerance limit

Figures

Arsenic Distribution is Surface Soil



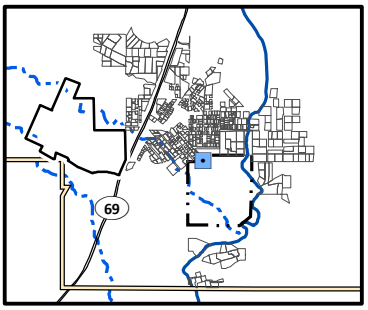
\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJU\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 101 (Page 1 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



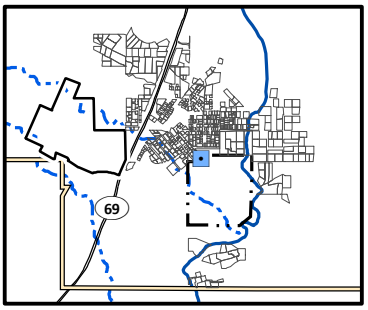
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

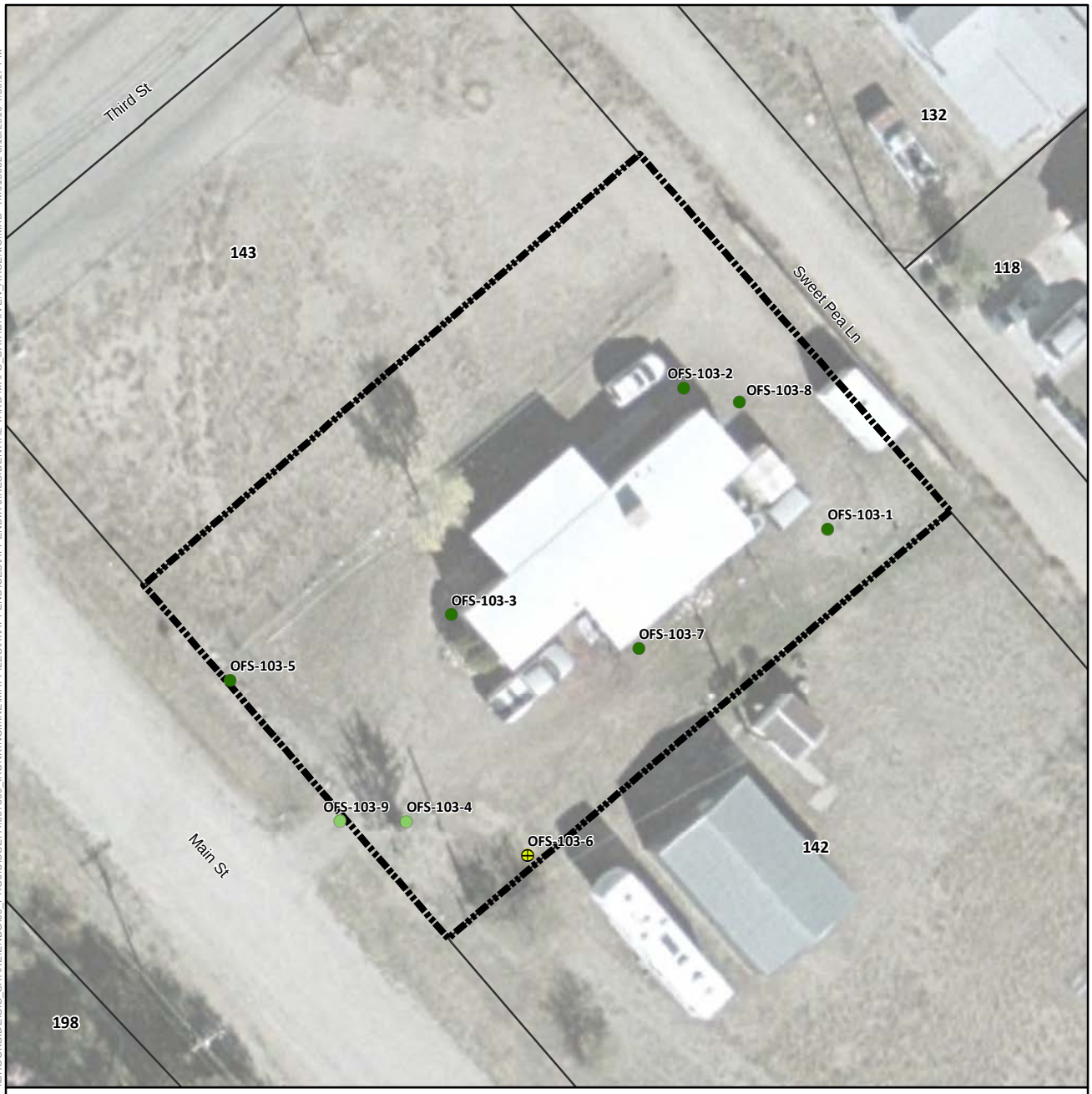


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 102 (Page 2 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



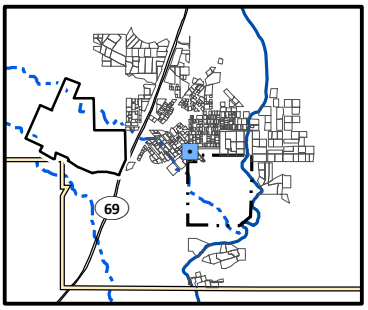
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 103 (Page 3 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

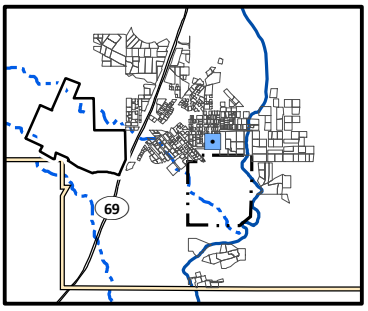


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
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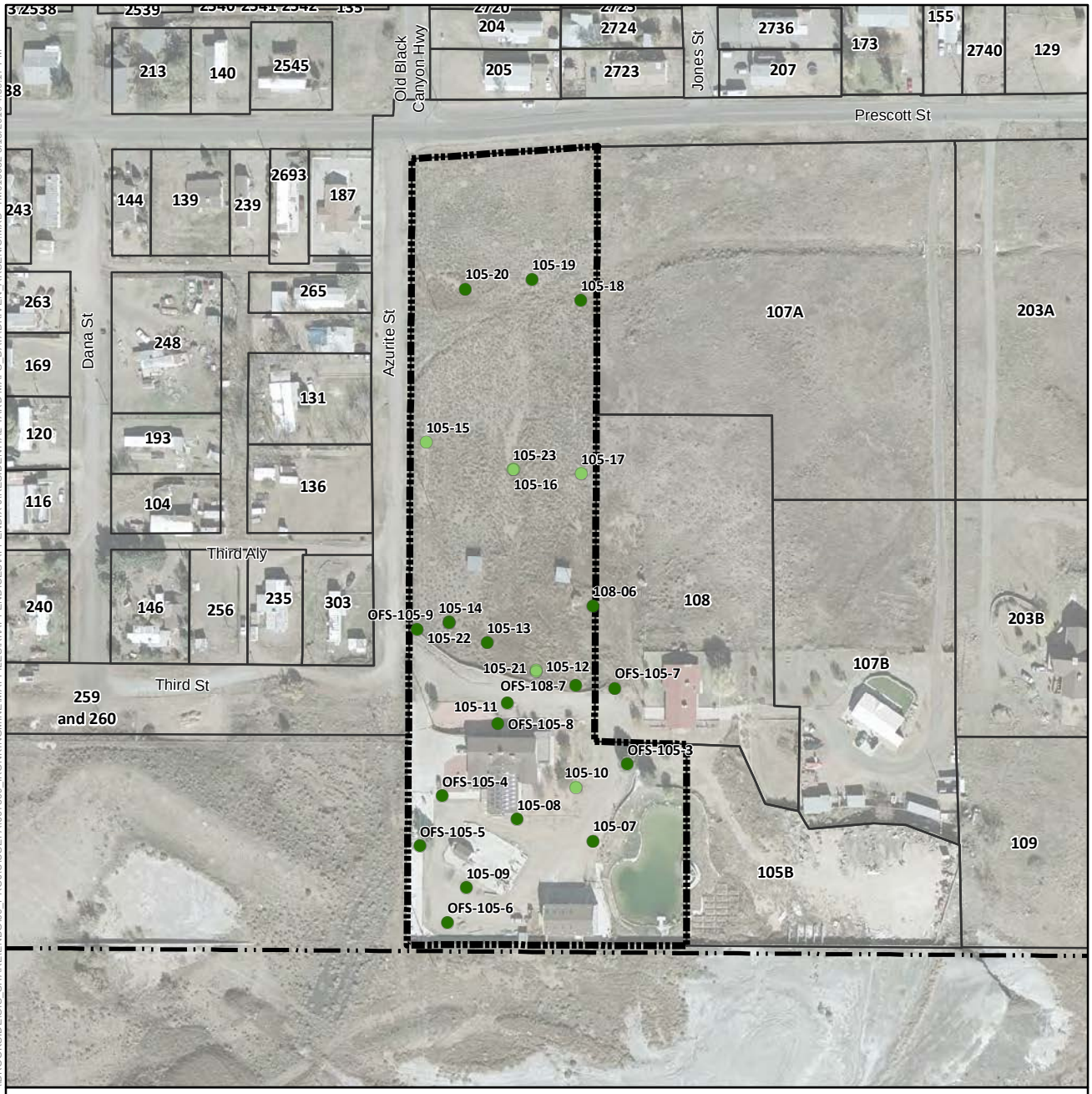
0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 104 (Page 4 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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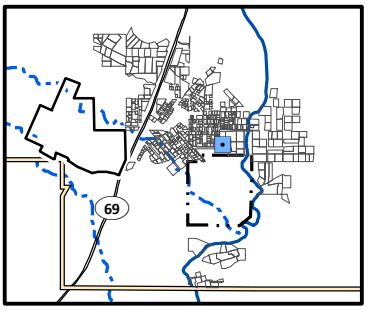
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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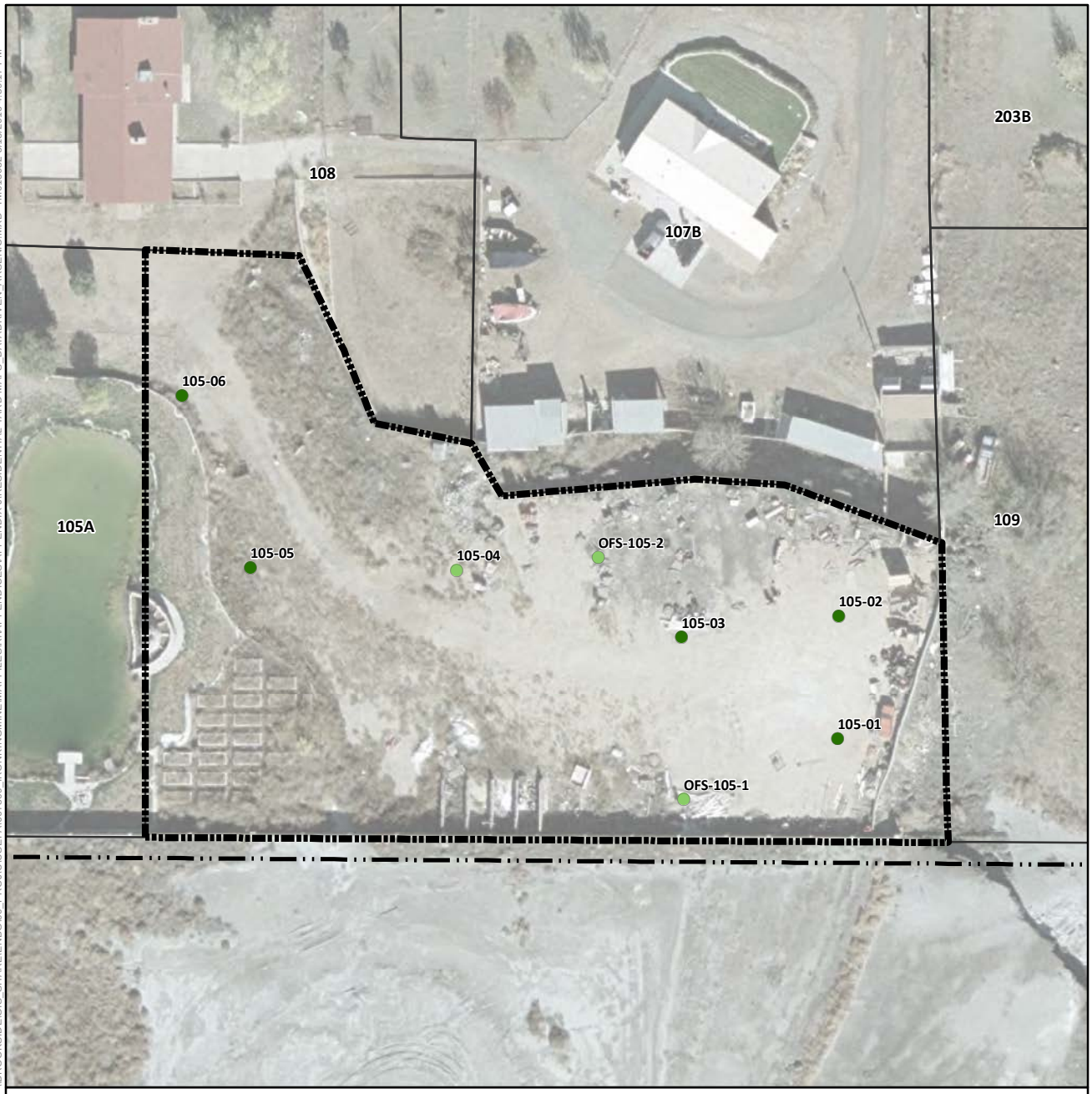
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 325
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 105A (Page 5 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



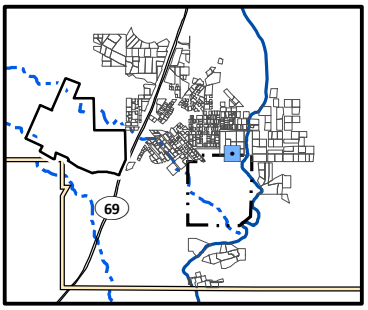
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
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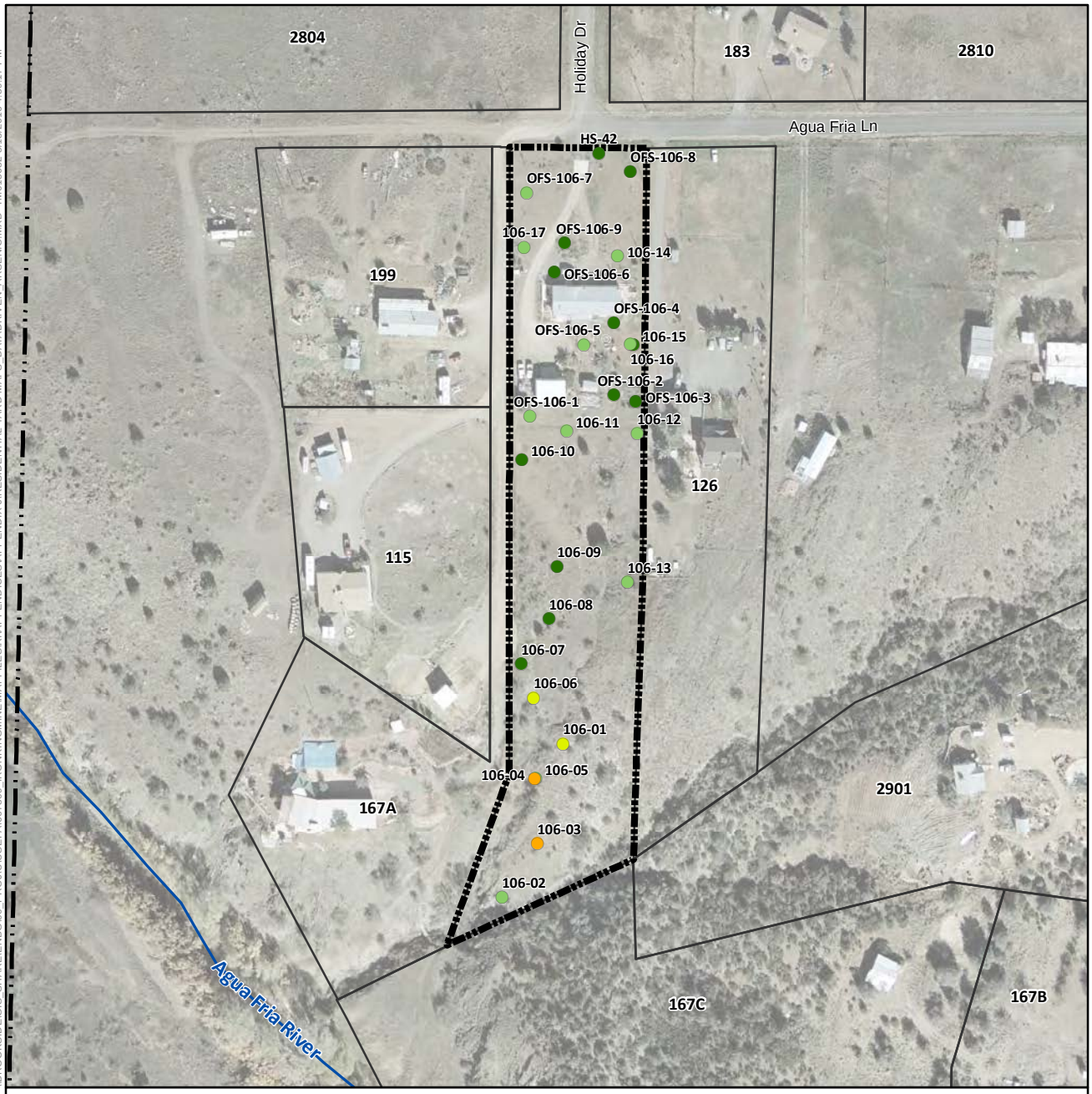


0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 105B (Page 6 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



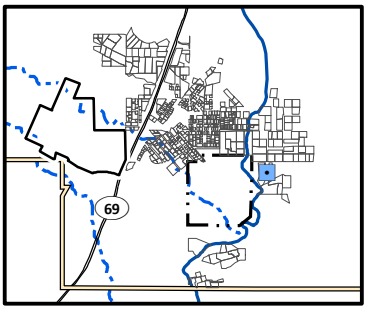
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
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- Yard Location in Vicinity Map Inset
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- Yard Boundary
- Adjacent Yard Boundary
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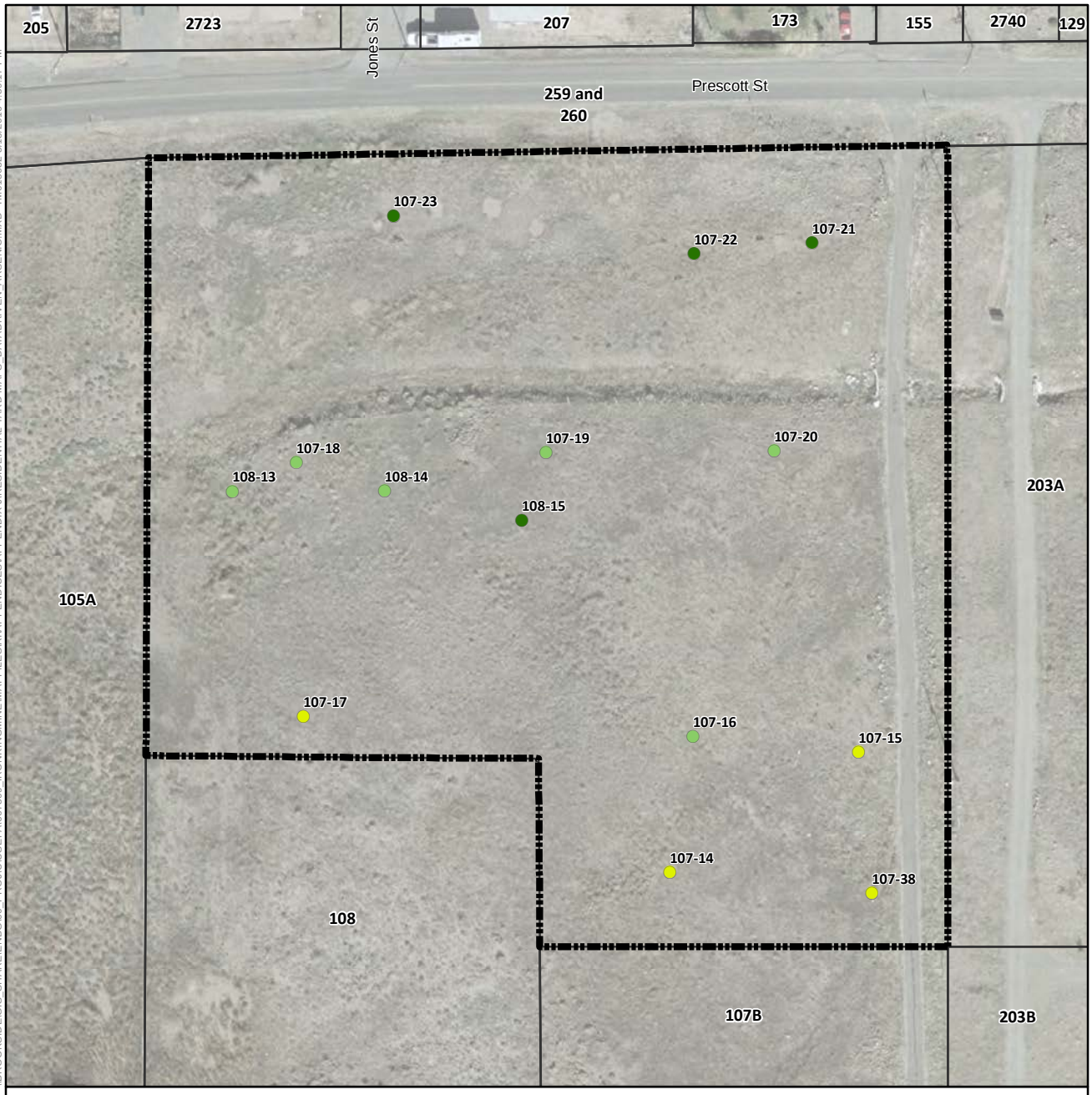
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 300
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 106 (Page 7 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



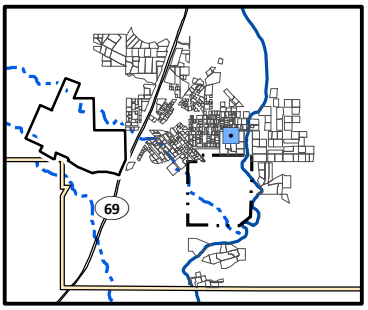
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
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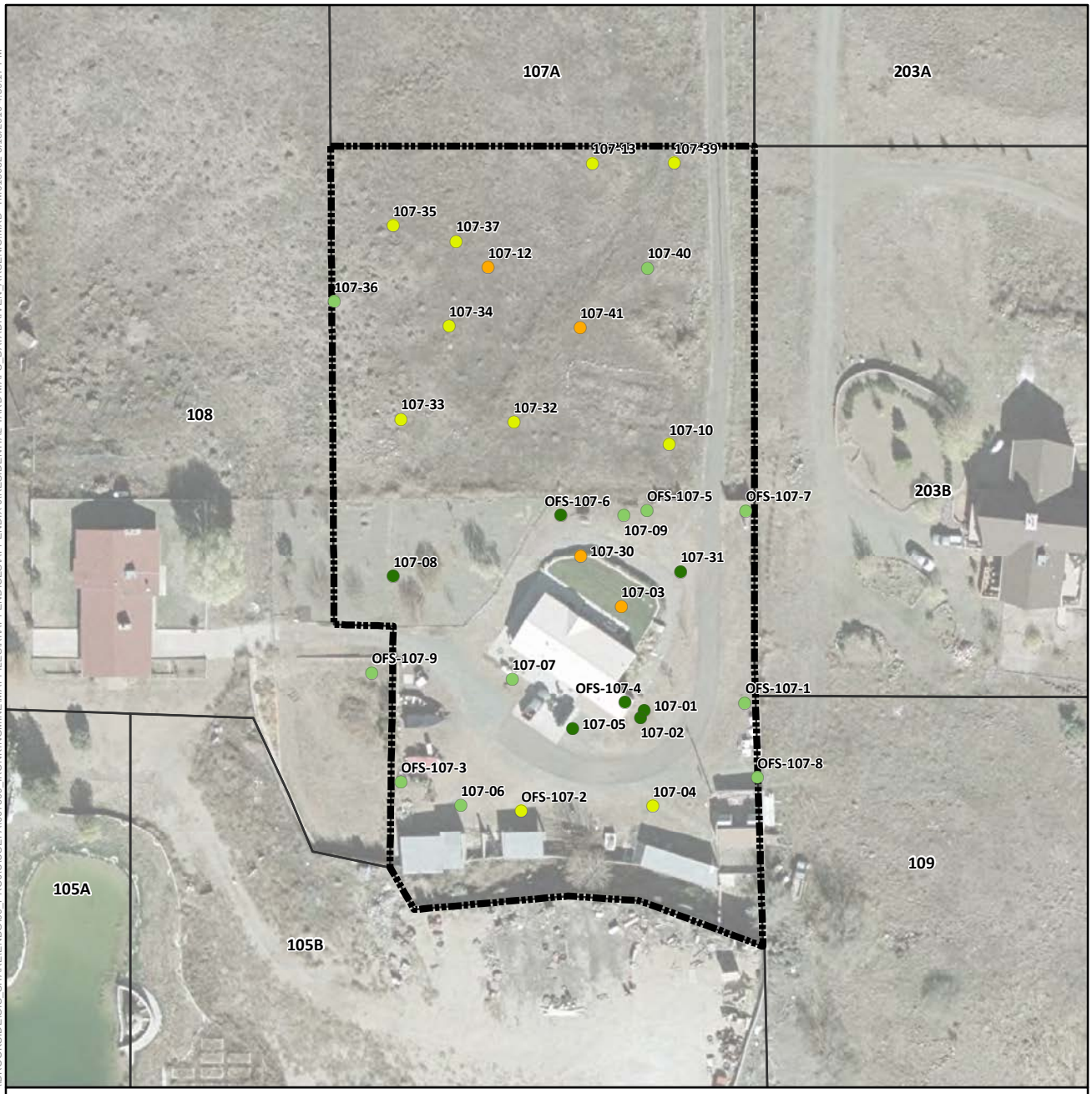


0 140
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 107A (Page 8 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

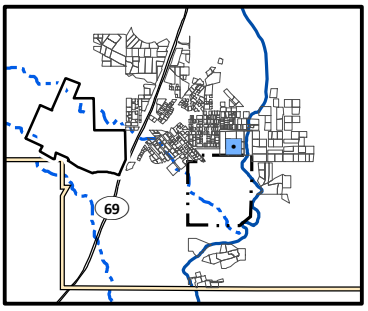


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
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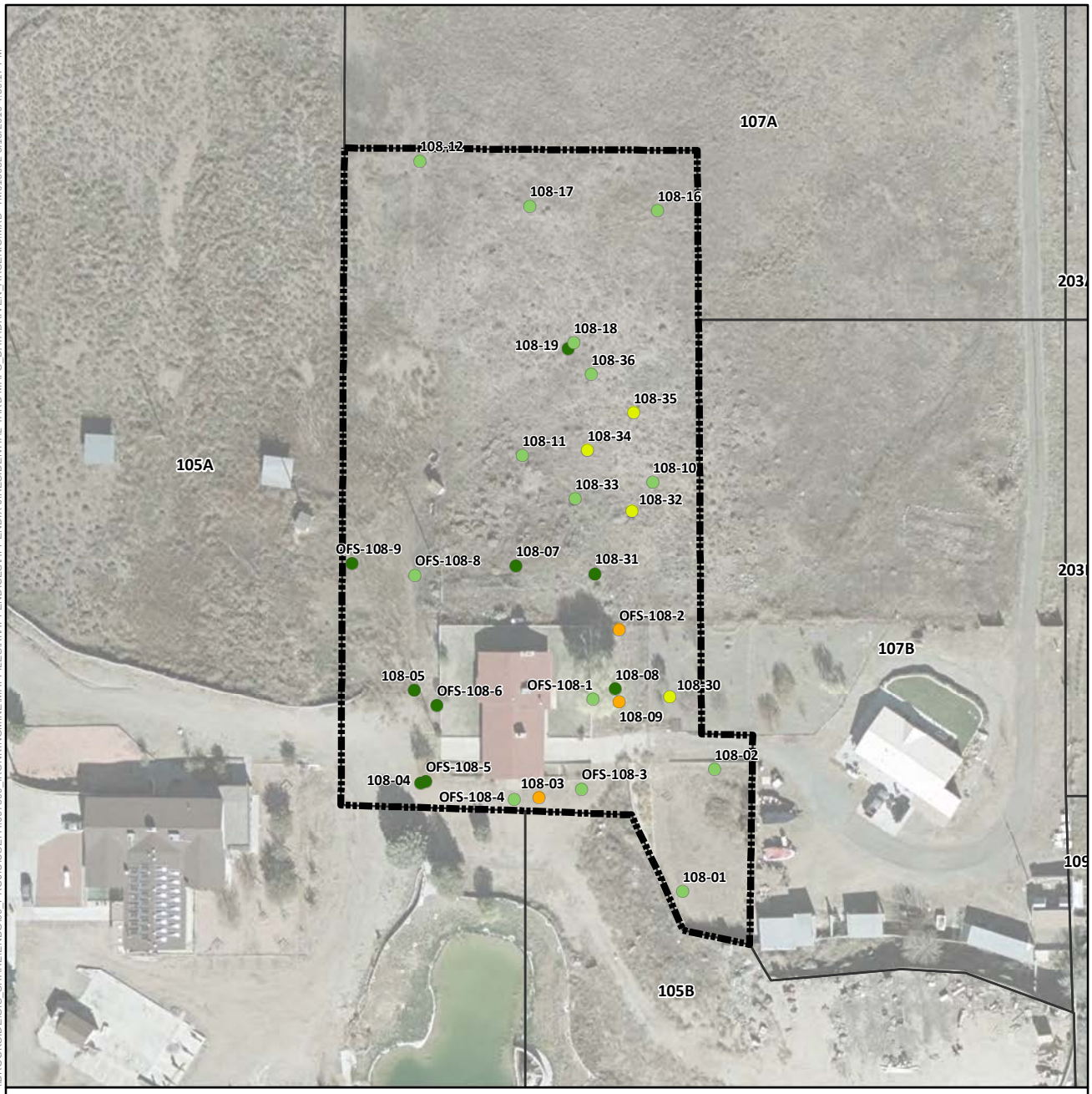


0 140
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 107B (Page 9 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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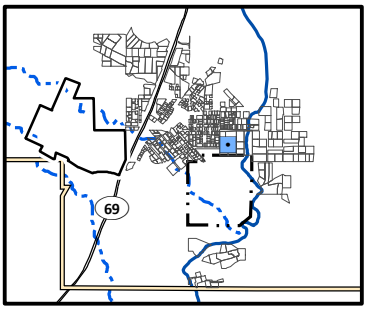


Arsenic Concentration in Surface Soil (mg/kg)

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- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

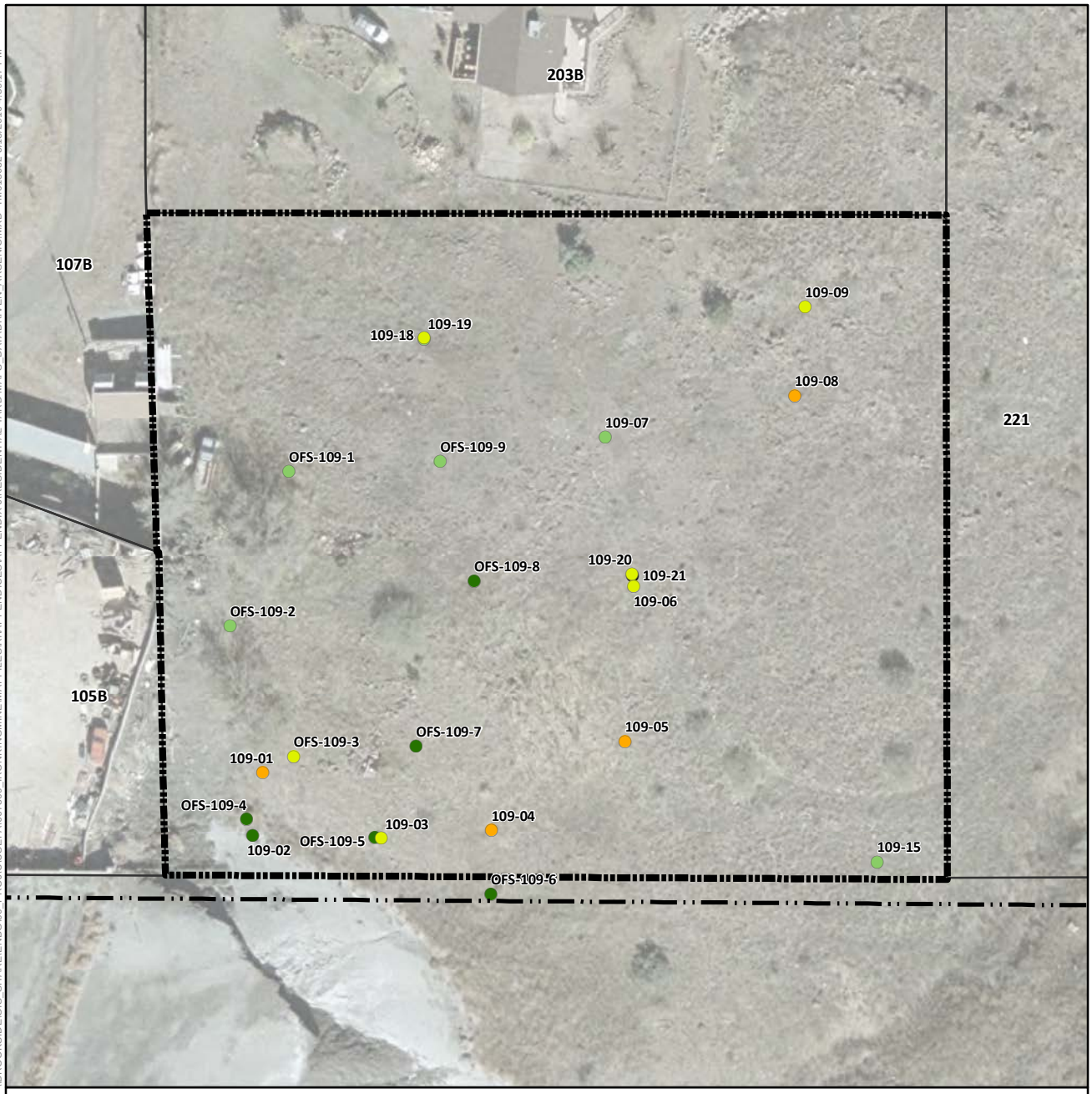


0 160
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 108 (Page 10 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\US\EPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM



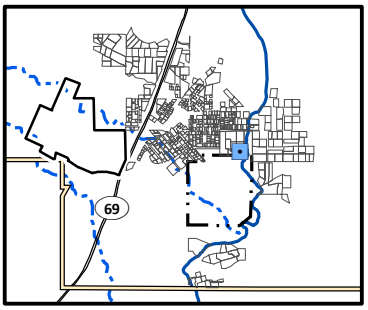
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 109 (Page 11 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



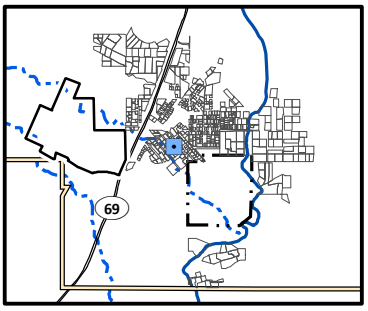
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

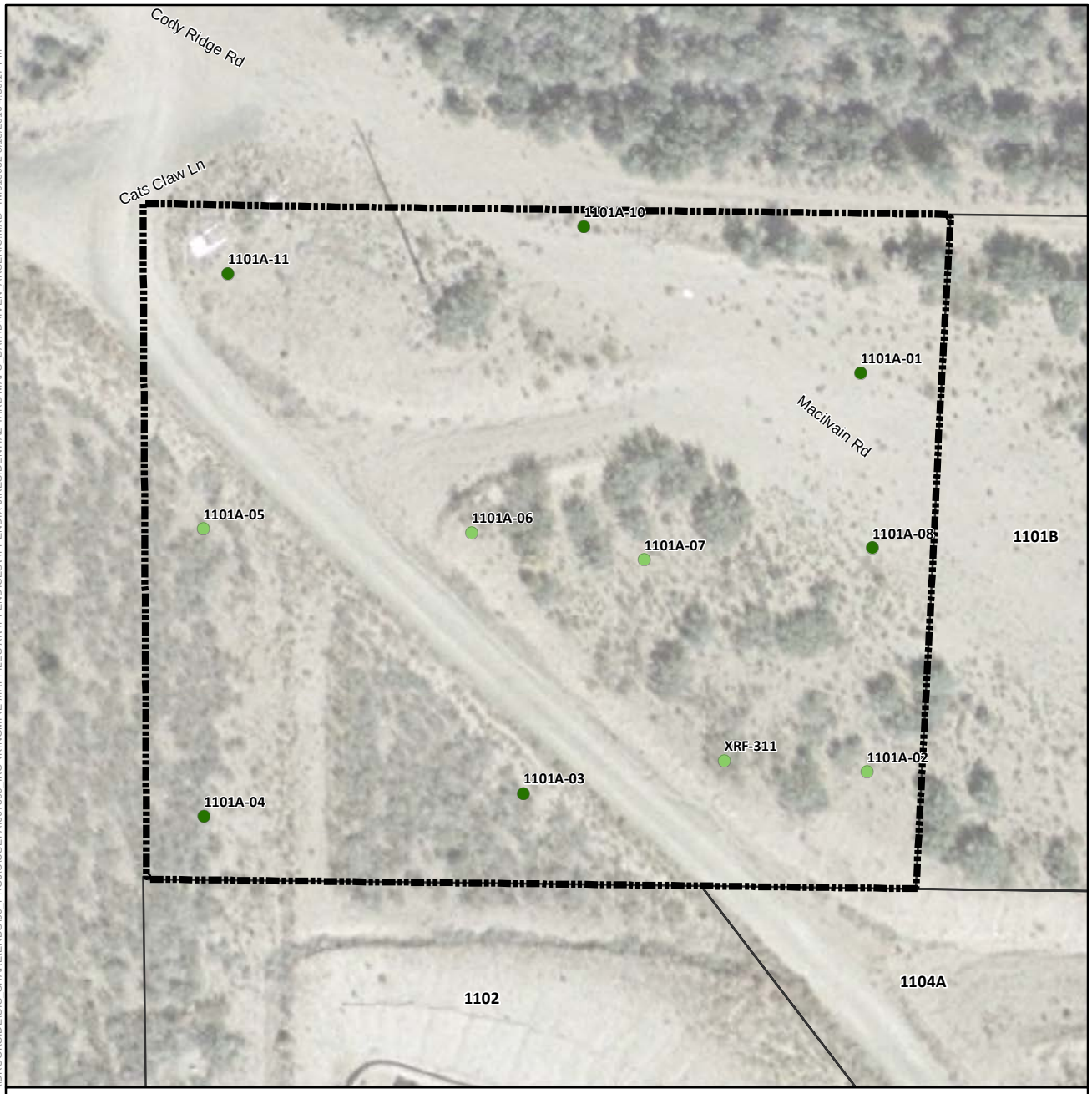


0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 110 (Page 12 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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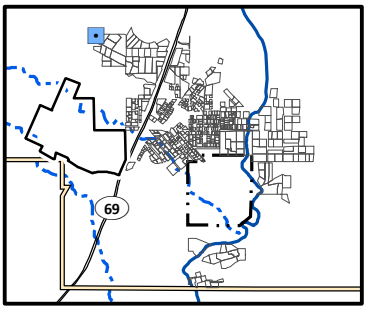


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1101A (Page 13 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



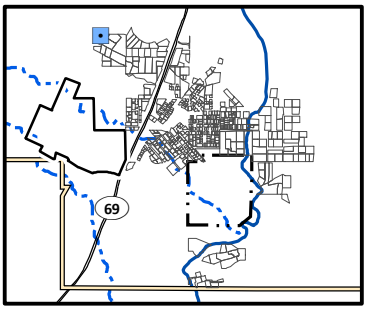
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

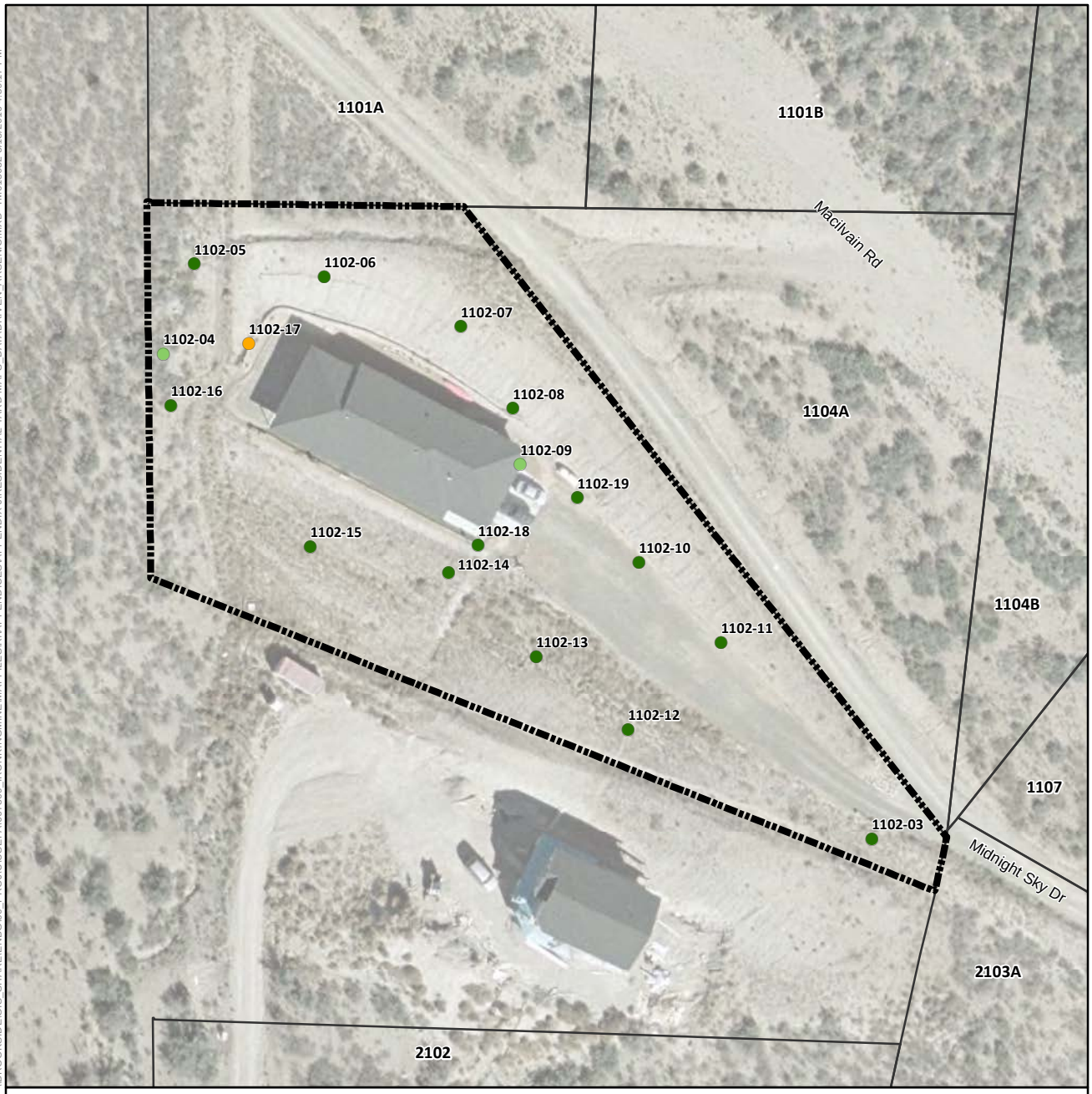


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1101B (Page 14 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



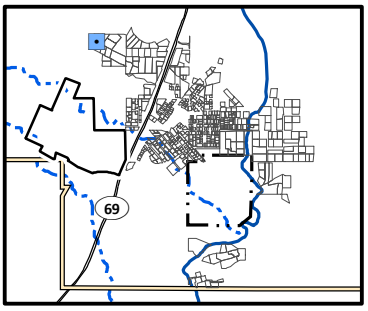
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

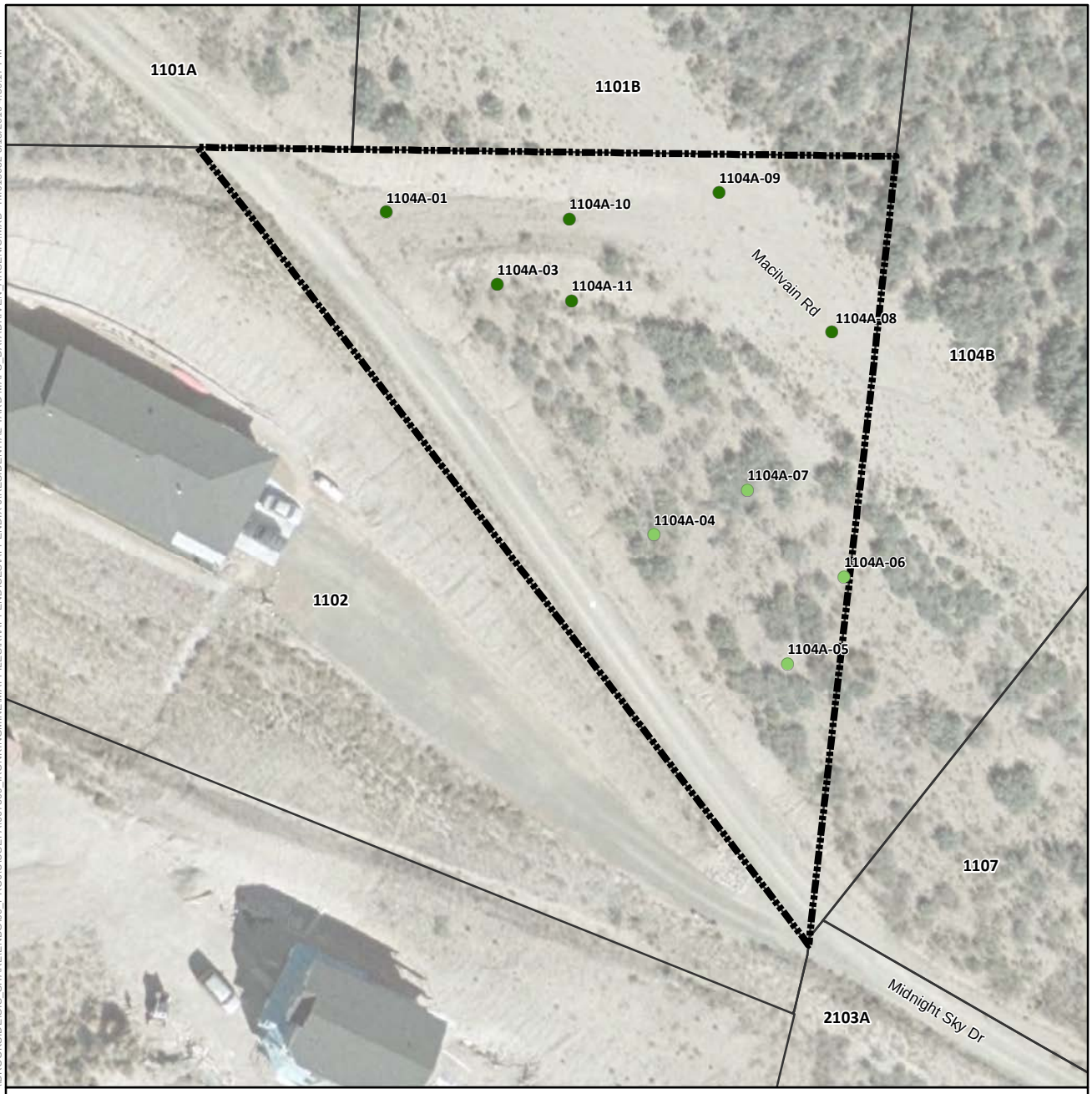
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1102 (Page 15 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



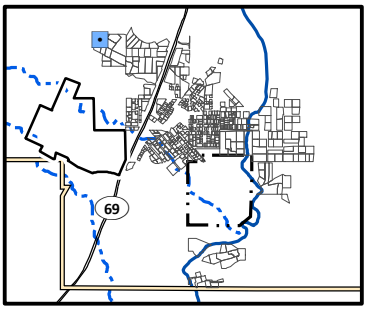
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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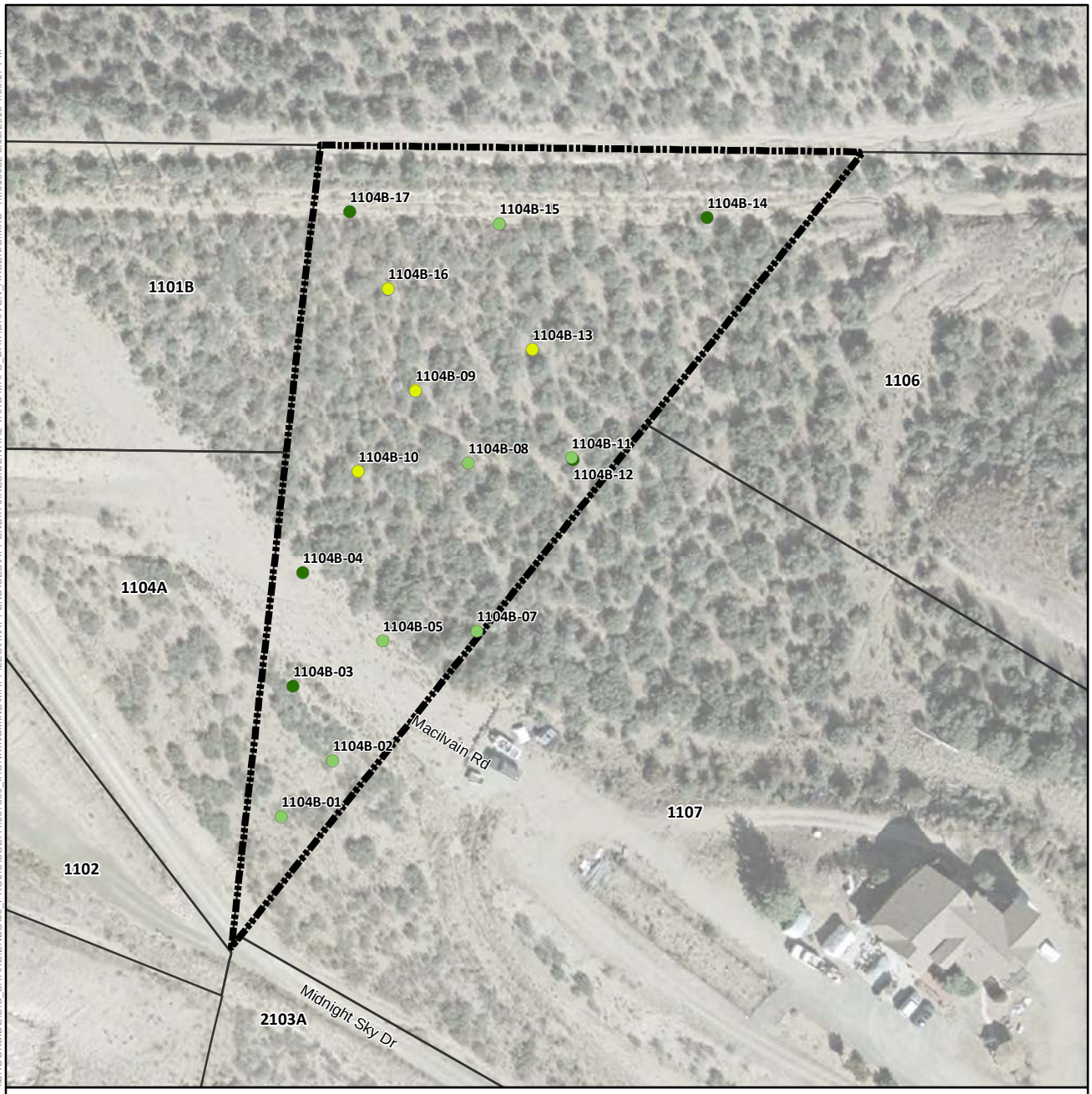


0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1104A (Page 16 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



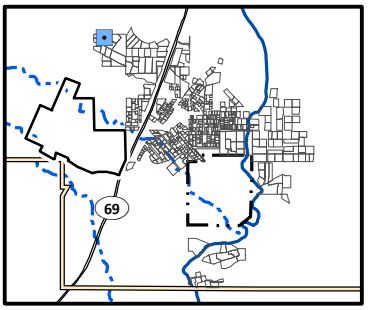
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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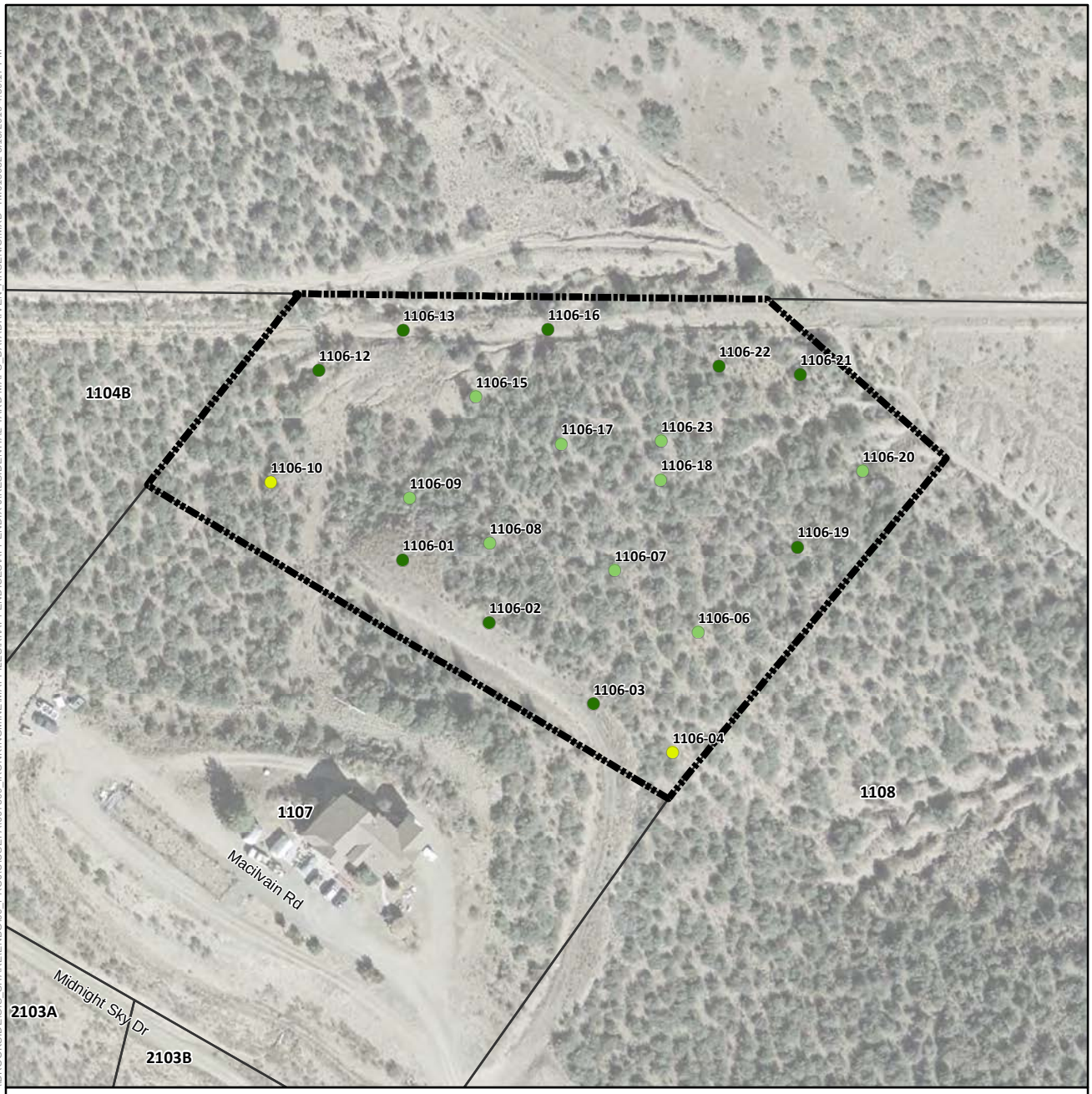


0 130
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1104B (Page 17 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



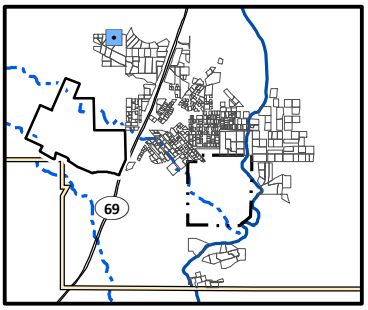
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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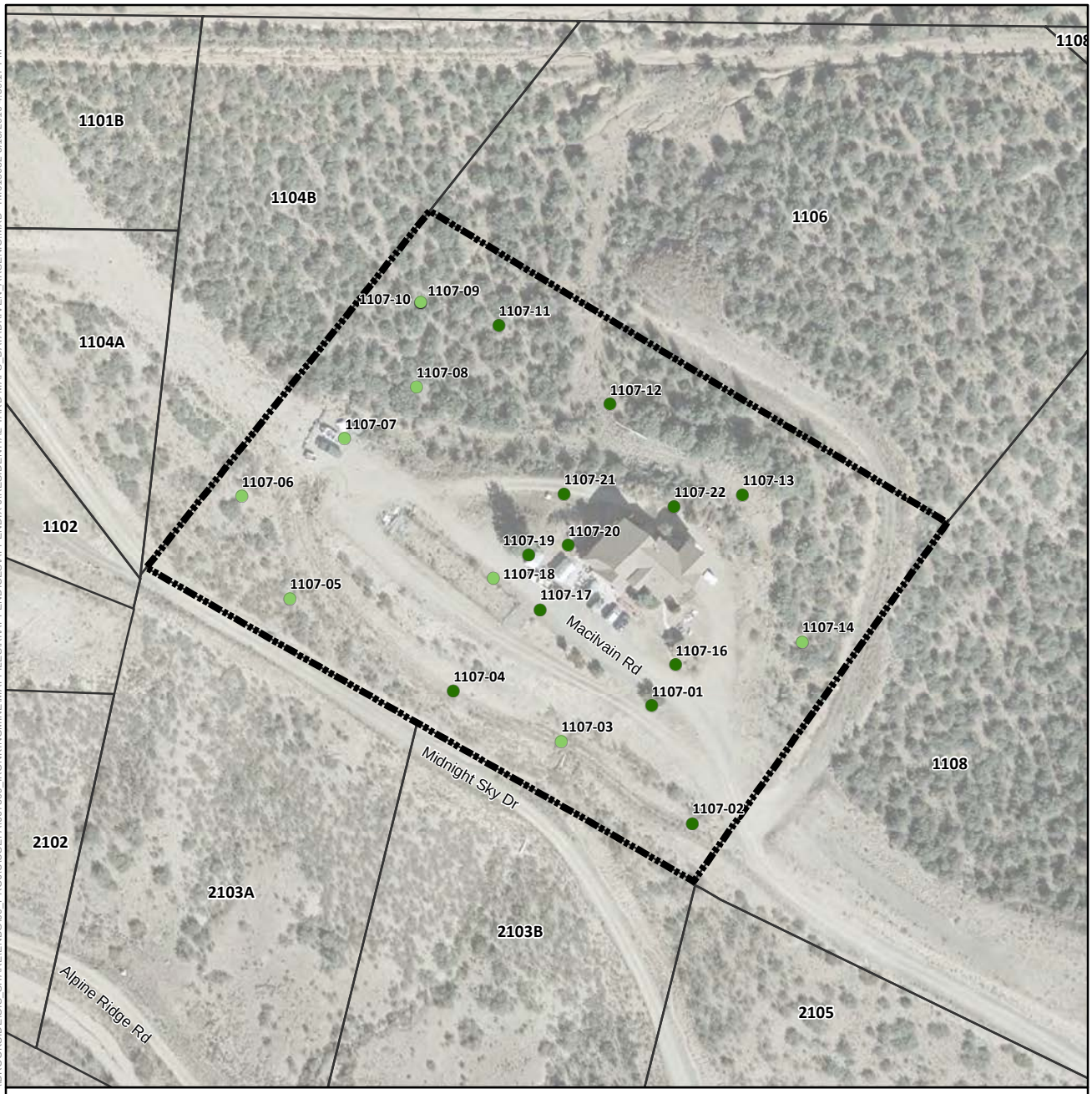


0 190
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1106 (Page 18 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



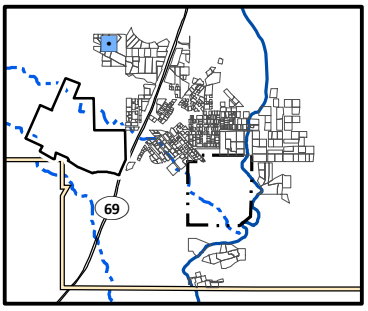
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 190
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1107 (Page 19 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

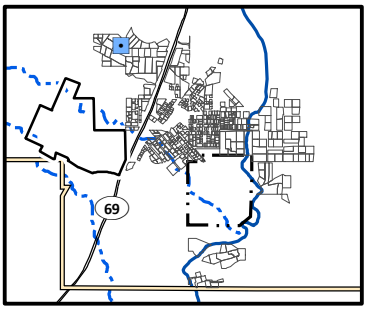


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 300
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1108 (Page 20 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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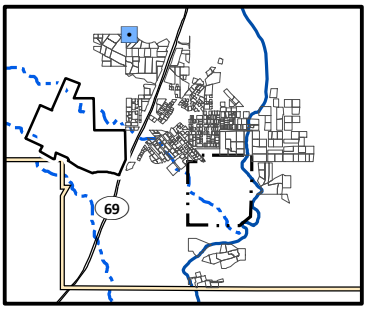
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

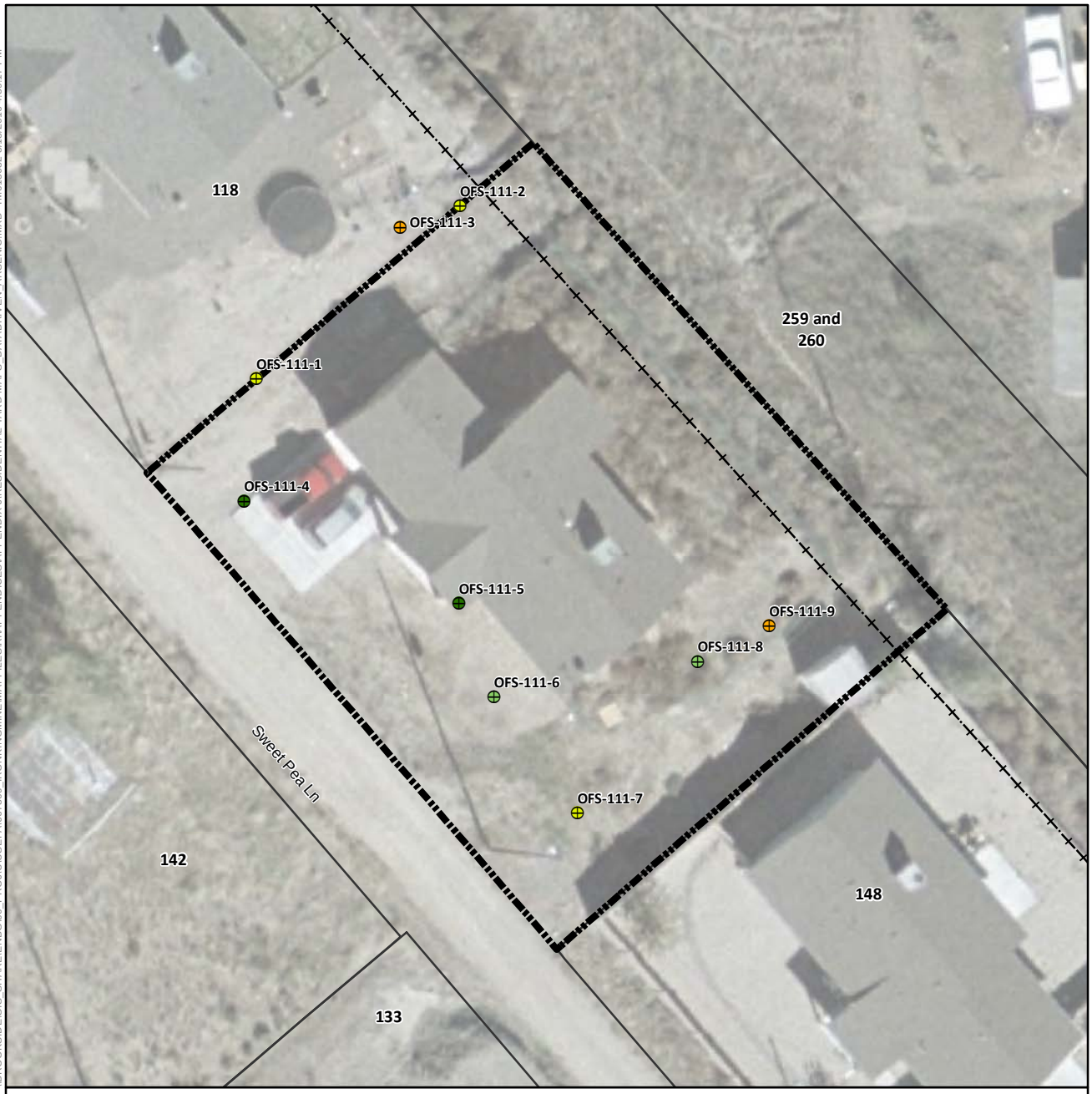
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1109 (Page 21 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

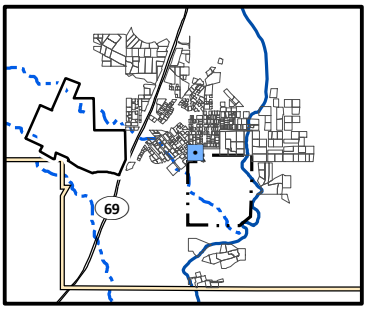


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 111 (Page 22 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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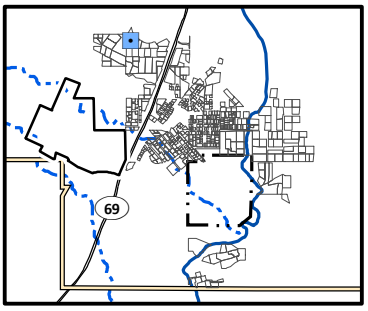
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

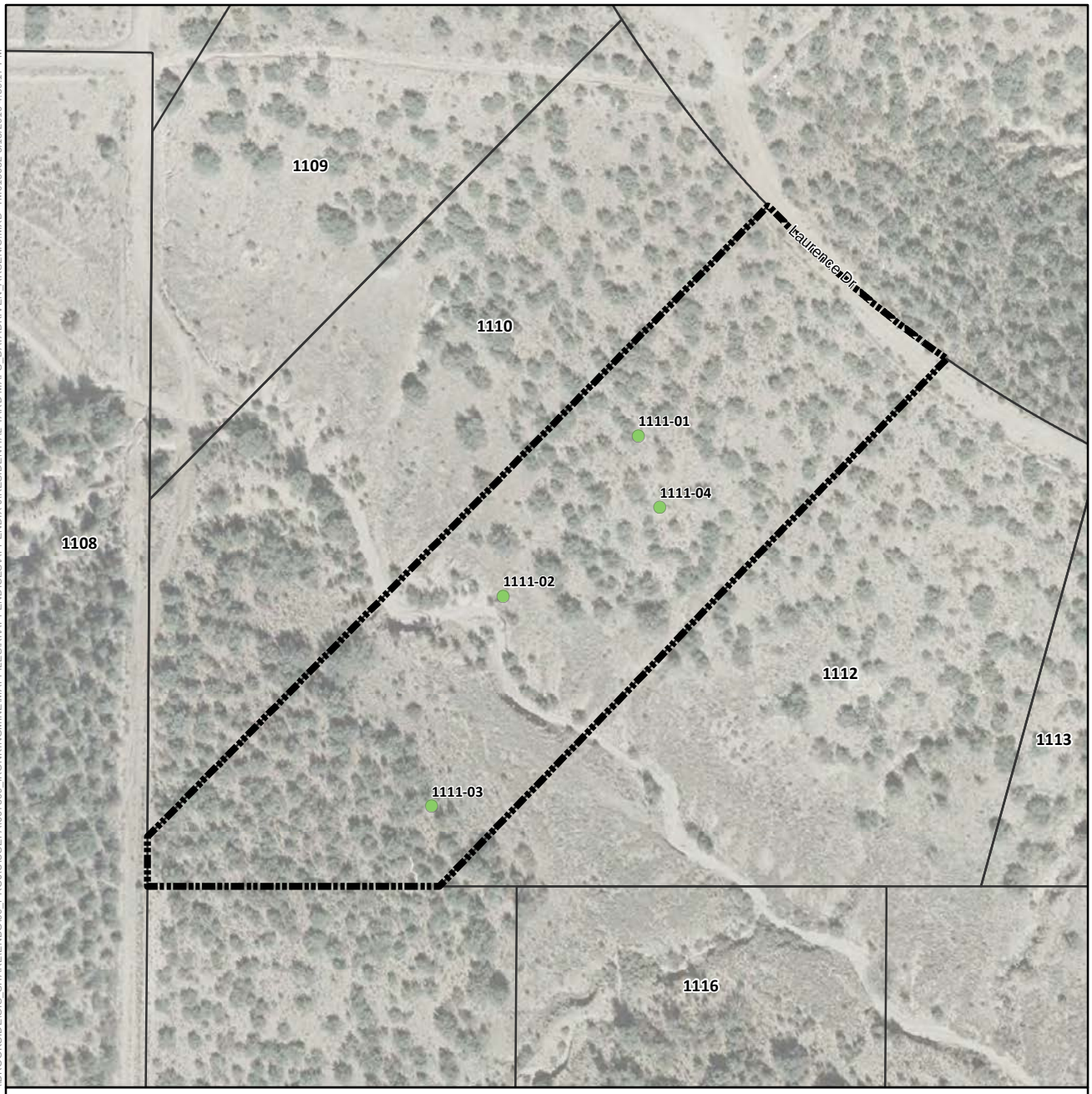


0 180
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1110 (Page 23 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



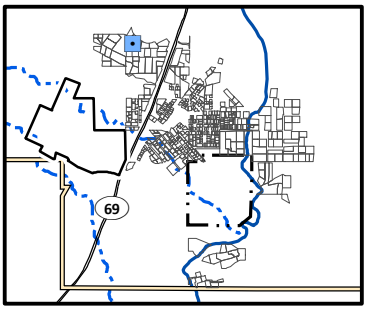
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 180
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1111 (Page 24 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



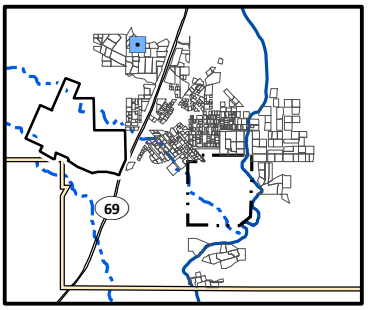
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1112 (Page 25 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

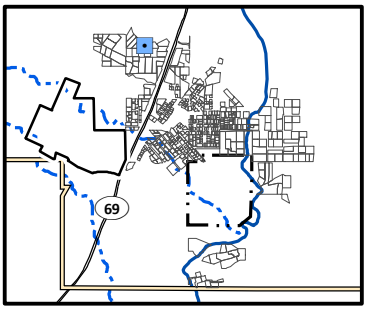


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1113 (Page 26 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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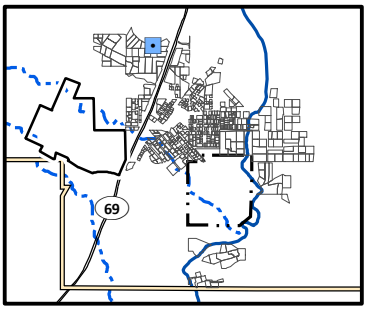
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 125
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1114 (Page 27 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



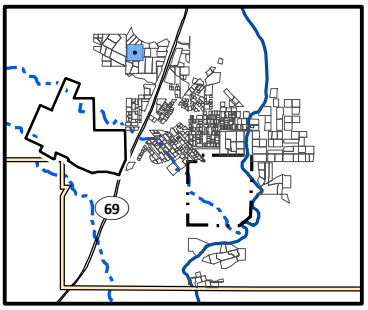
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

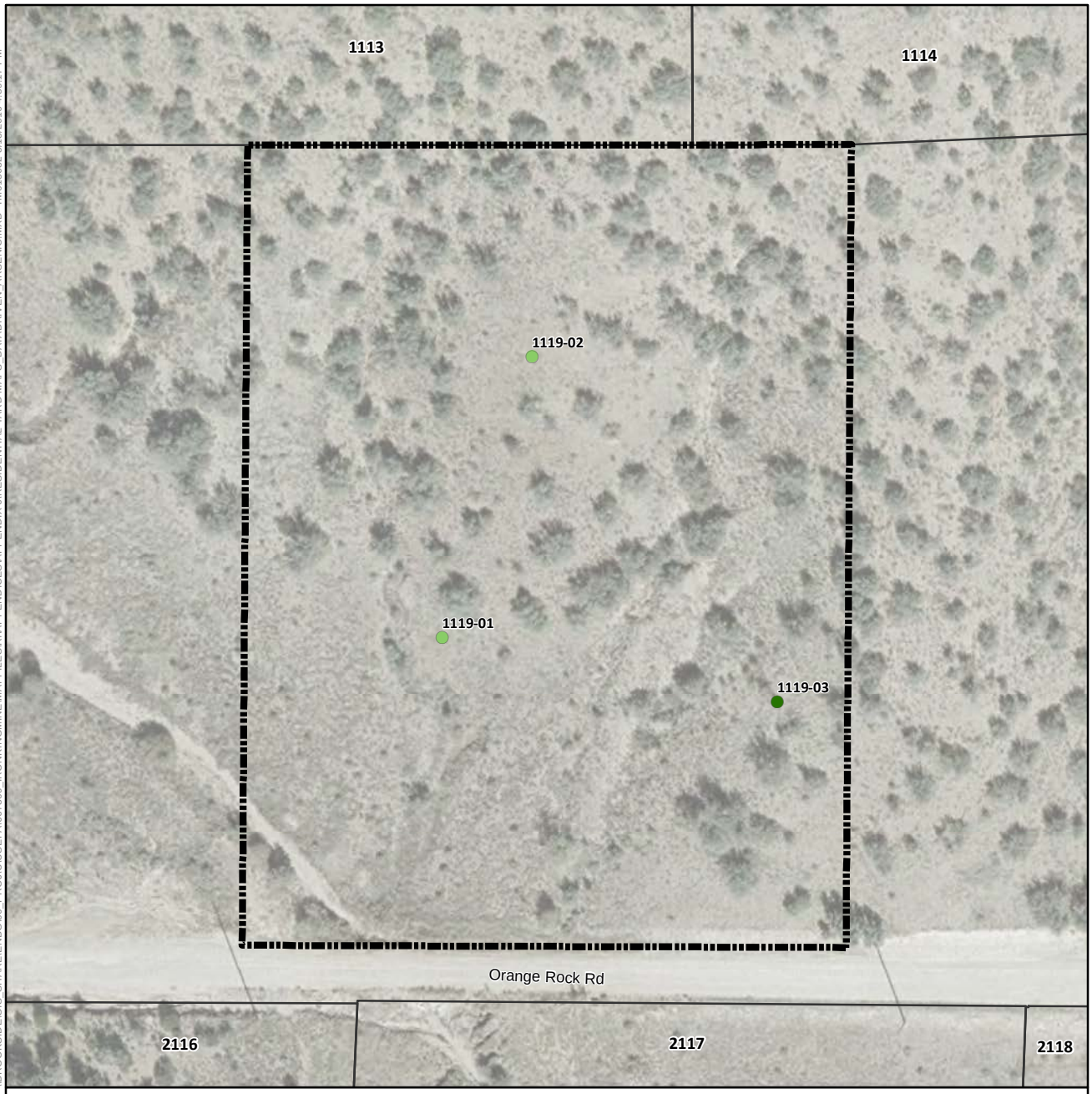


0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1116 (Page 28 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

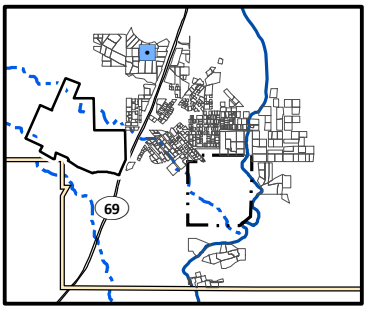


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



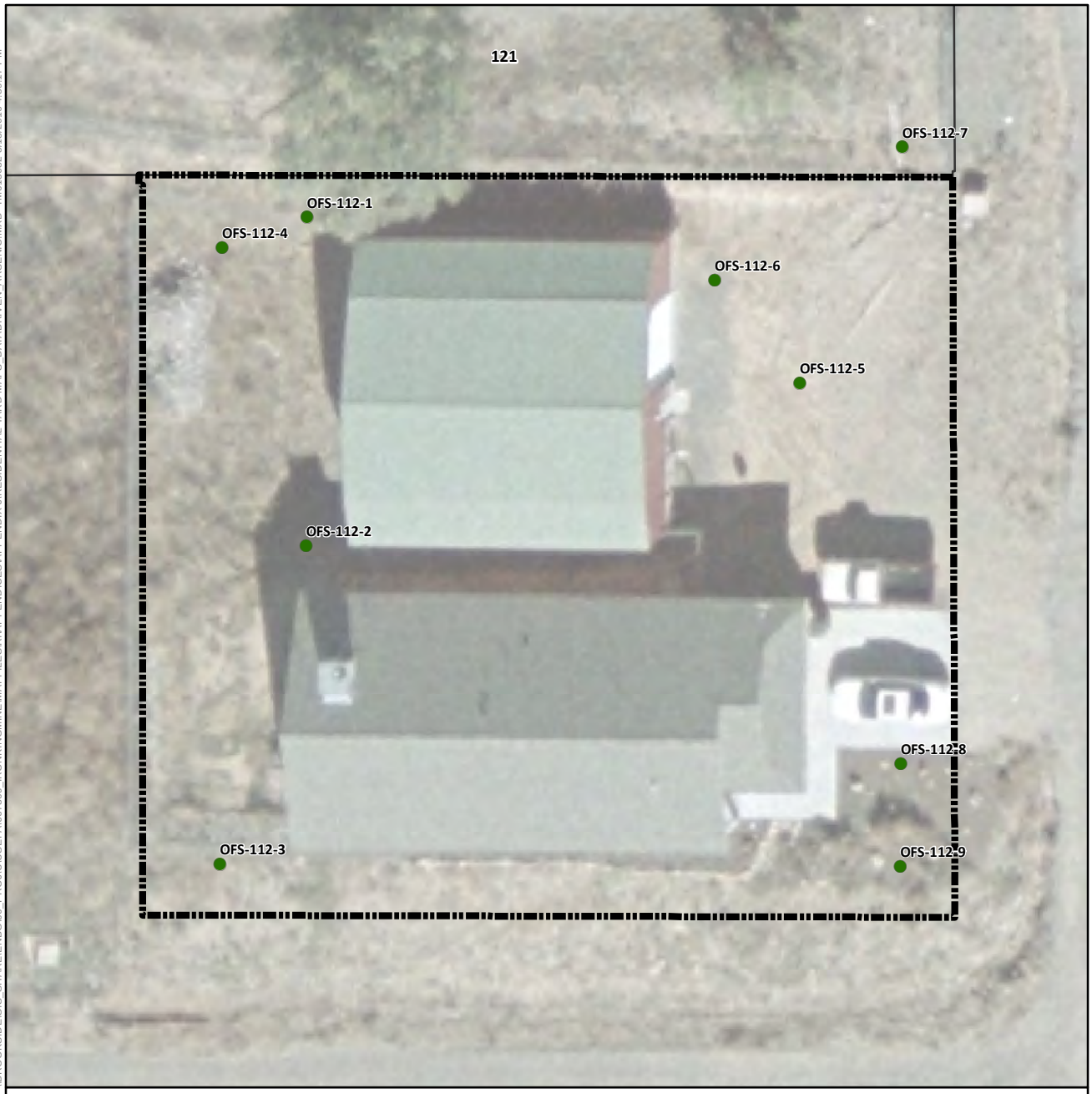
0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1119 (Page 29 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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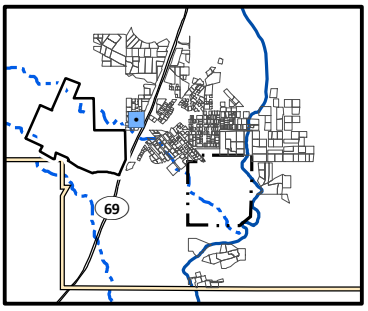
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 112 (Page 30 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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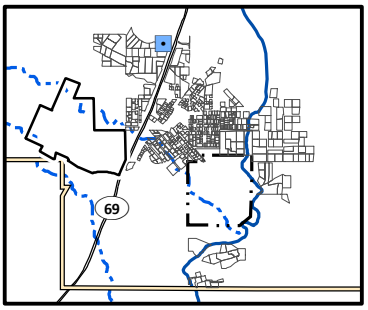


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 170
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1121 (Page 31 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



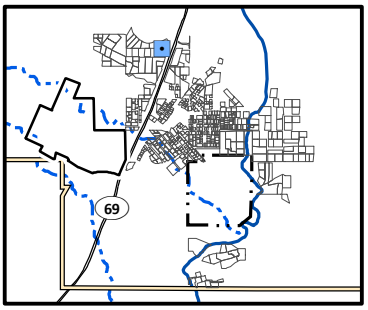
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1122 (Page 32 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

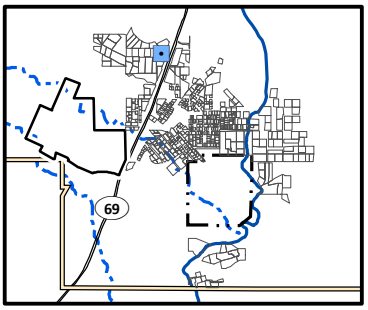


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1123 (Page 33 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJU\USEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL_YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM



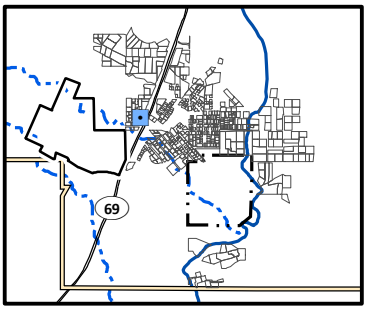
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

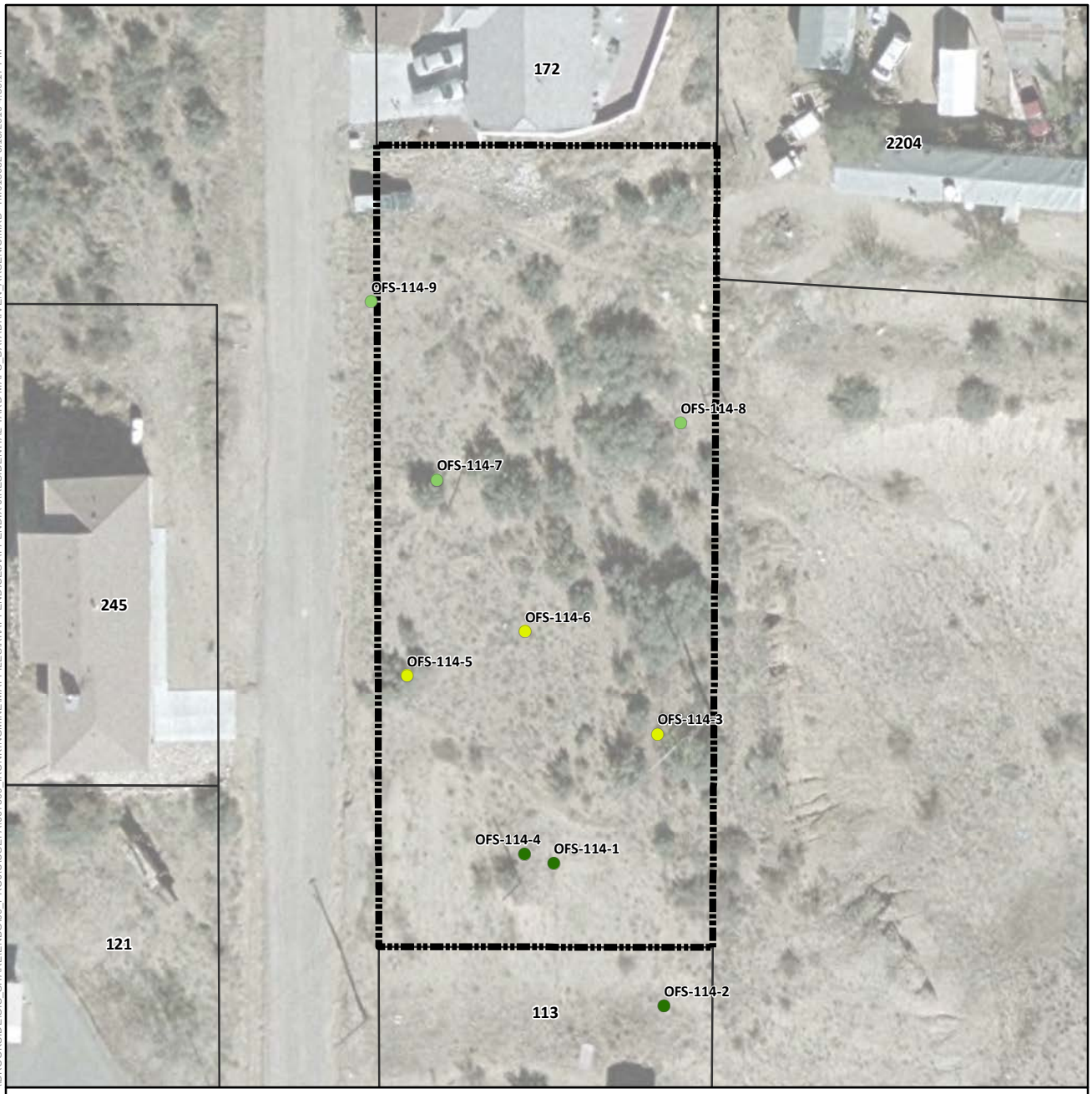


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 113 (Page 34 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



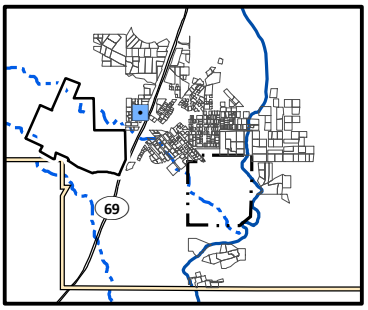
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

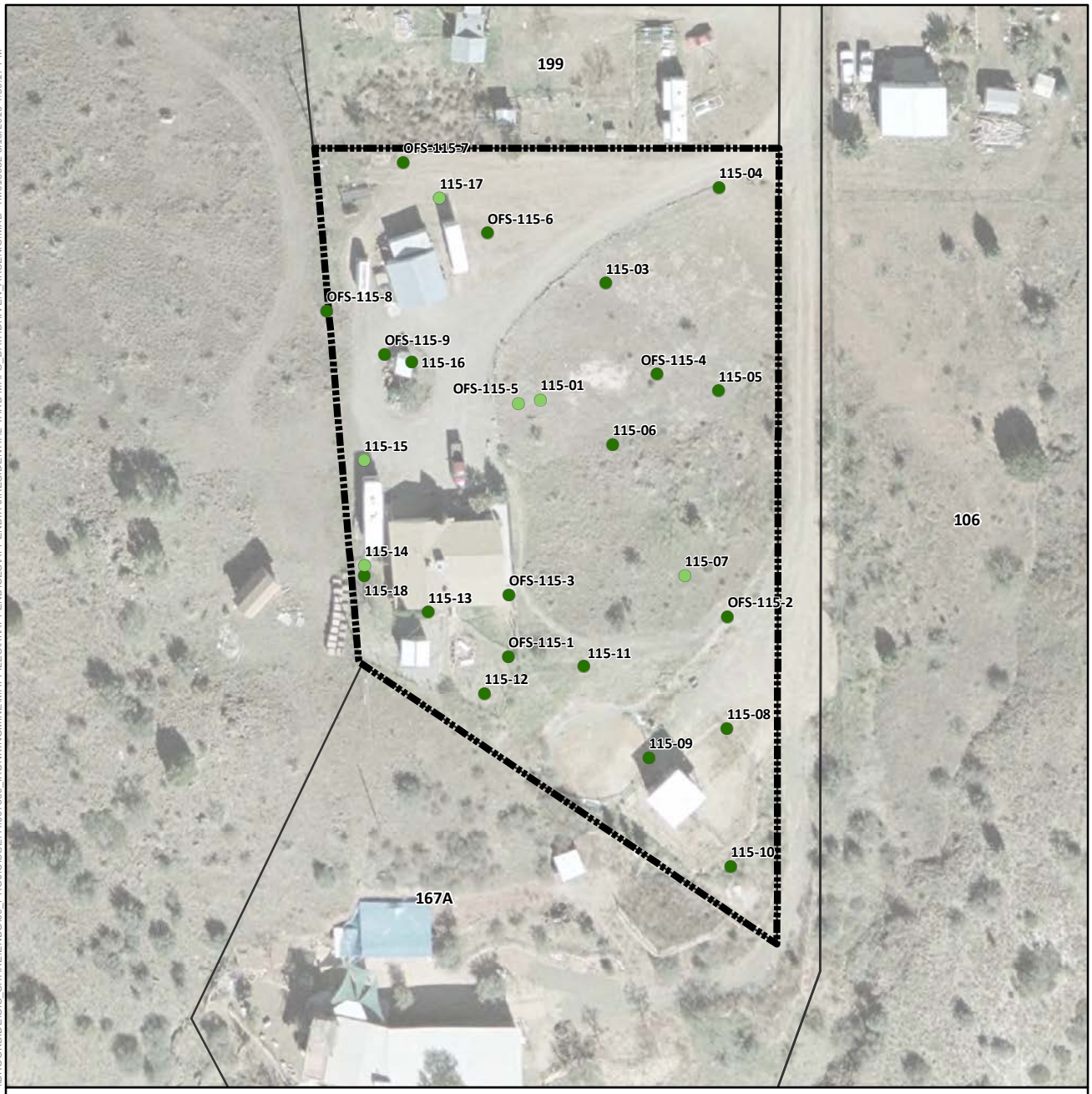


0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 114 (Page 35 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



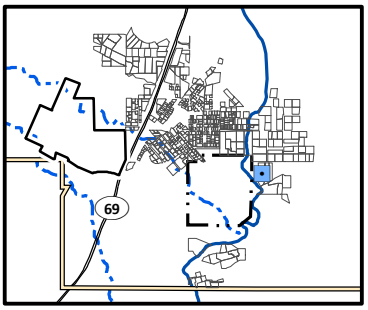
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 130
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 115 (Page 36 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



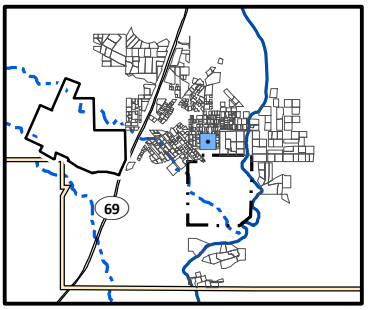
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

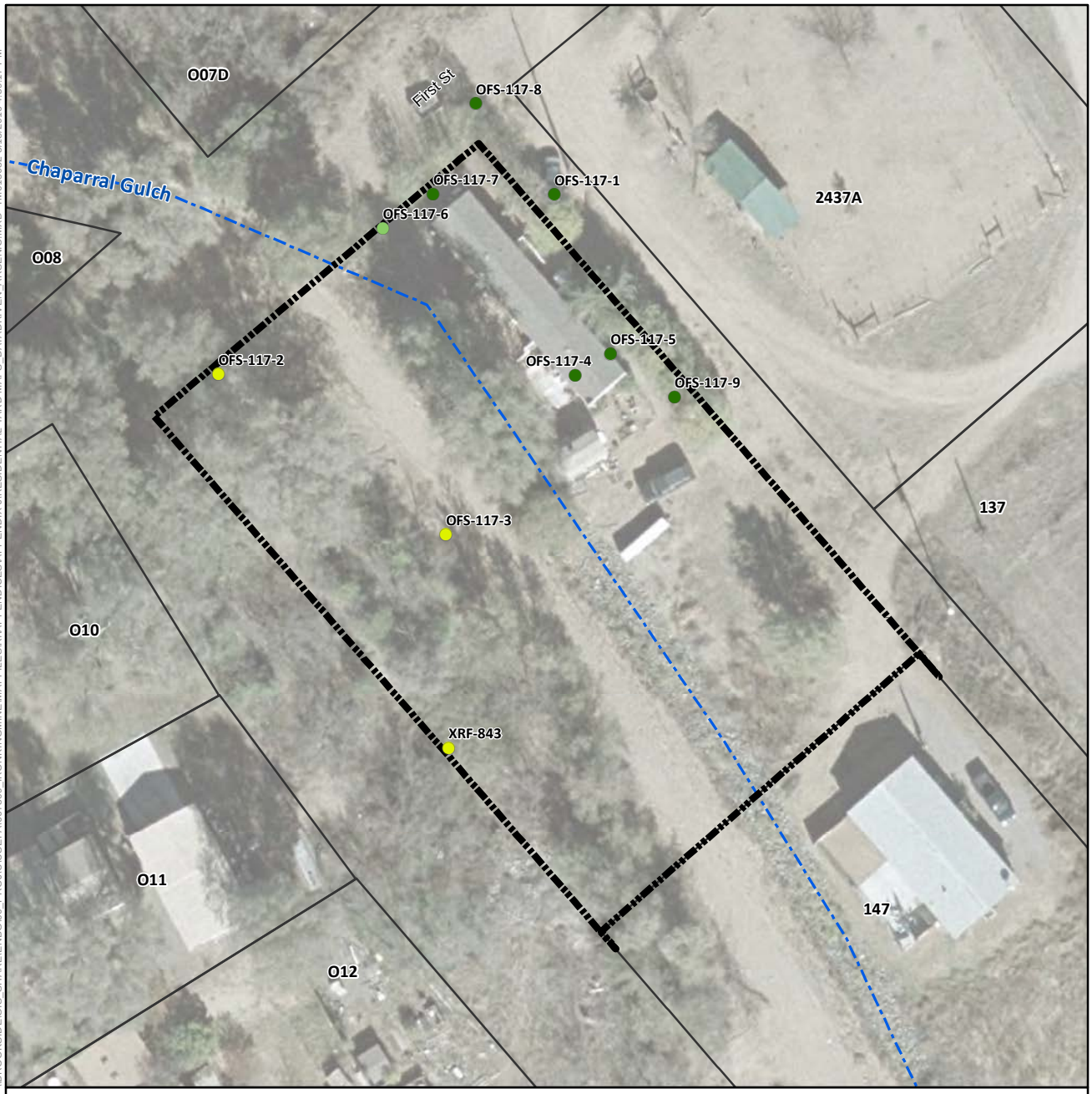


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 116 (Page 37 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

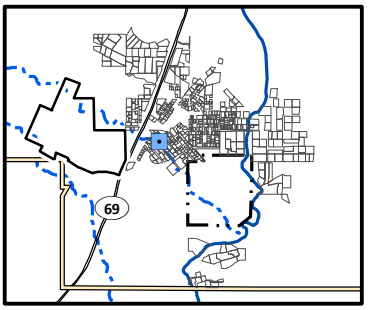


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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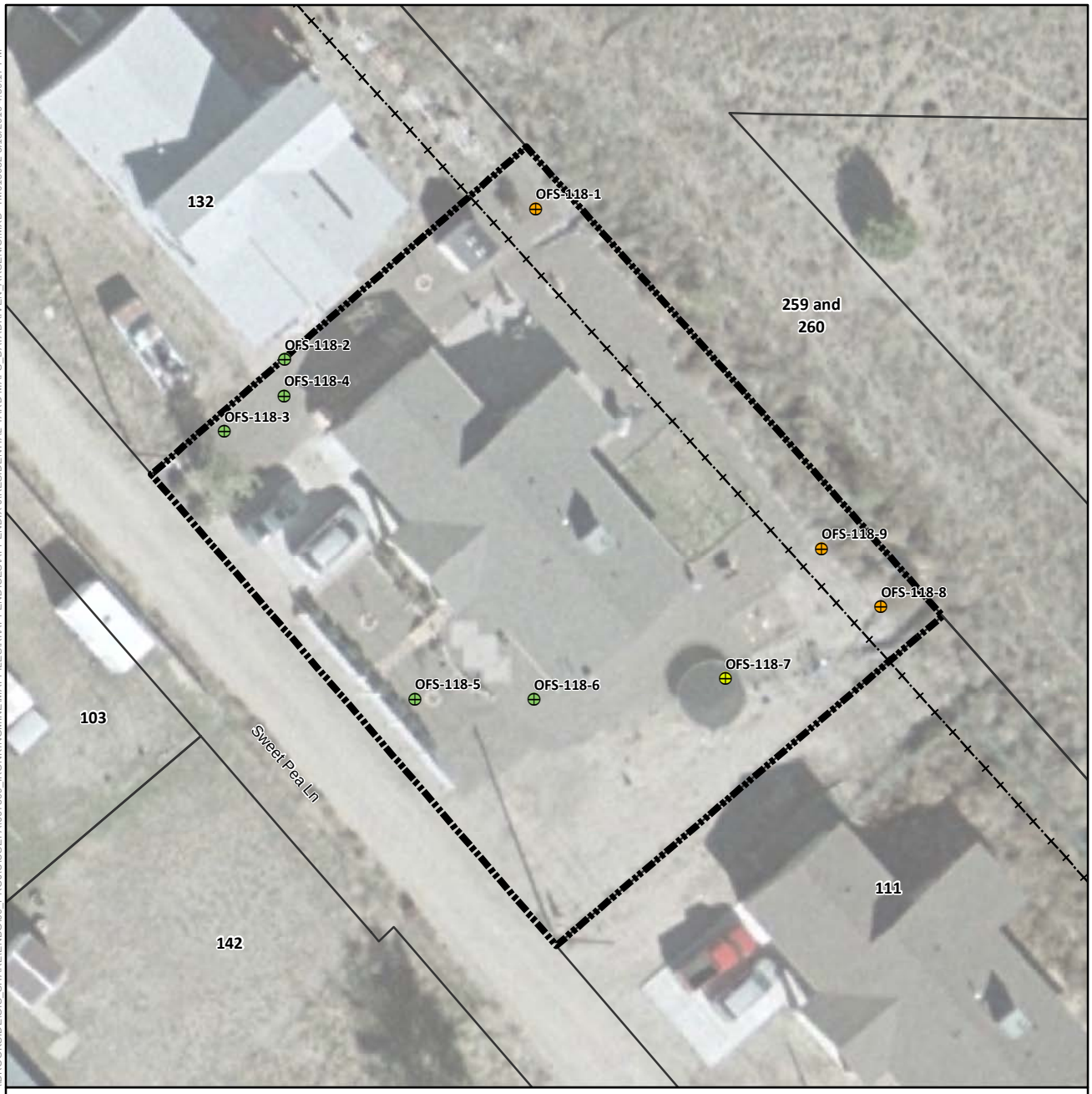
0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 117 (Page 38 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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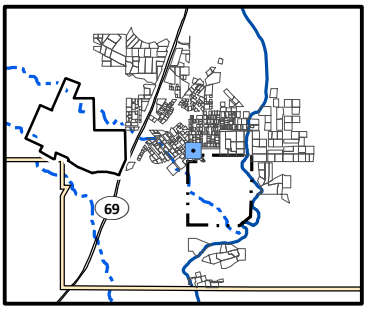
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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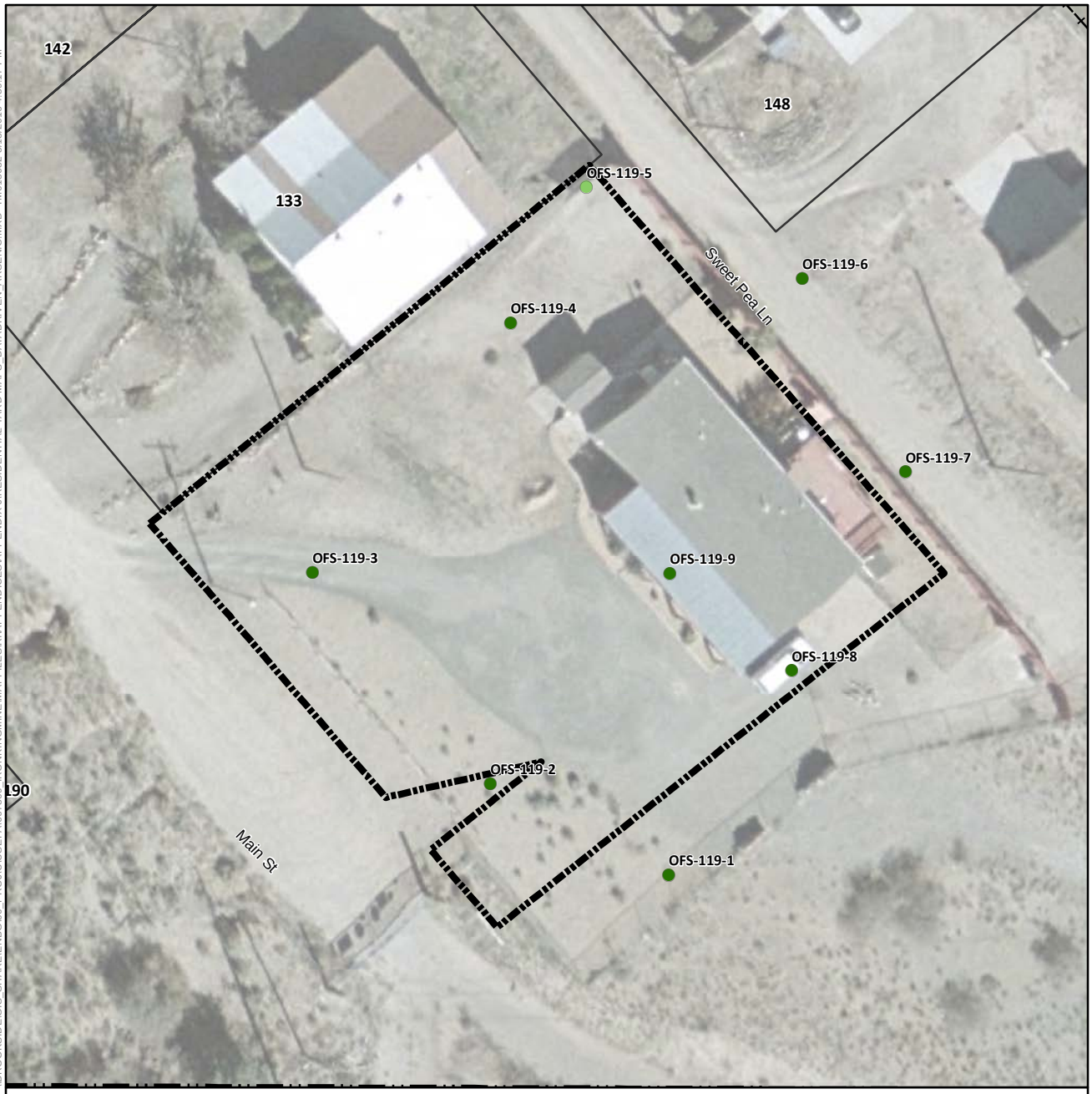
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 118 (Page 39 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



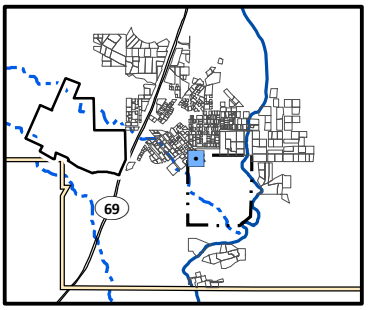
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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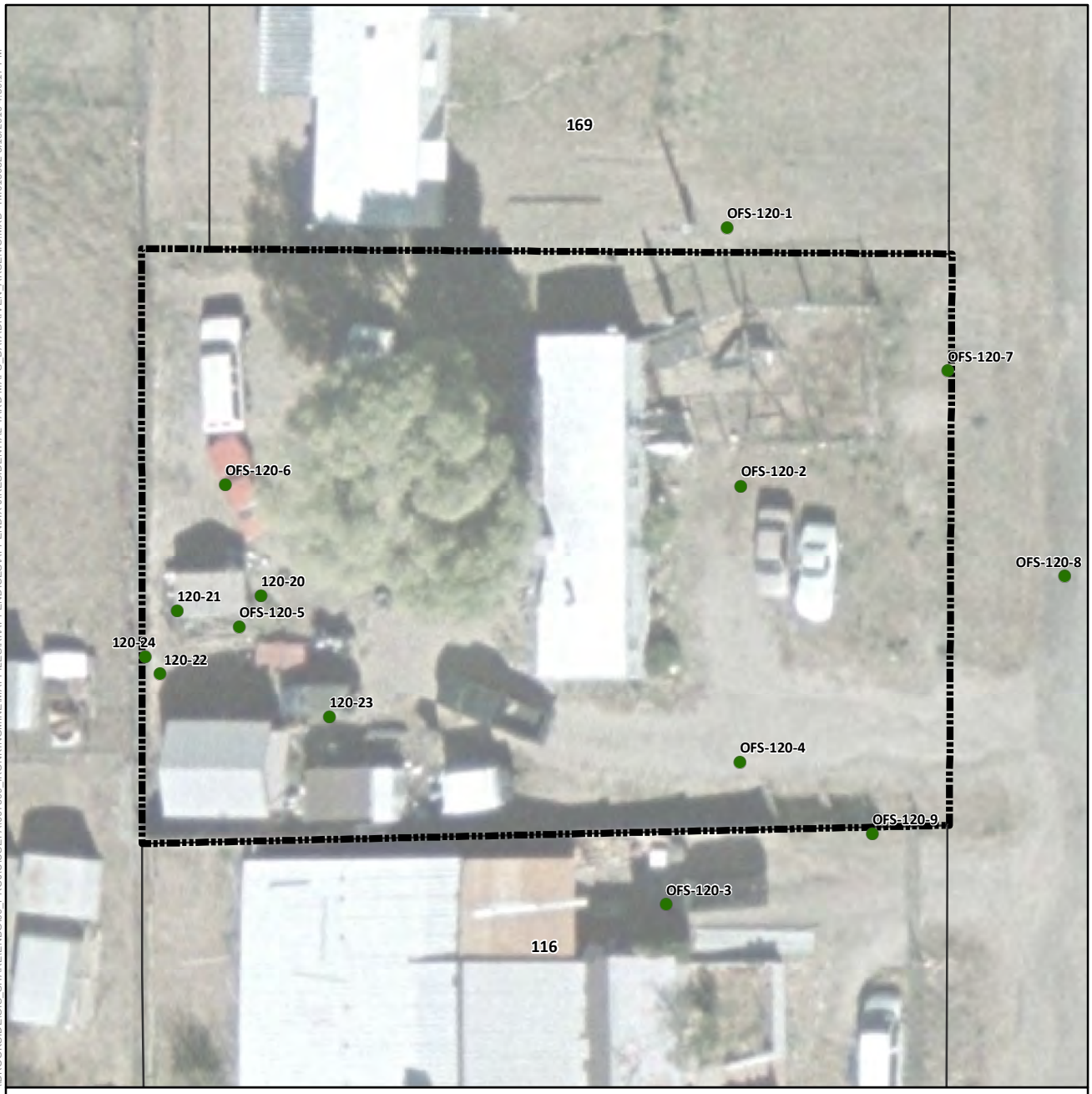


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 119 (Page 40 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

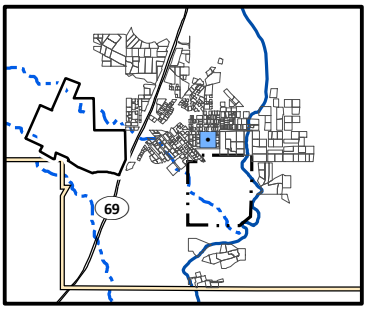


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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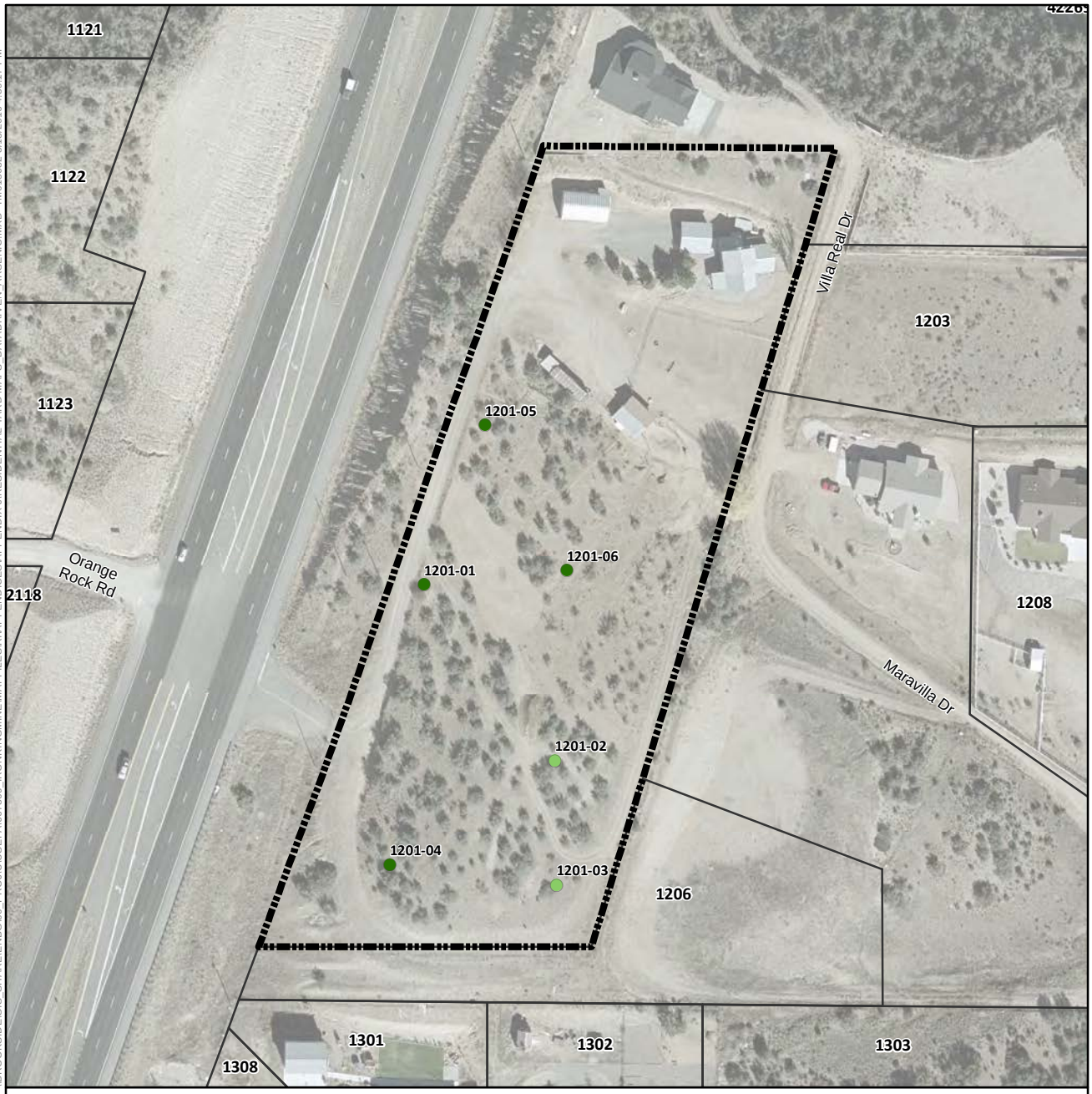
0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 120 (Page 41 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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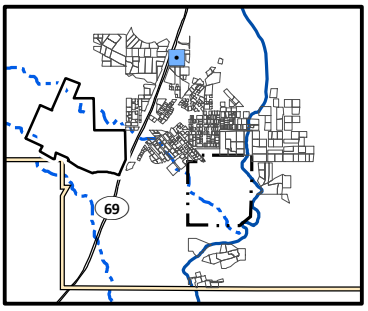
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

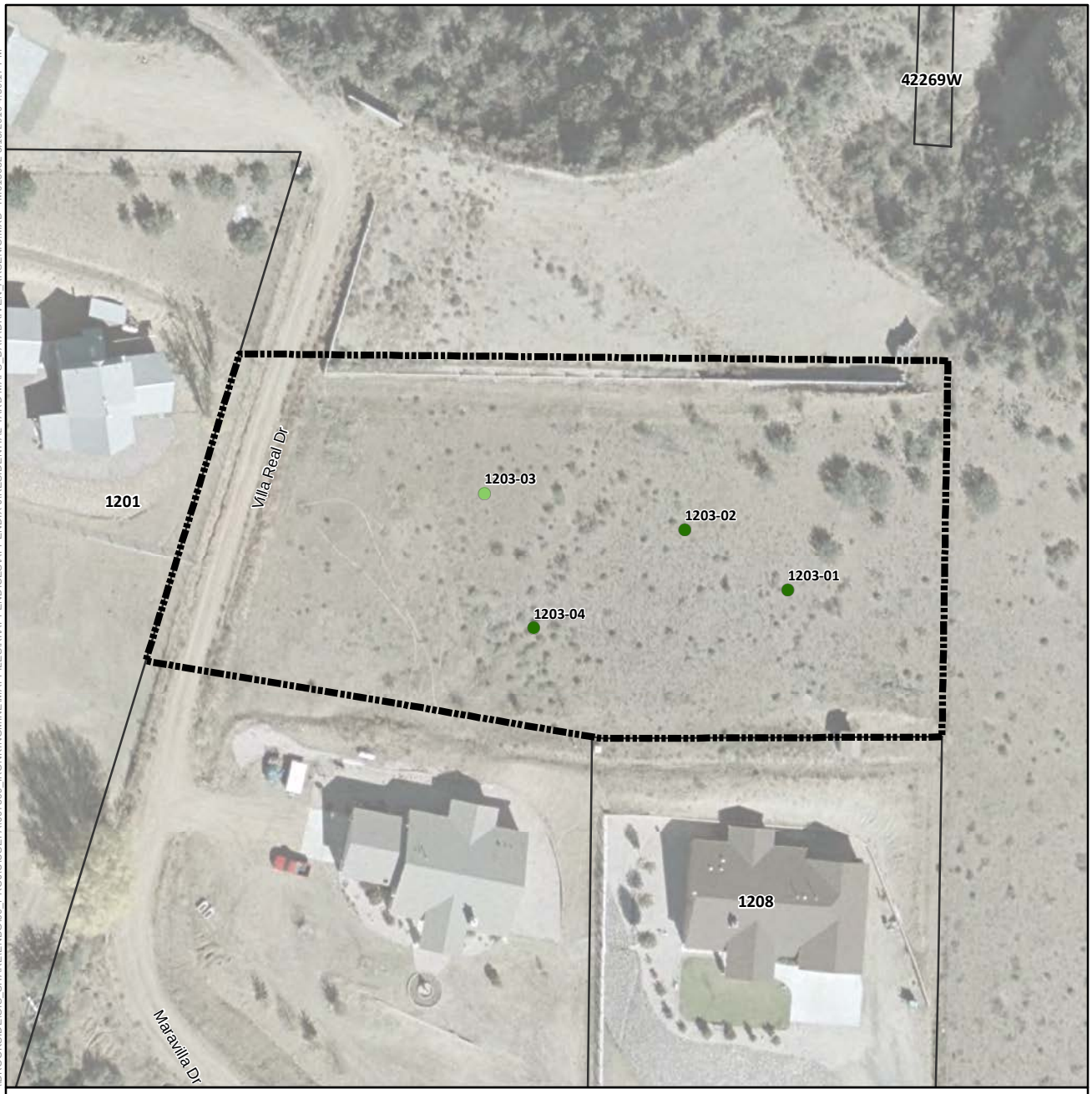
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 240
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1201 (Page 42 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



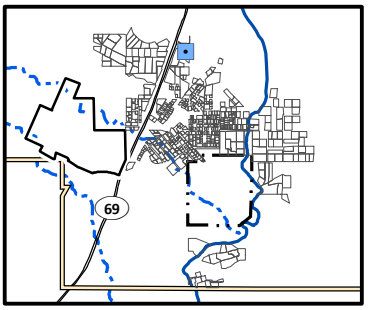
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
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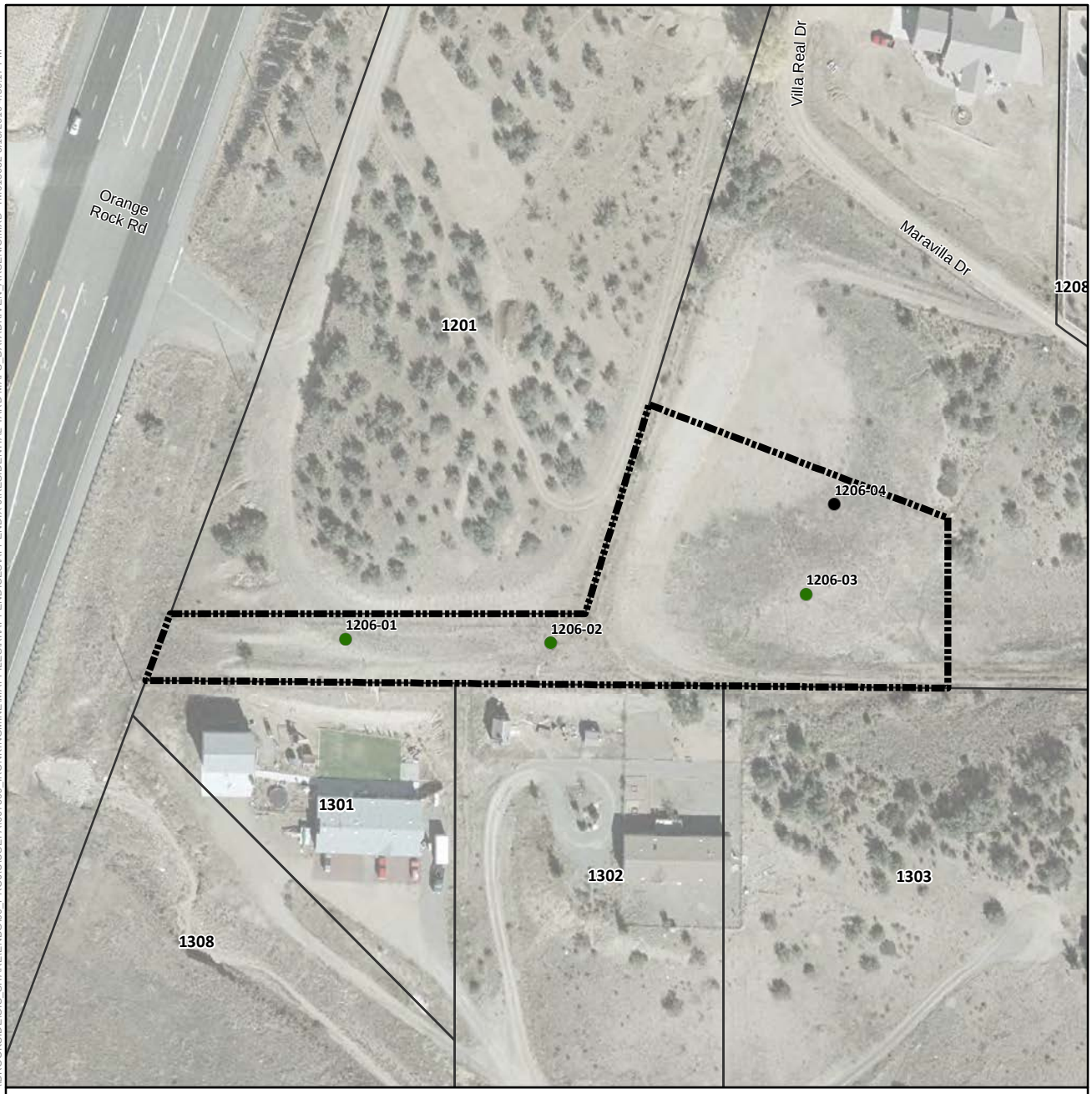


0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1203 (Page 43 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



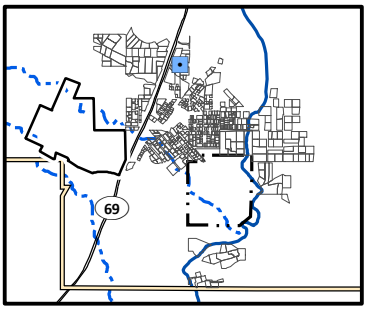
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
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- >194 to 400
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 190
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1206 (Page 44 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



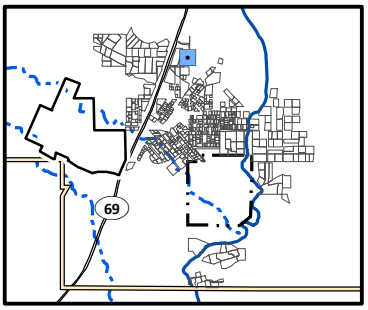
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

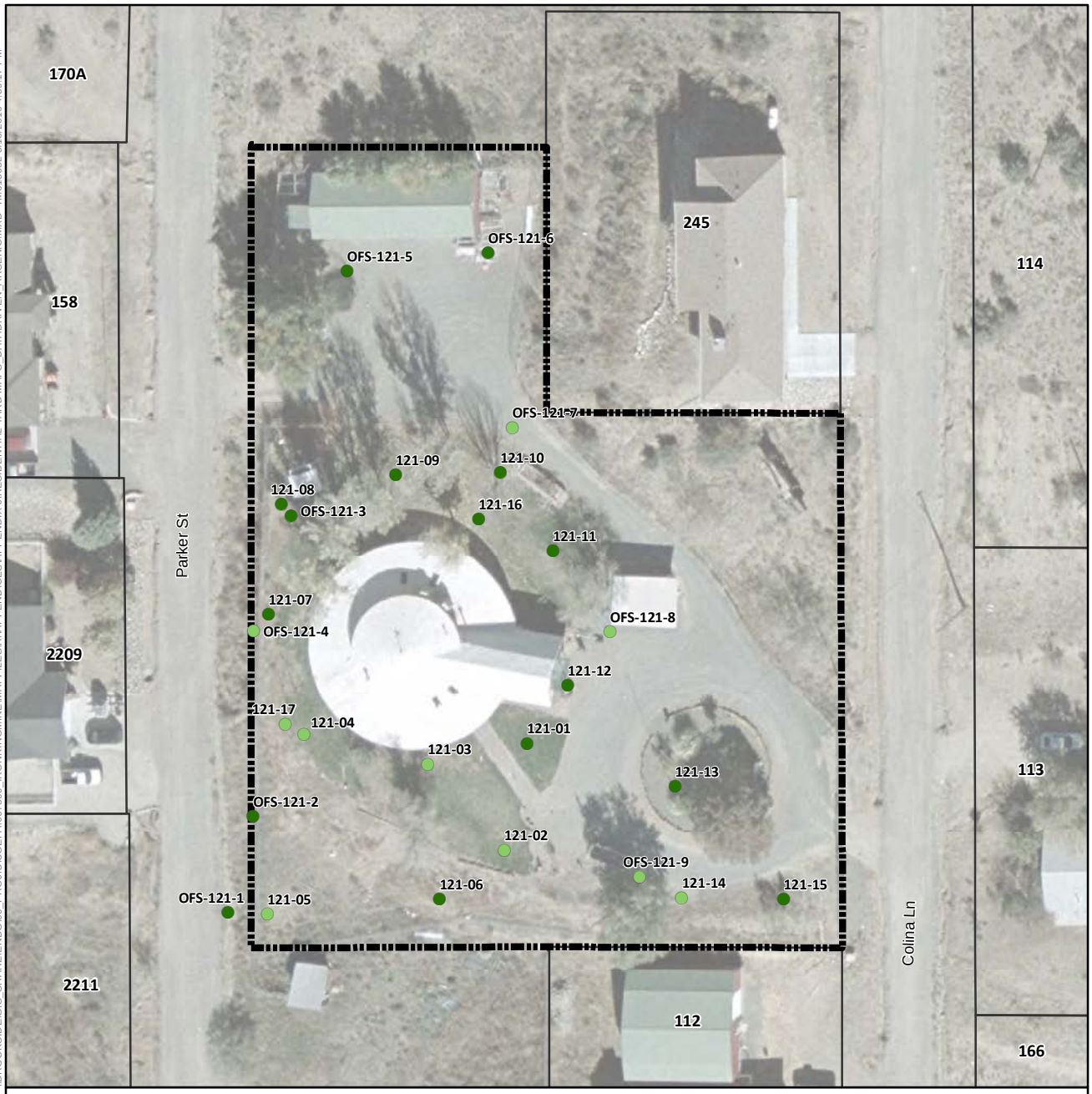


0 120
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1208 (Page 45 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



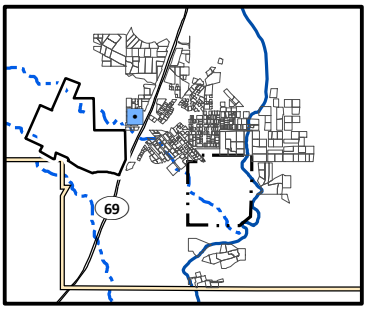
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

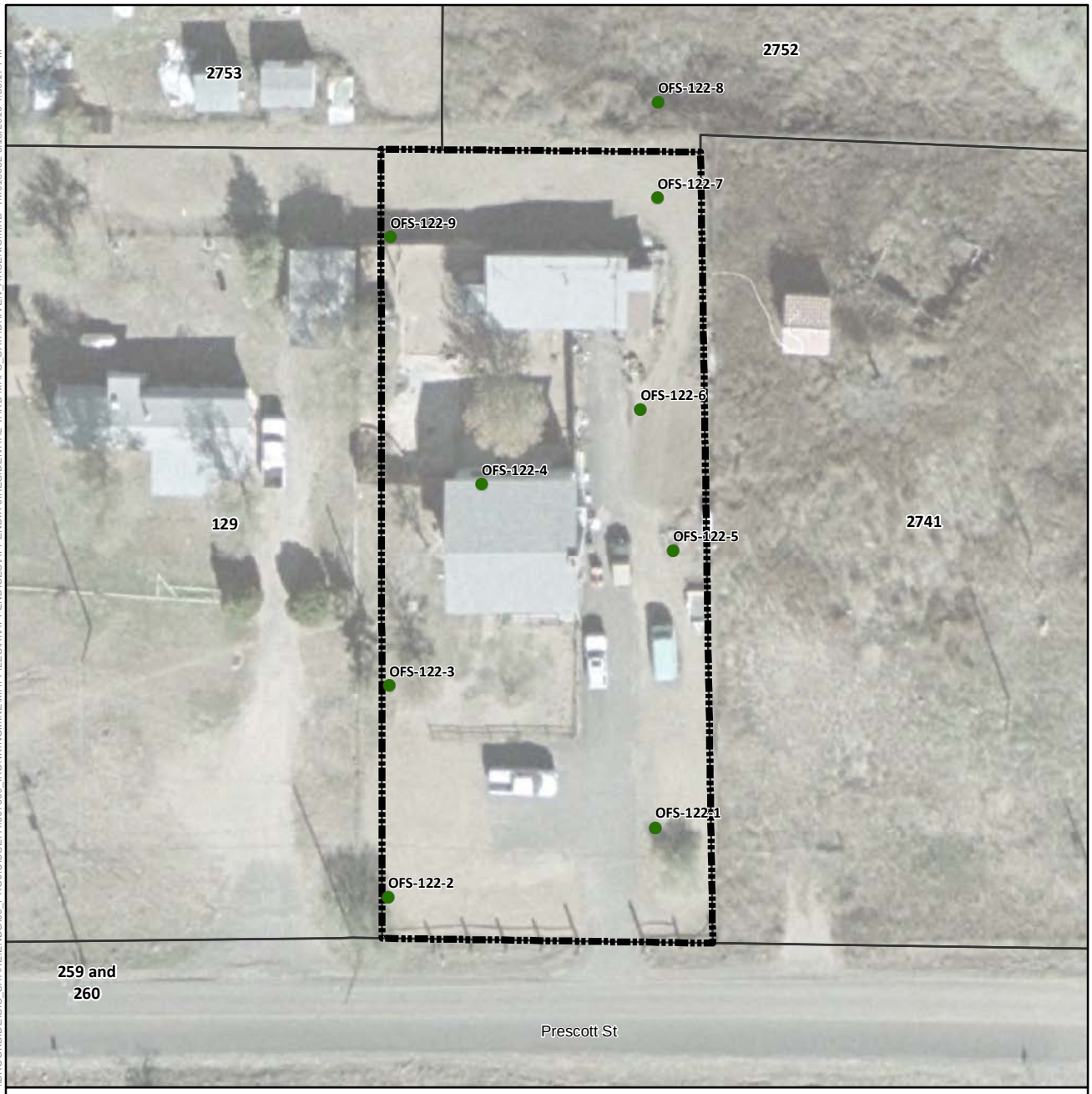
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 121 (Page 46 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



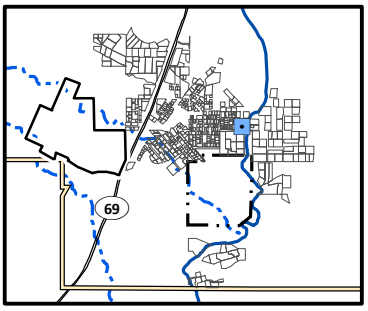
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

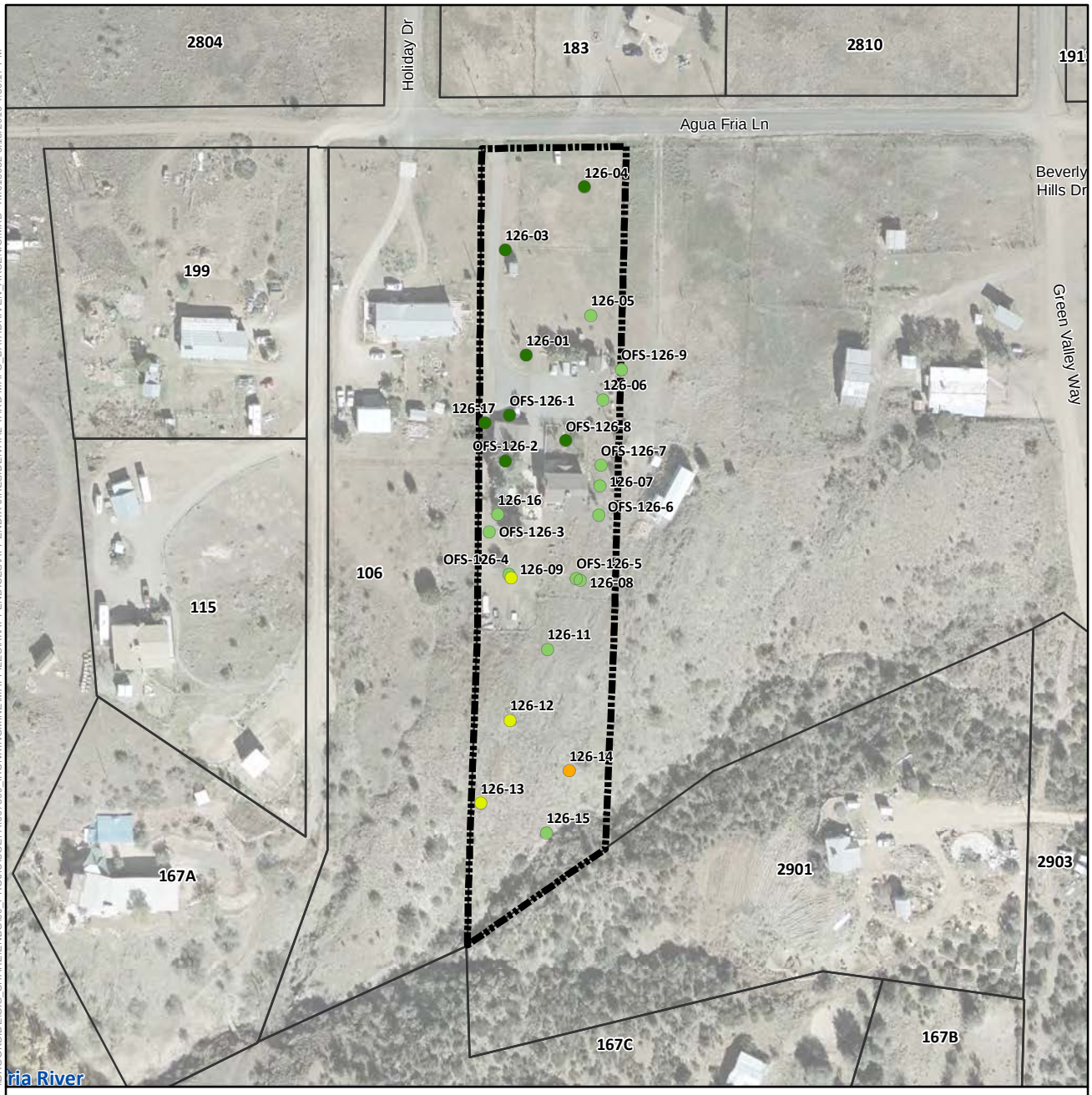


0 70
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 122 (Page 47 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

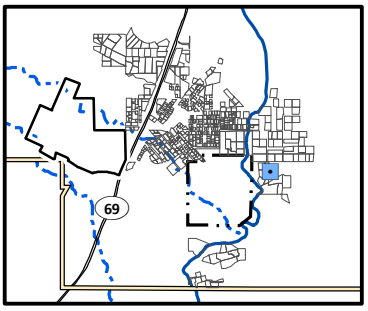


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

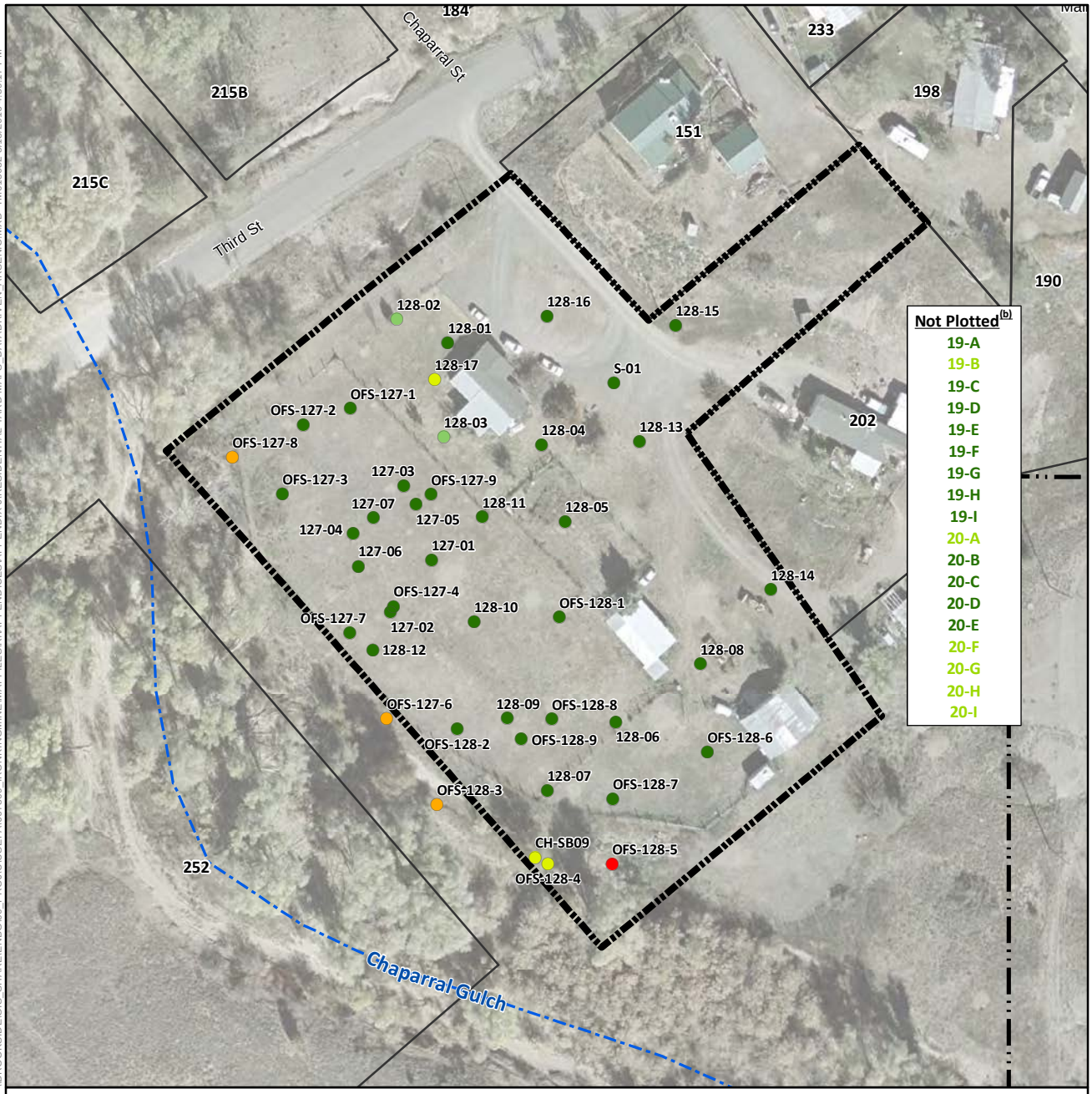


0 270
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 126 (Page 48 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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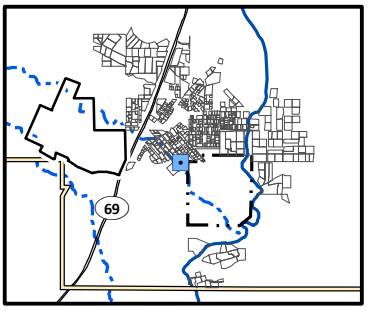
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 19-A through 19-I and 20-A through 20-I are not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

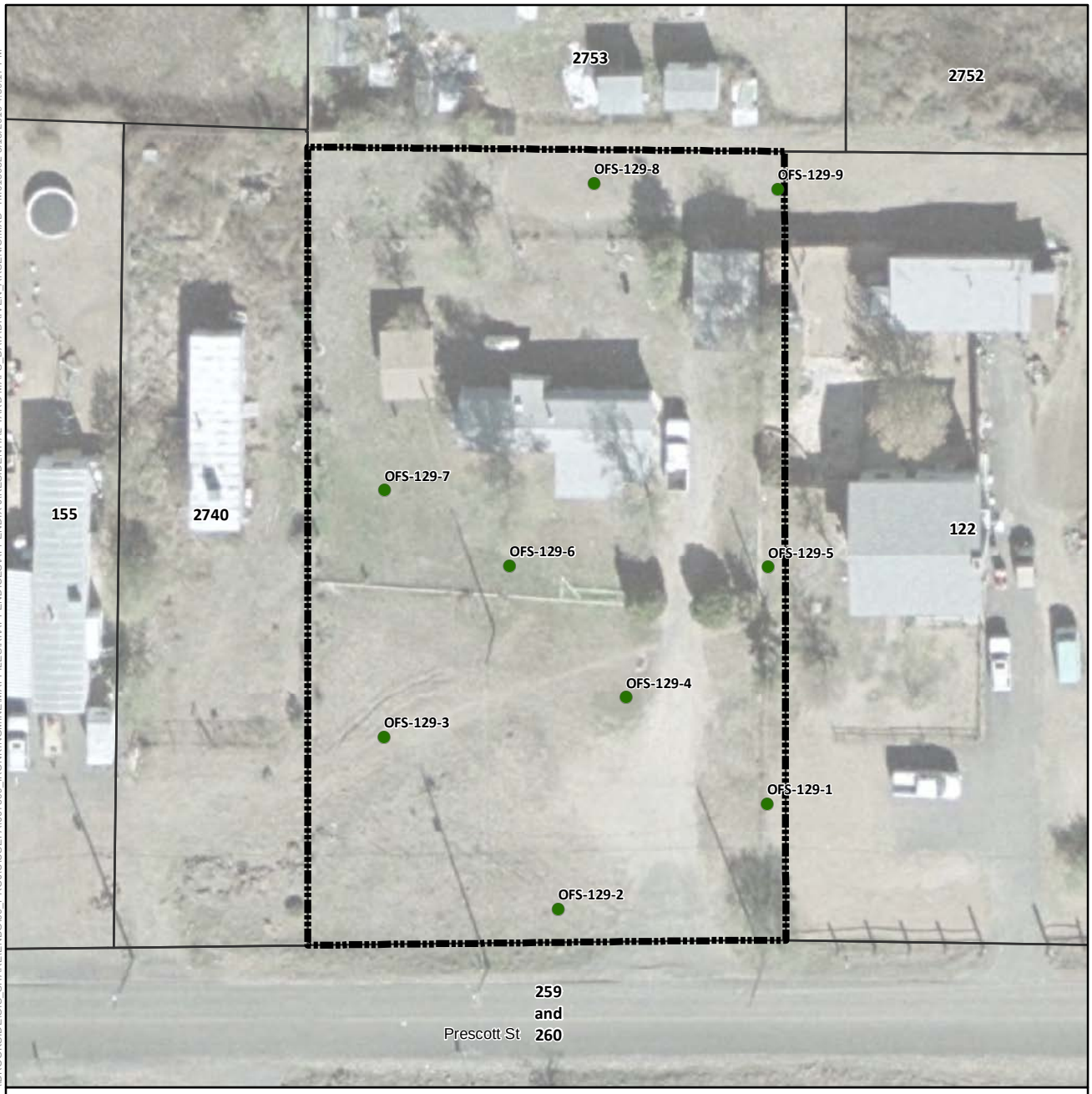
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 175
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 127 (Page 49 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



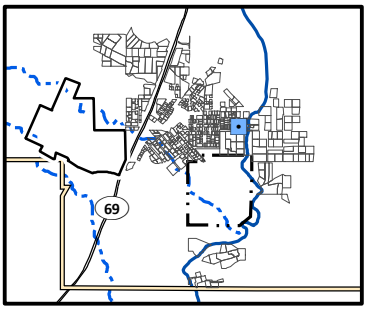
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 129 (Page 50 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\U\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

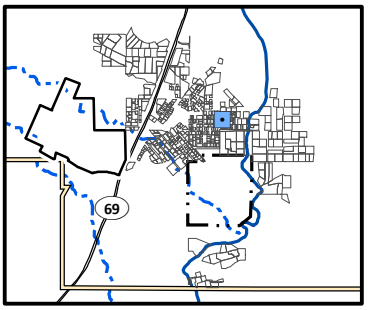


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 130 (Page 51 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



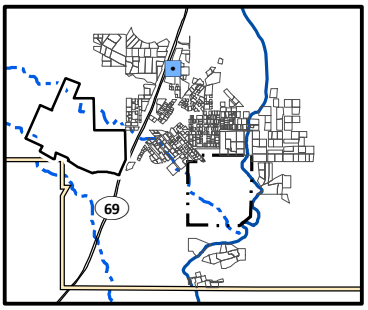
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1301 (Page 52 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



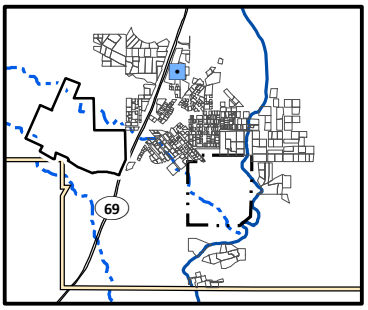
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1302 (Page 53 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



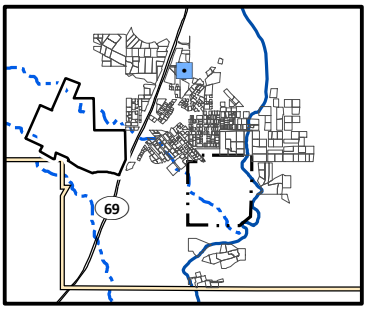
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

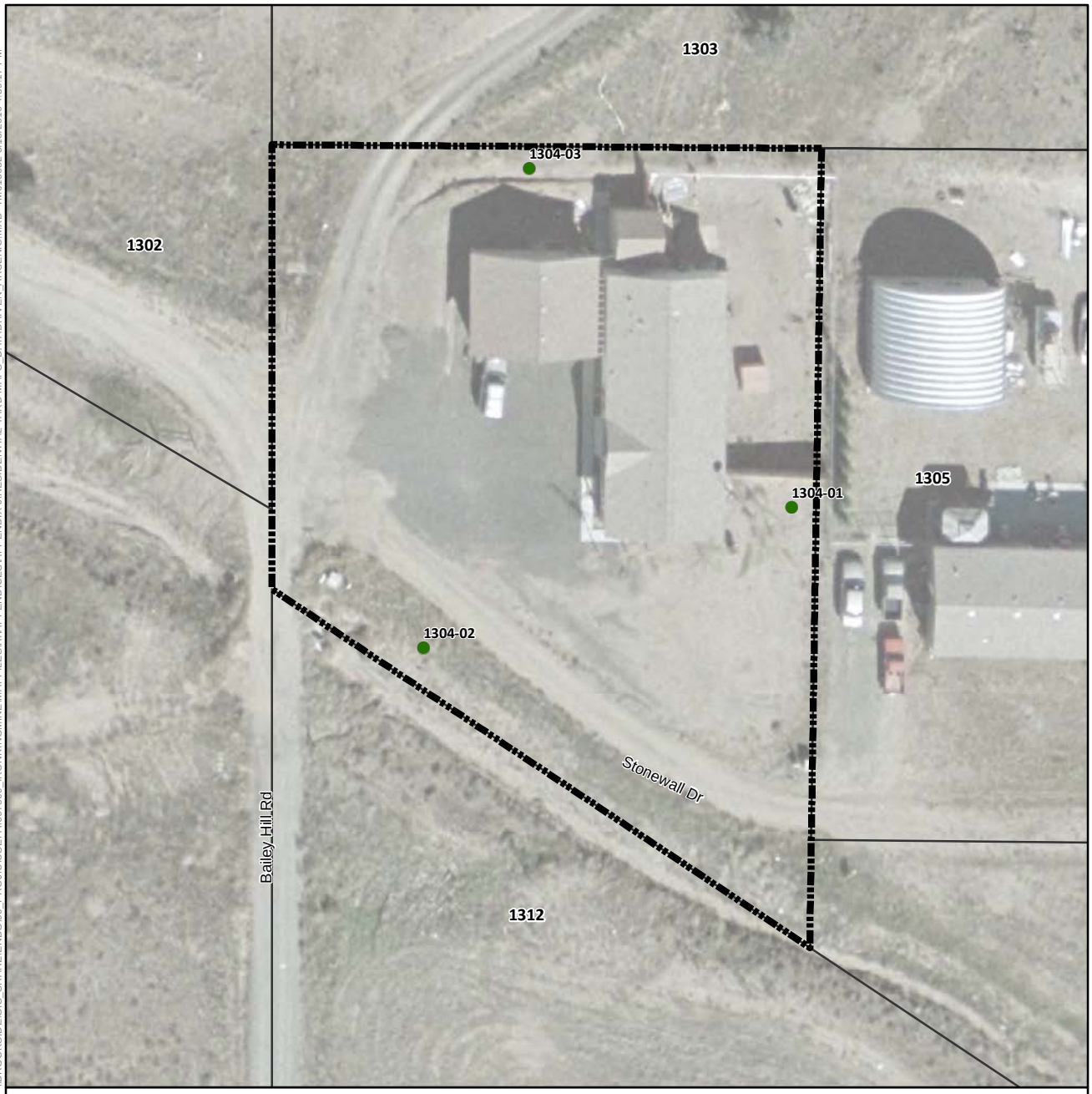


0 125
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1303 (Page 54 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



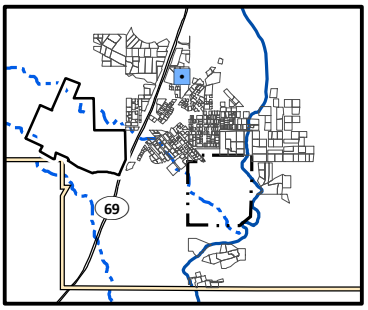
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1304 (Page 55 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



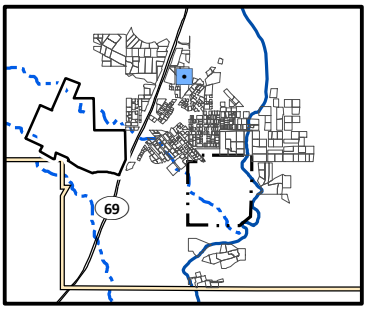
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

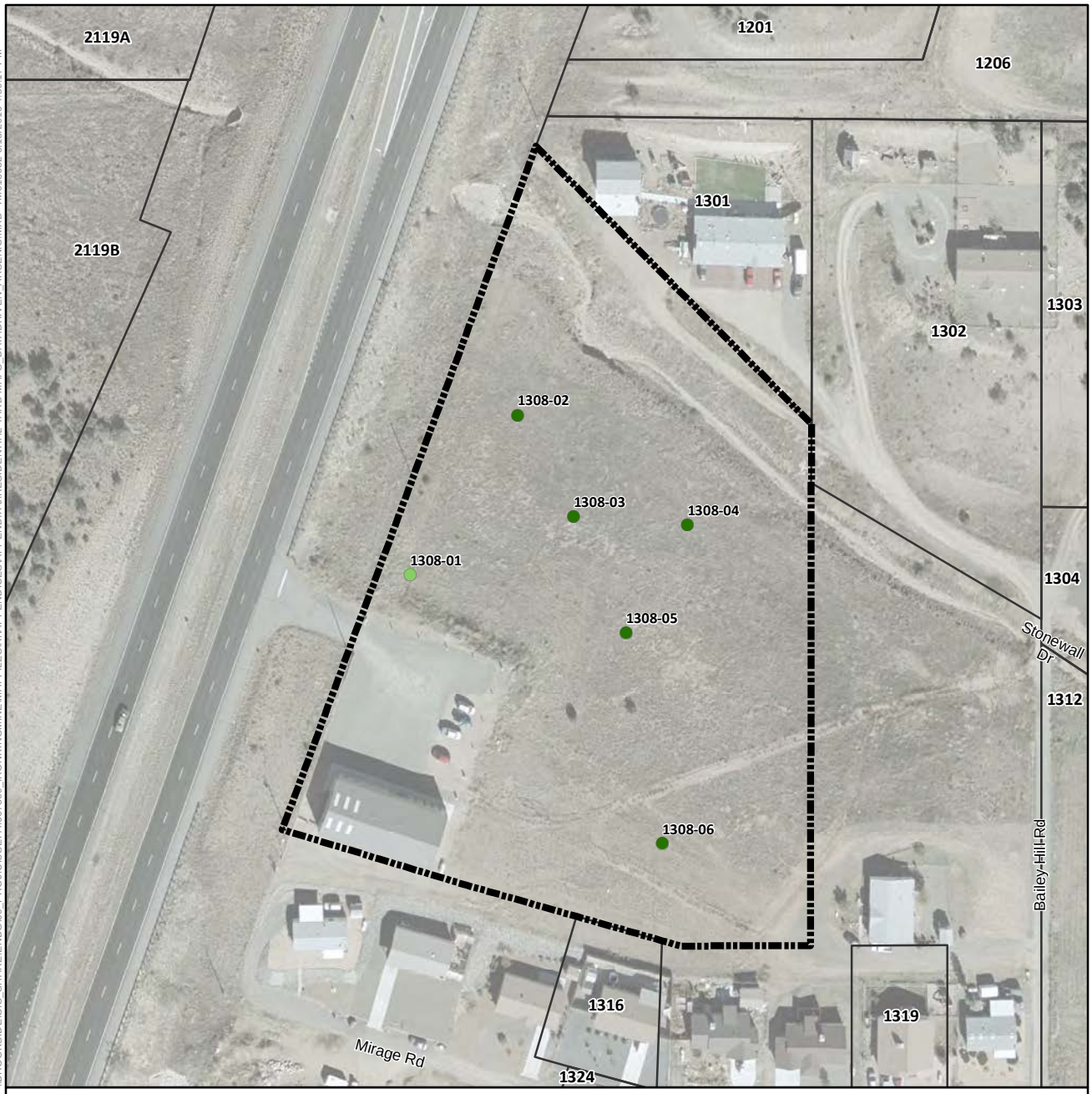


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1305 (Page 56 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



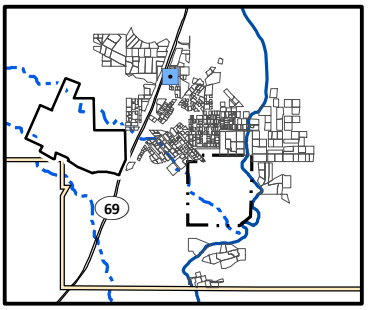
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 225
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1308 (Page 57 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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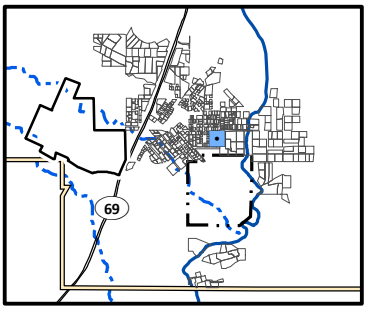


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

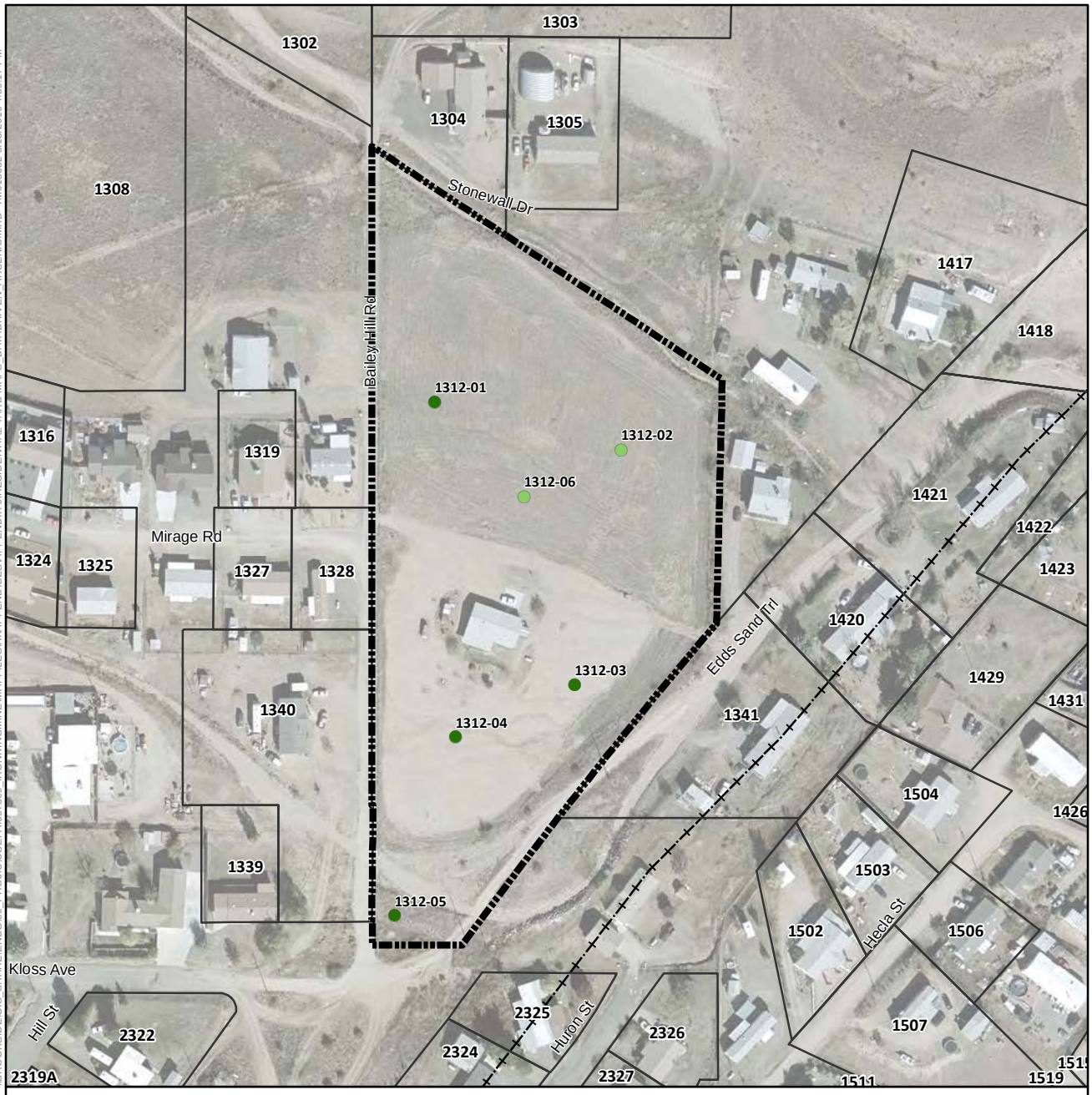
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 131 (Page 58 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

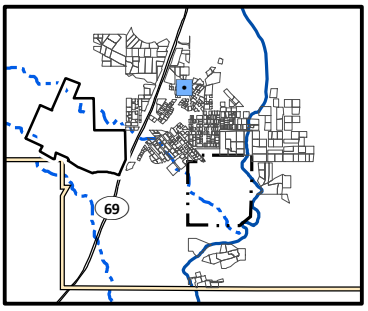


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



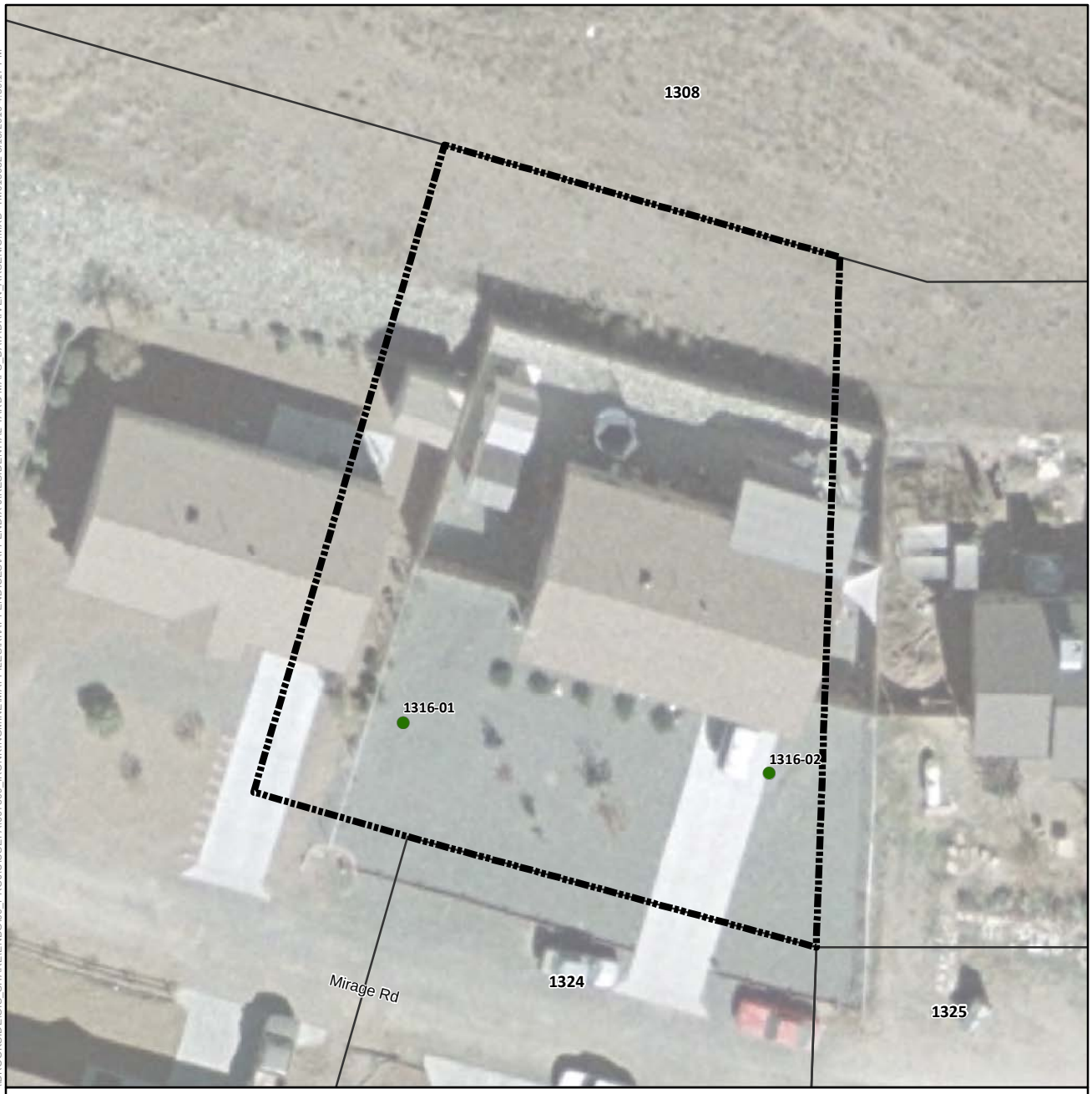
0 280
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1312 (Page 59 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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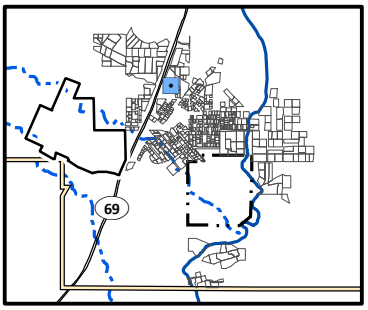


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1316 (Page 60 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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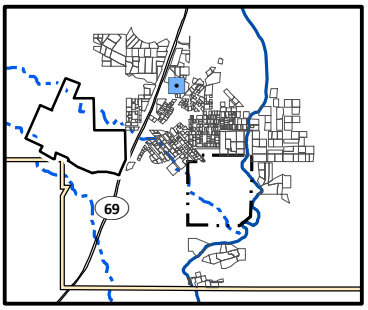


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



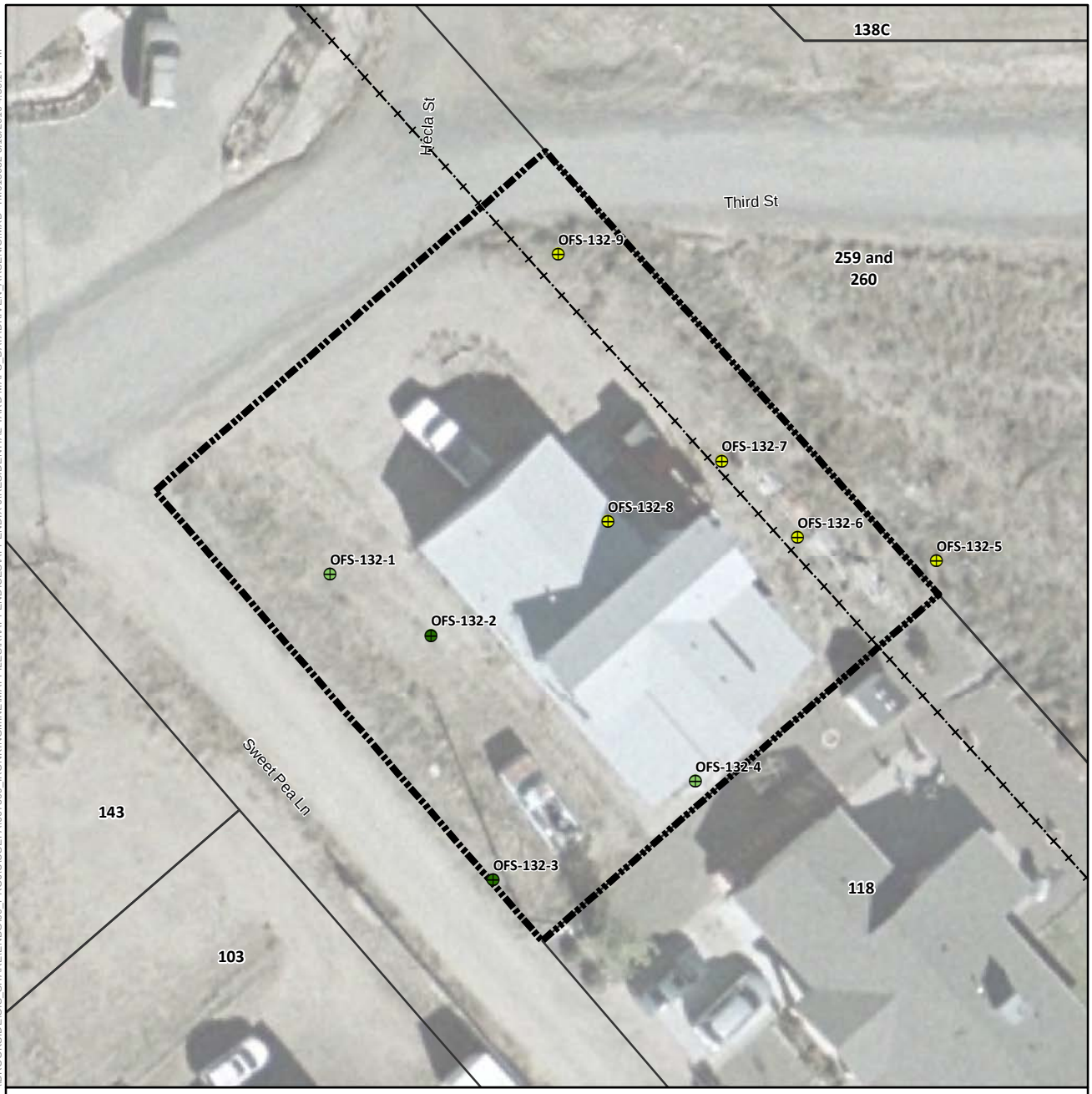
0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1319 (Page 61 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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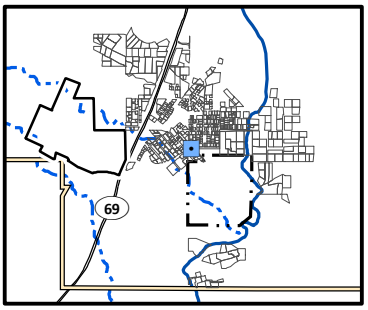


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

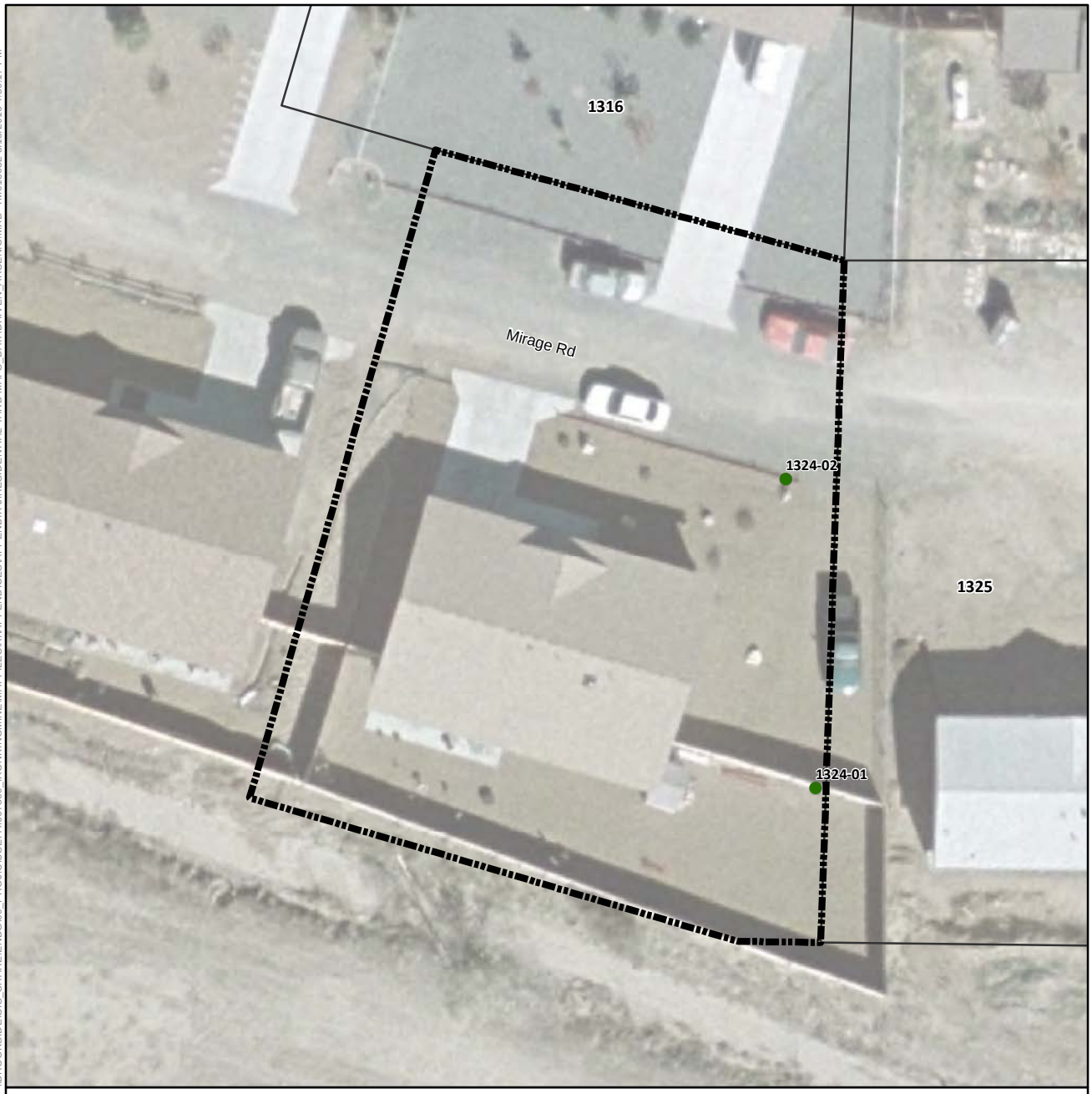


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 132 (Page 62 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

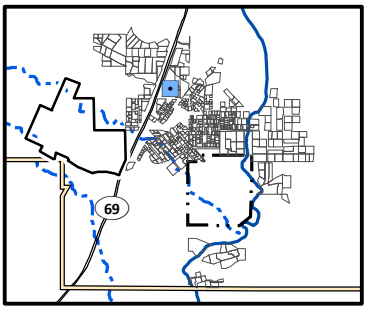


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1324 (Page 63 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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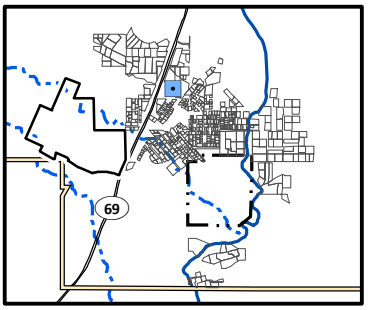
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1325 (Page 64 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

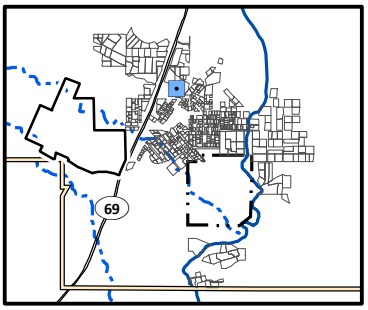


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1327 (Page 65 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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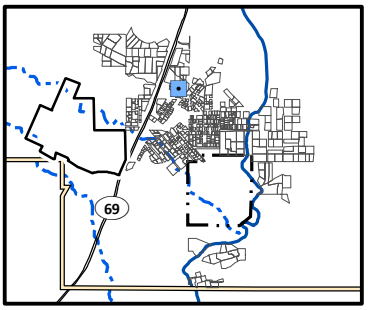


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



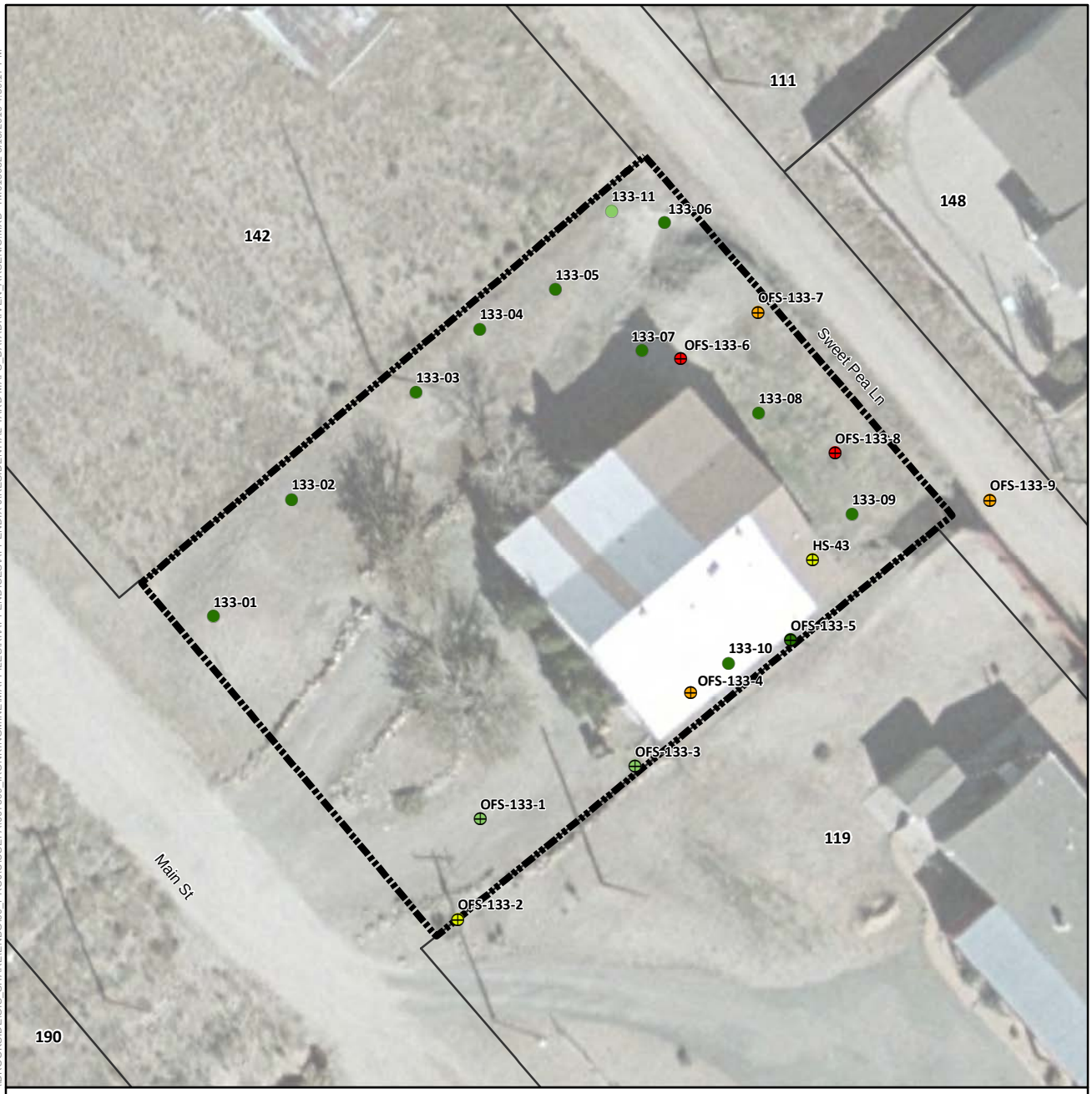
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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1328 (Page 66 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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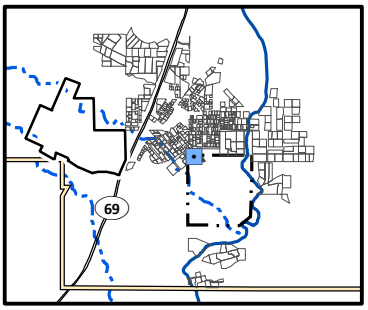
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 133 (Page 67 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

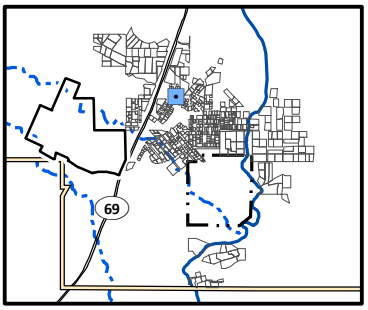


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



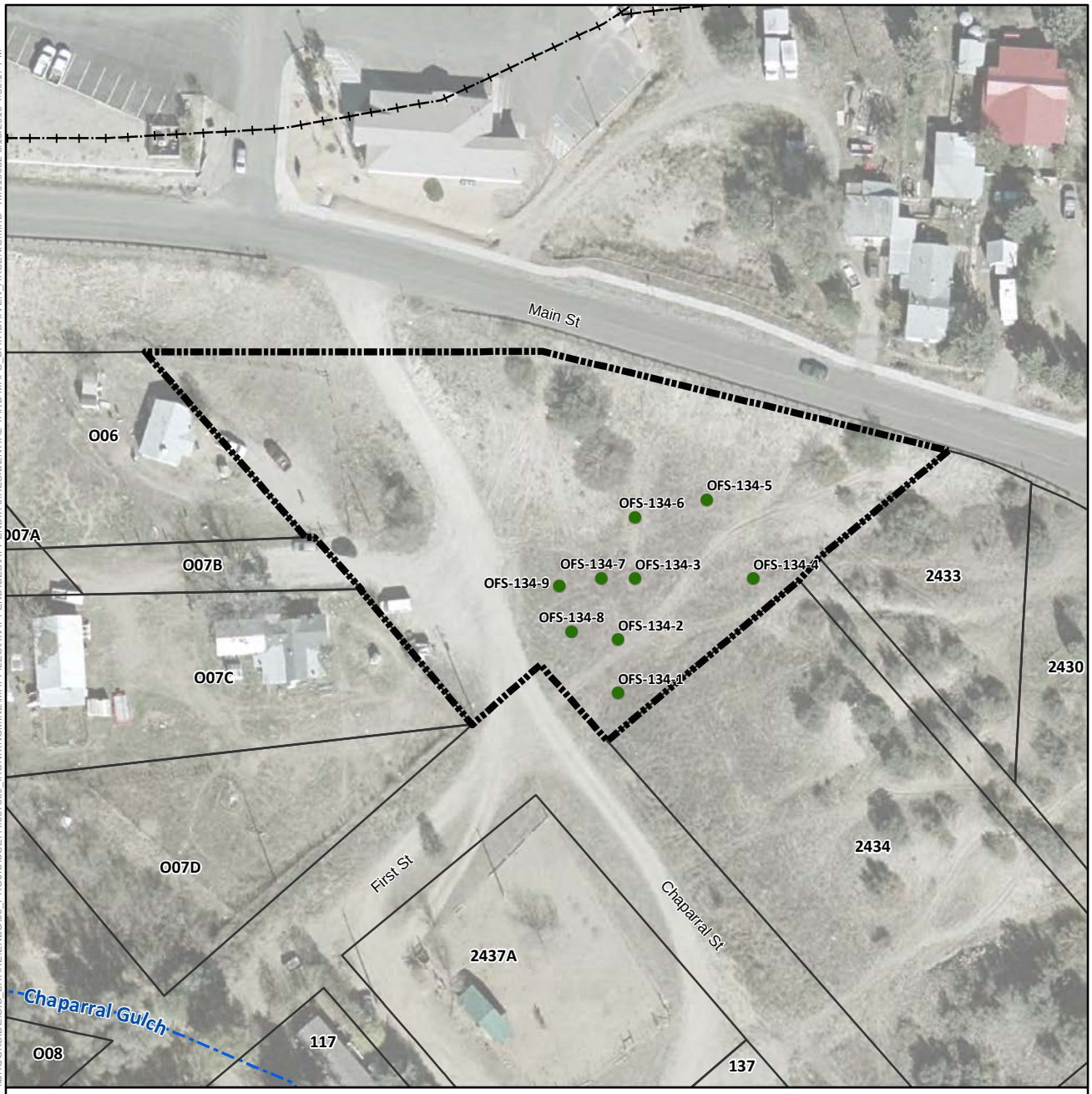
0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1339 (Page 68 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJU\USEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL_YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM



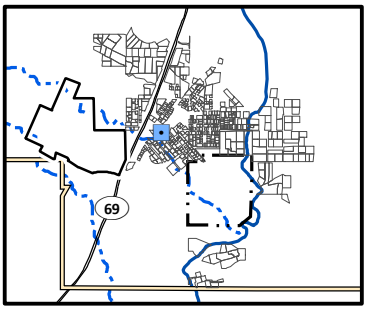
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

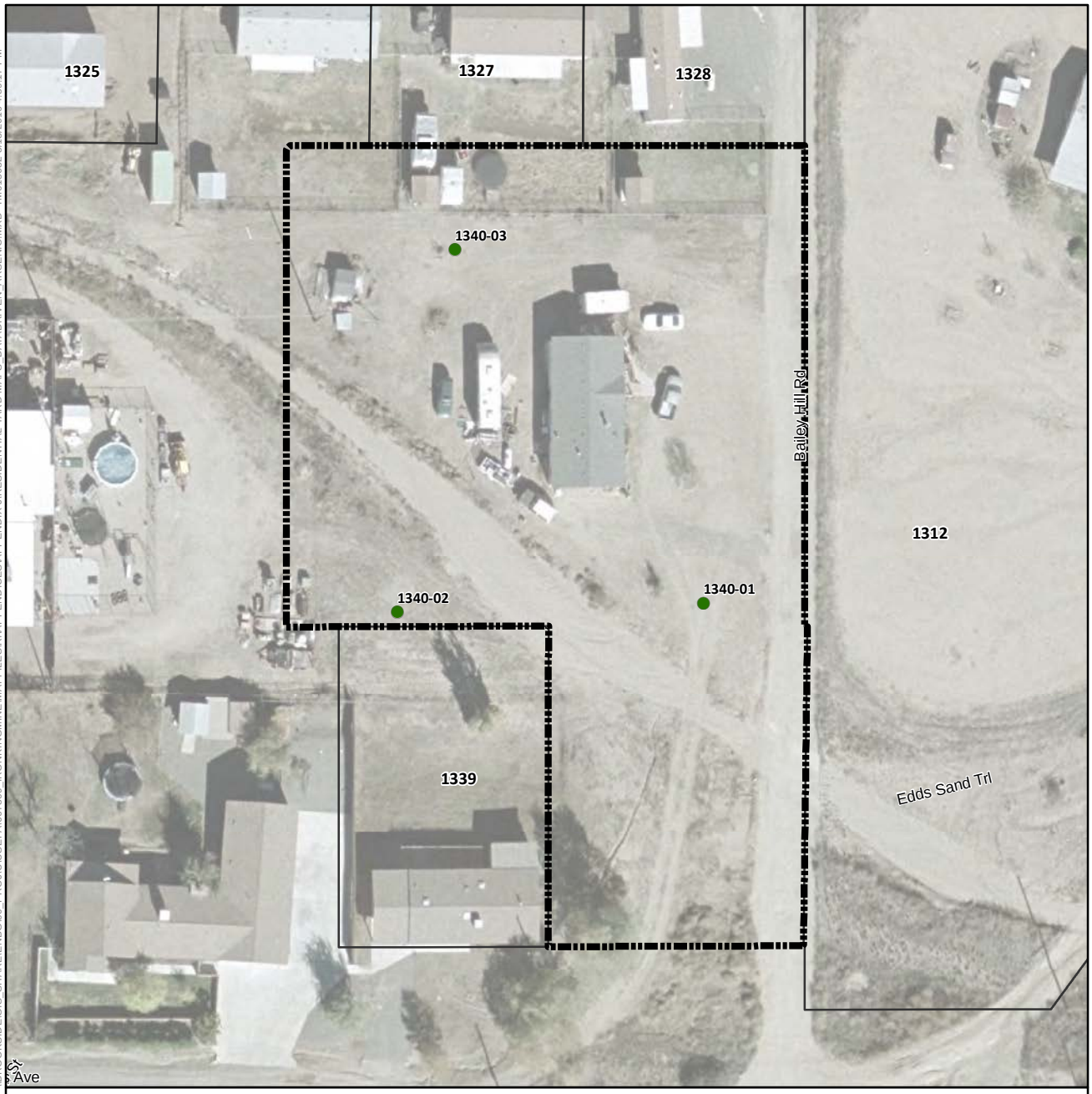
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 134 (Page 69 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



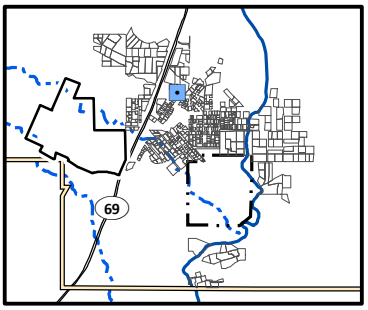
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

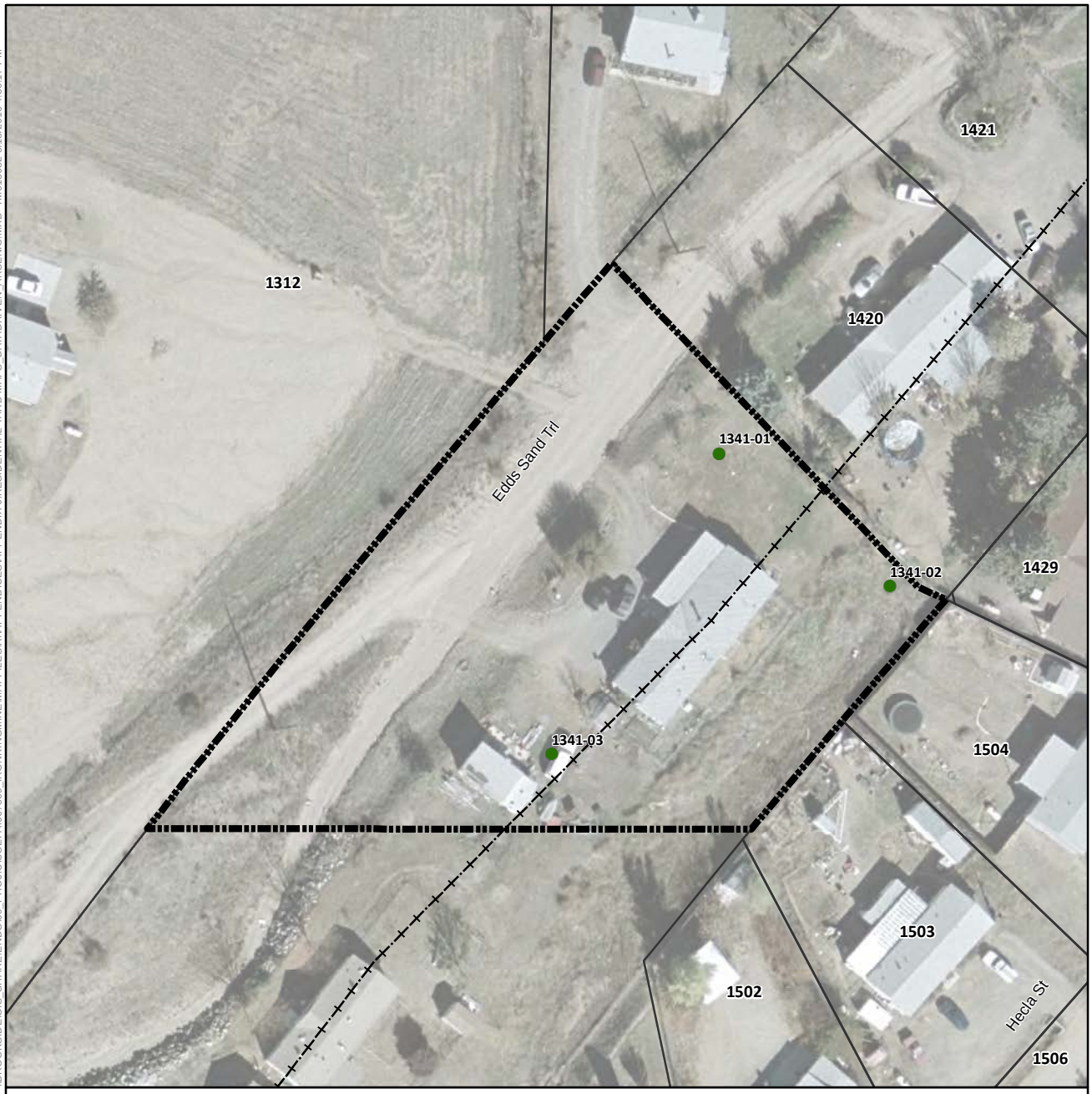


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1340 (Page 70 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



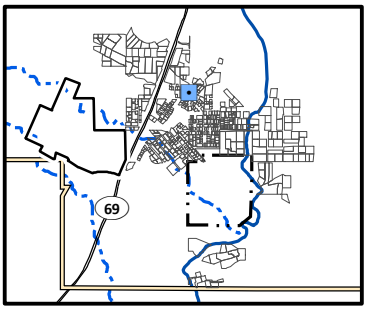
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1341 (Page 71 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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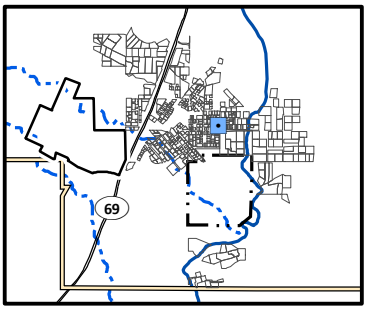


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

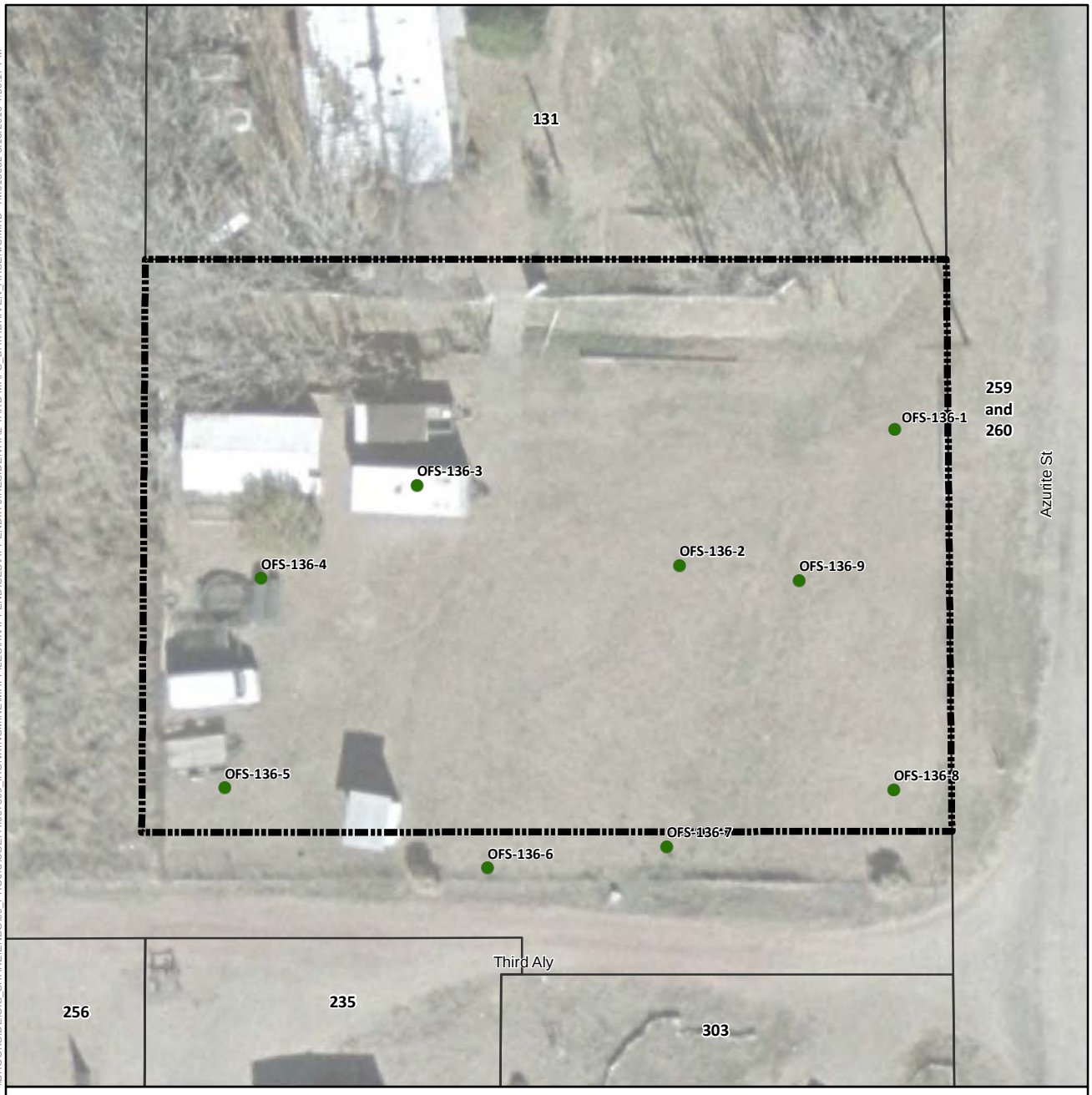


0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 135 (Page 72 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



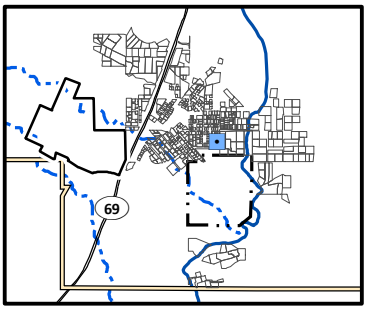
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

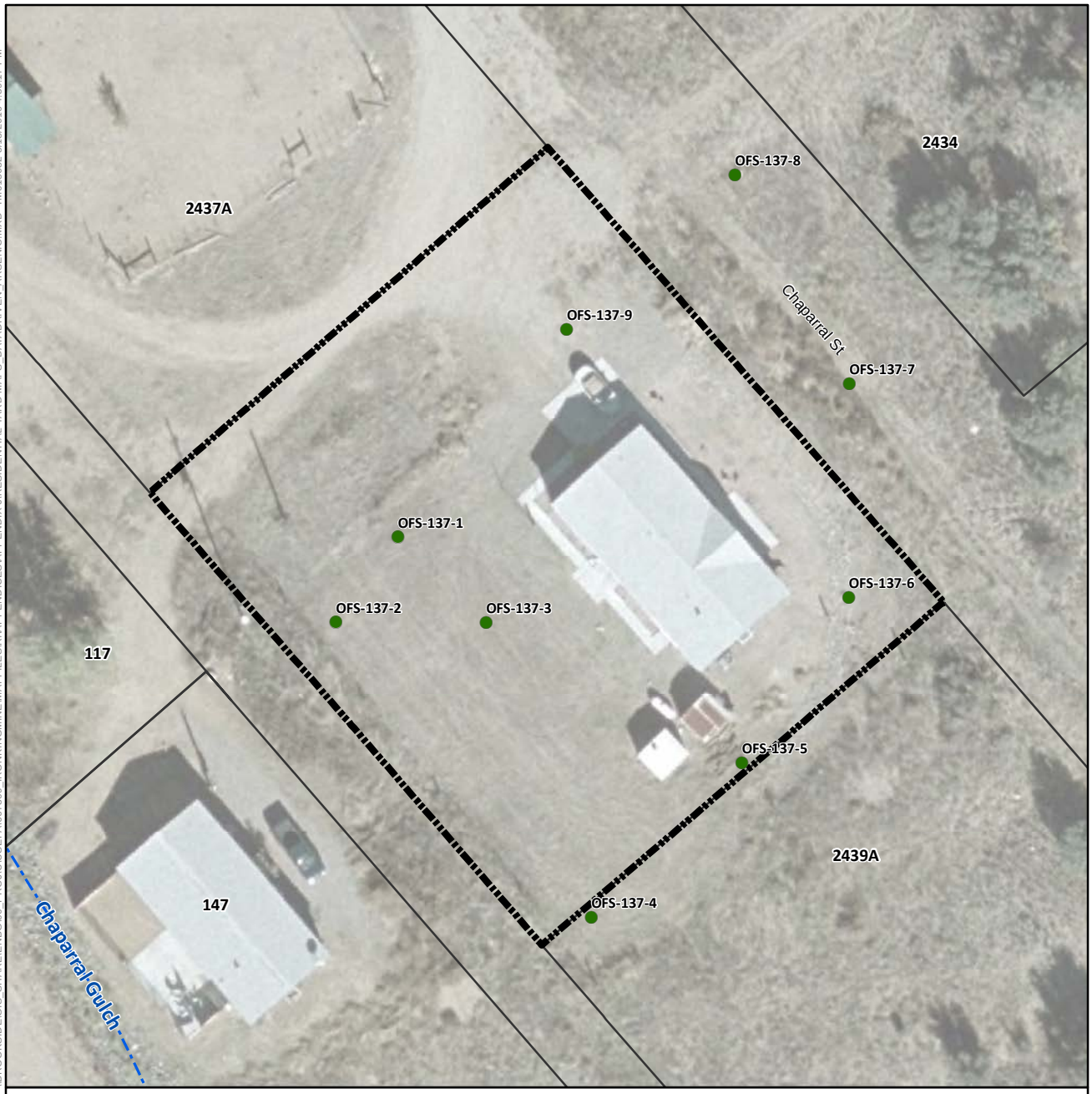


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 136 (Page 73 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



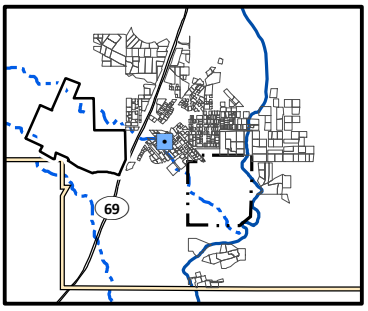
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 137 (Page 74 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



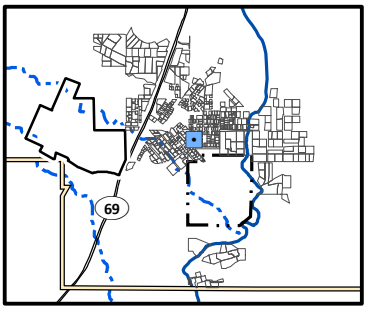
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

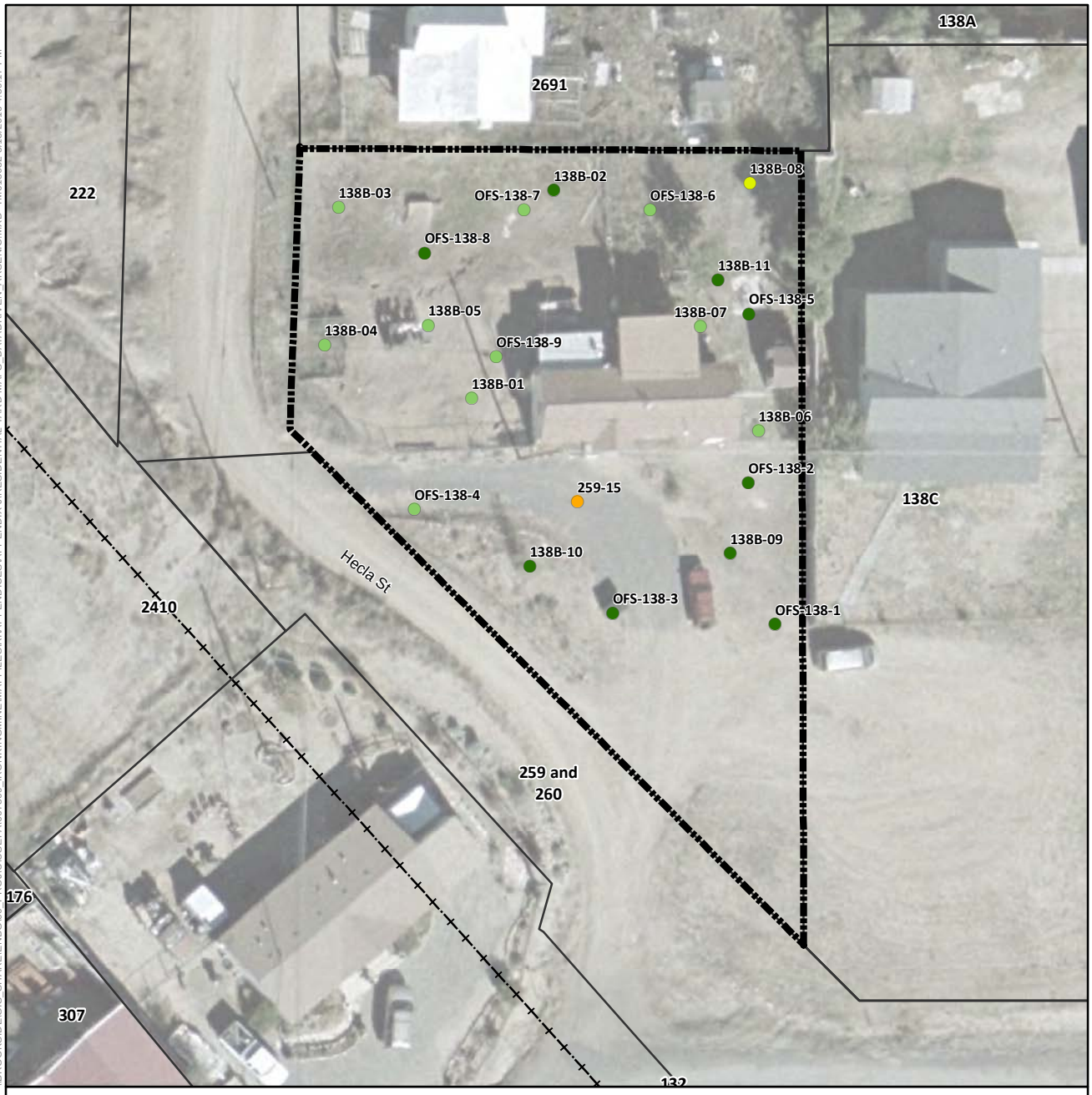


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 138A (Page 75 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



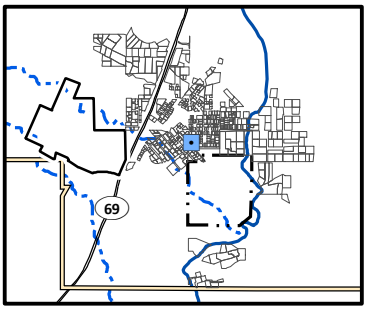
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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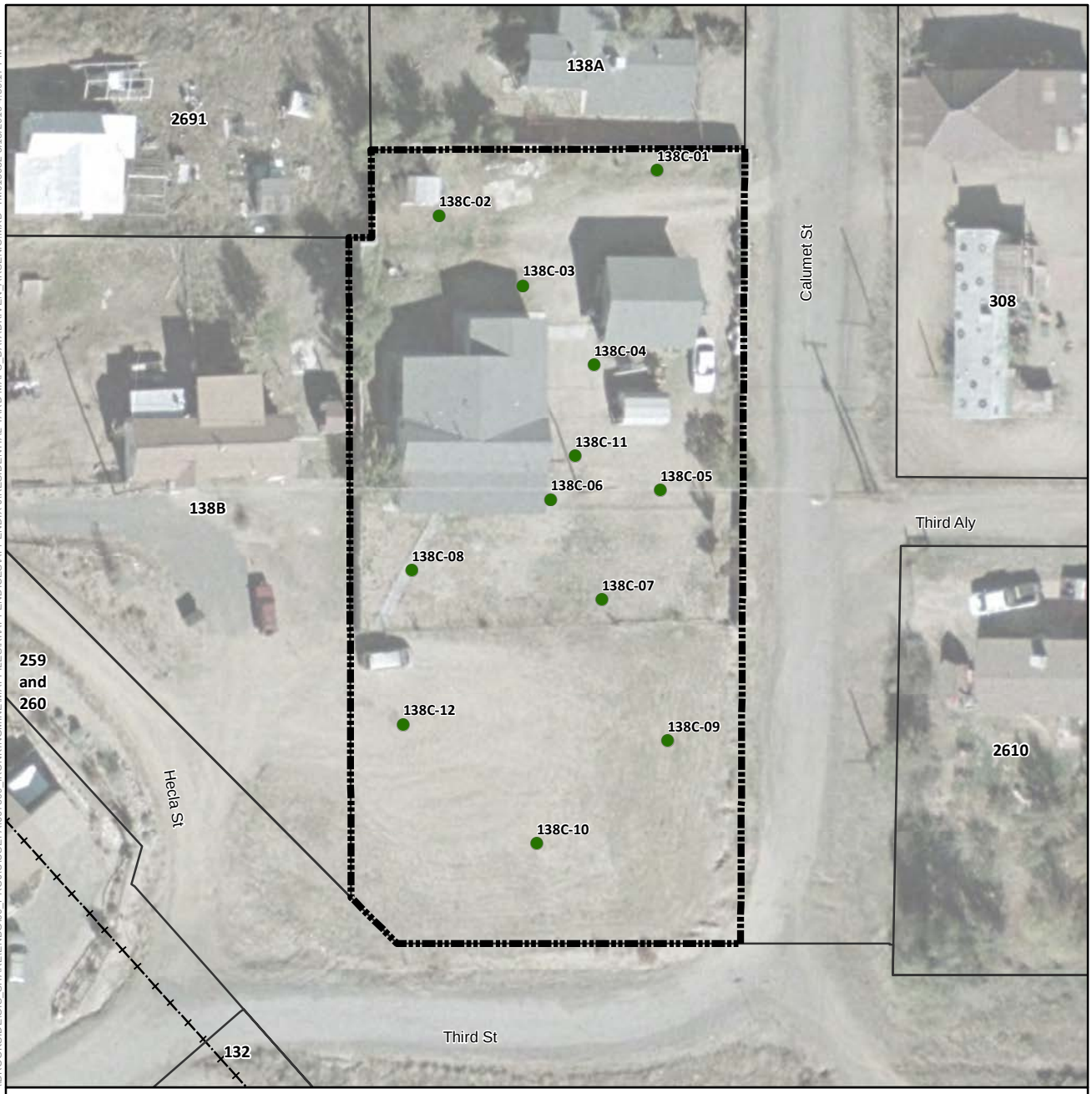


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 138B (Page 76 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



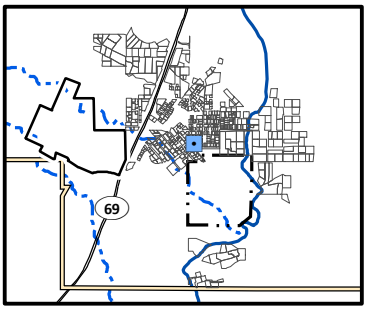
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 138C (Page 77 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



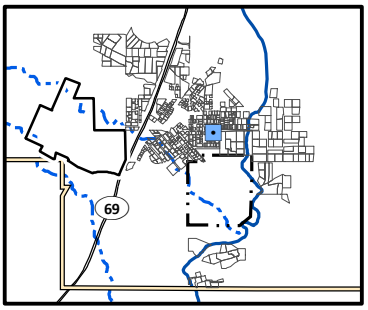
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 139 (Page 78 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



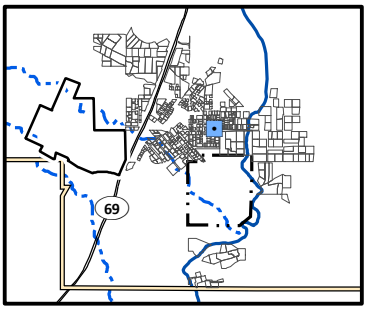
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 140 (Page 79 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



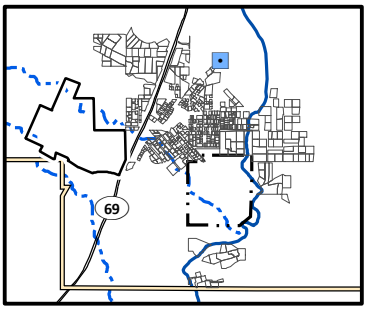
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

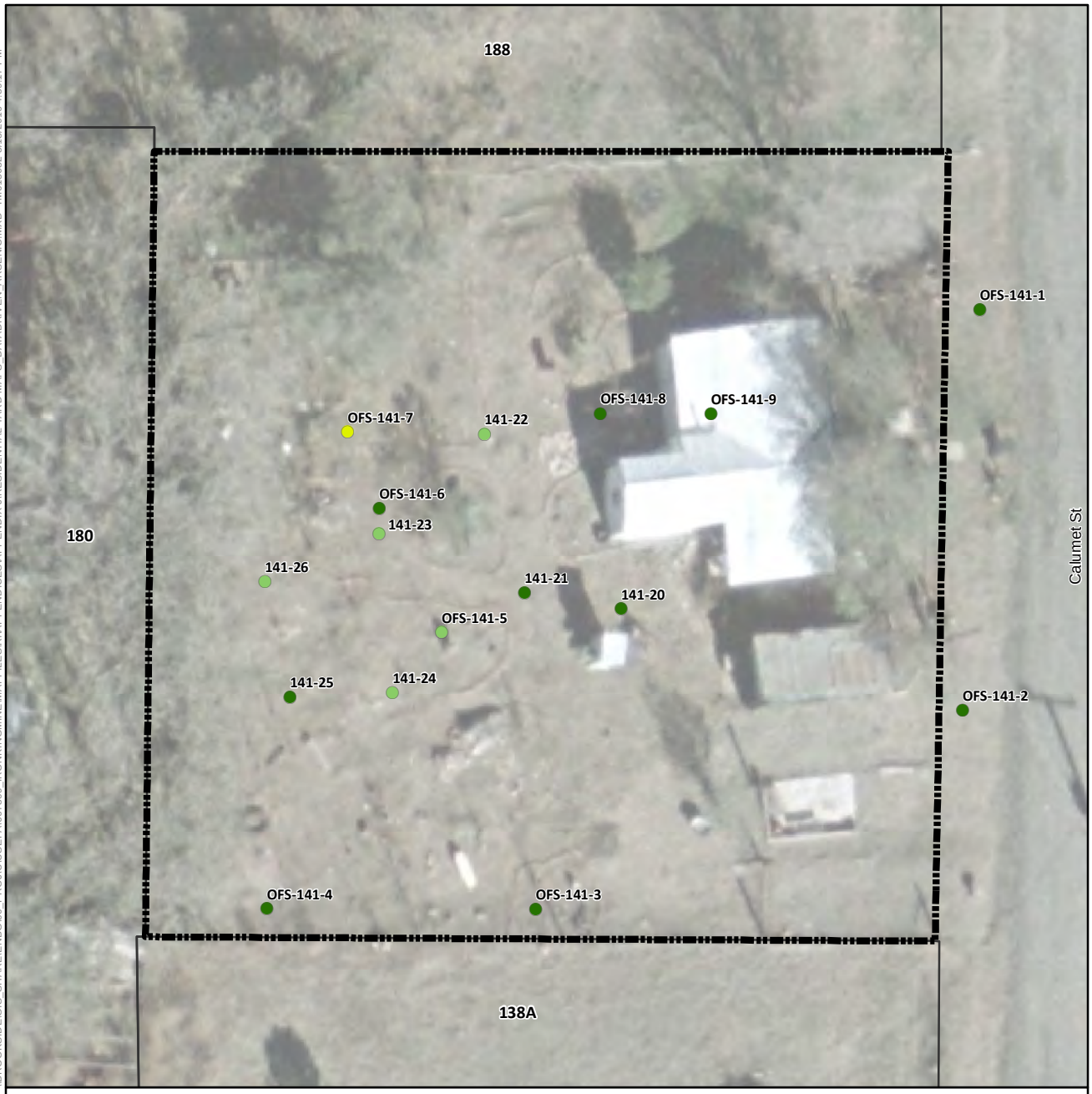


0 80
Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 1401 (Page 80 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



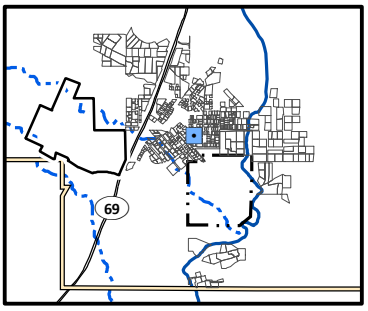
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 141 (Page 81 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

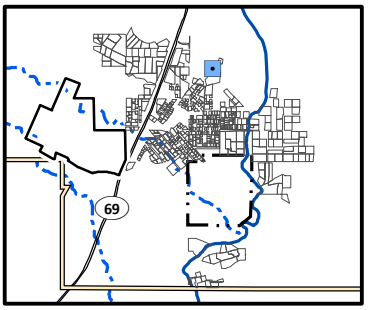


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1411A (Page 82 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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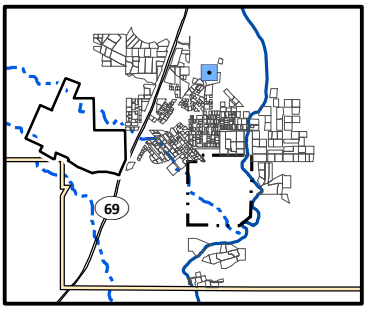


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



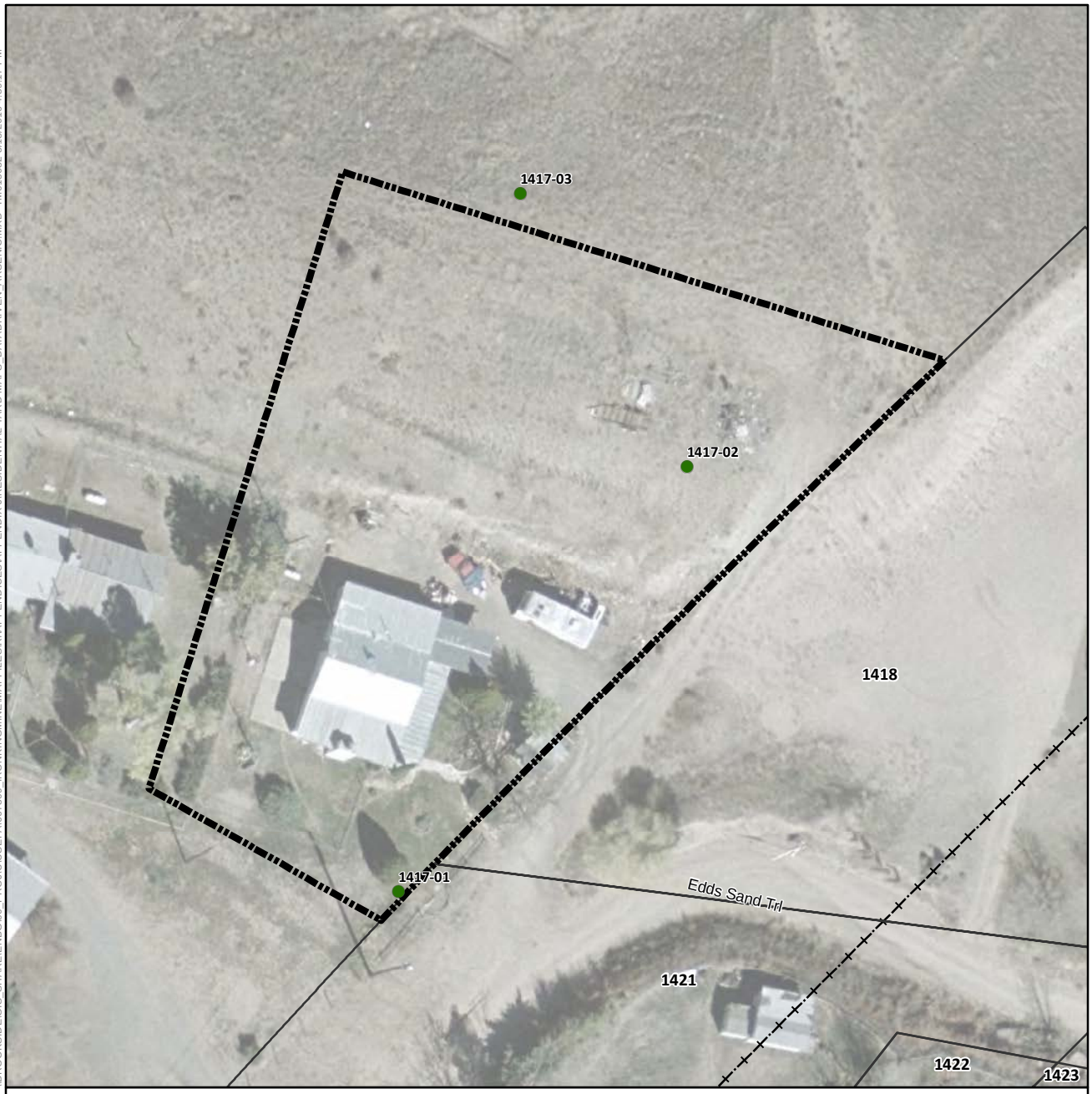
0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1411B (Page 83 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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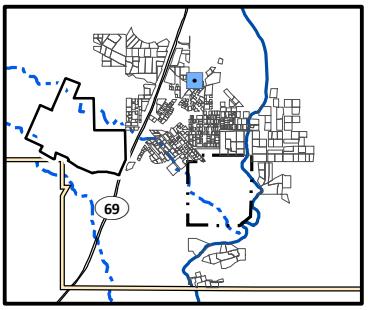
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

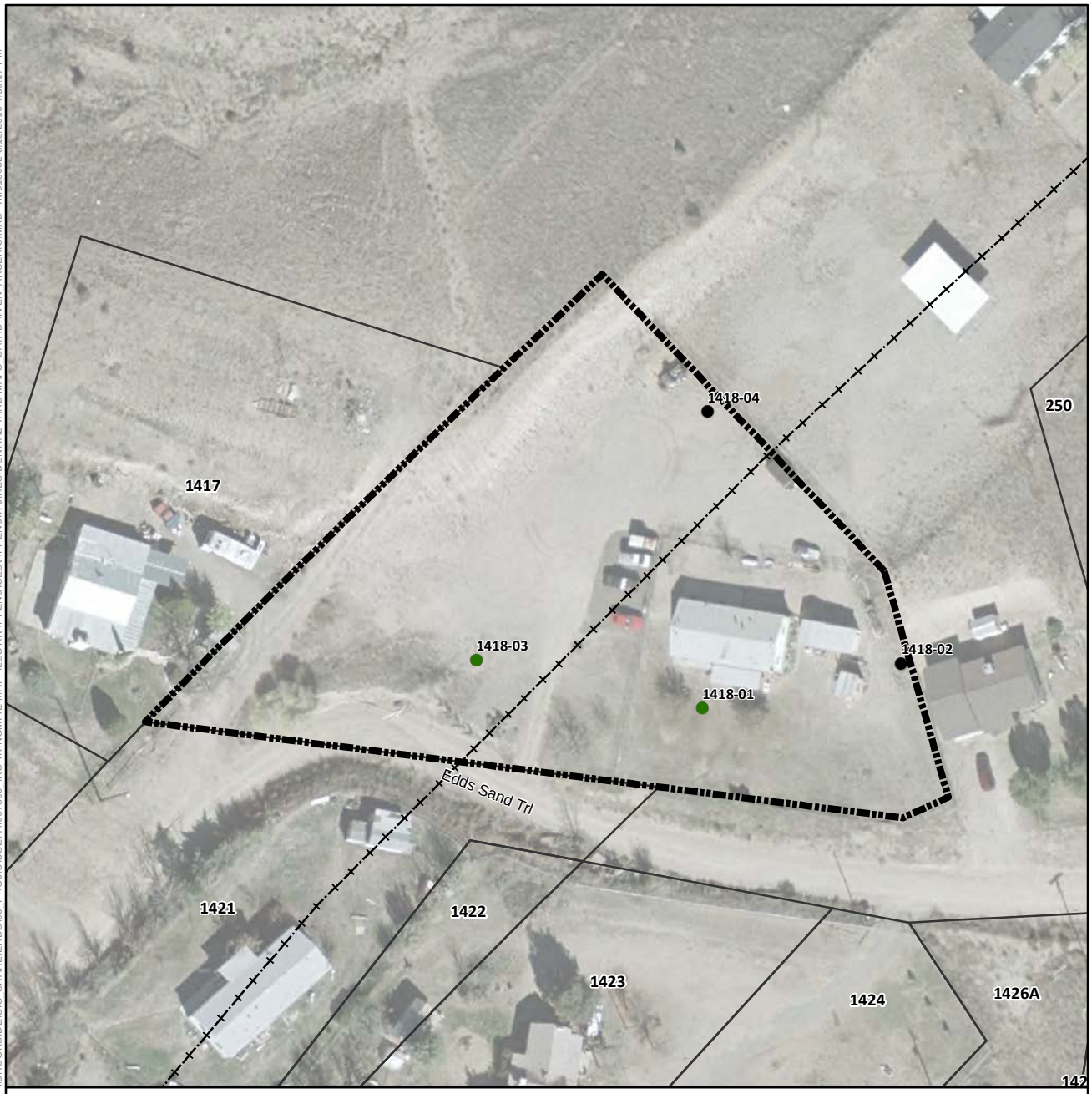
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1417 (Page 84 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



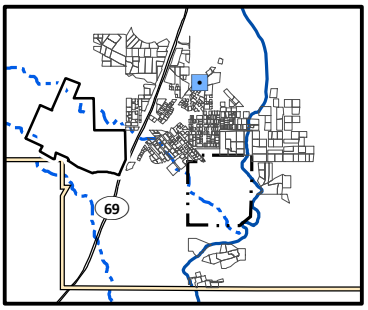
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

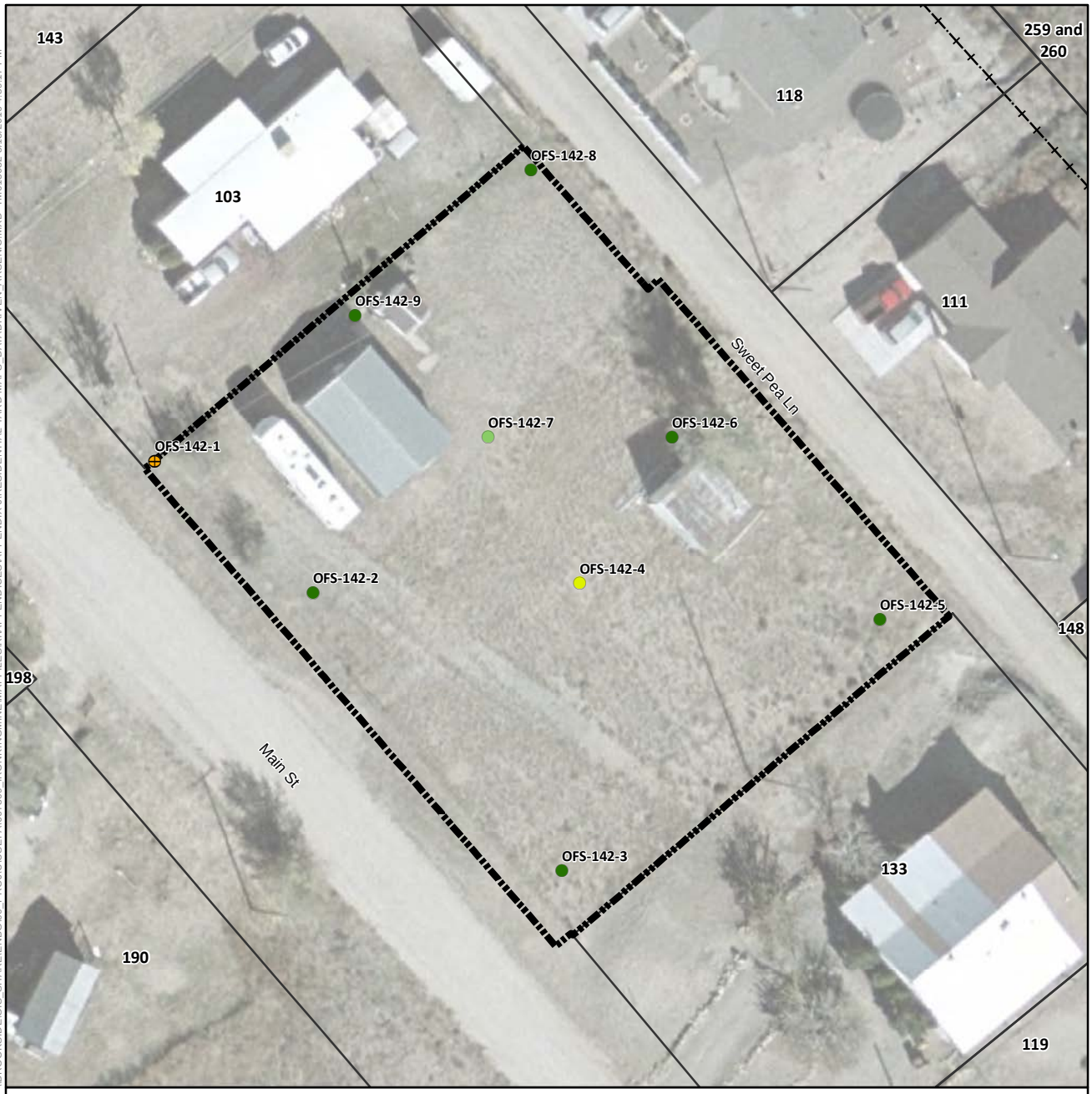


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1418 (Page 85 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



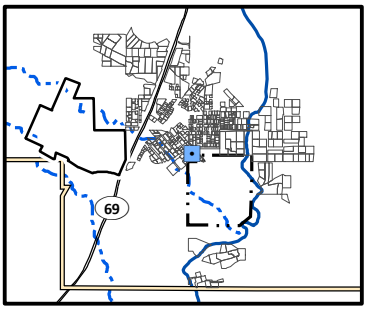
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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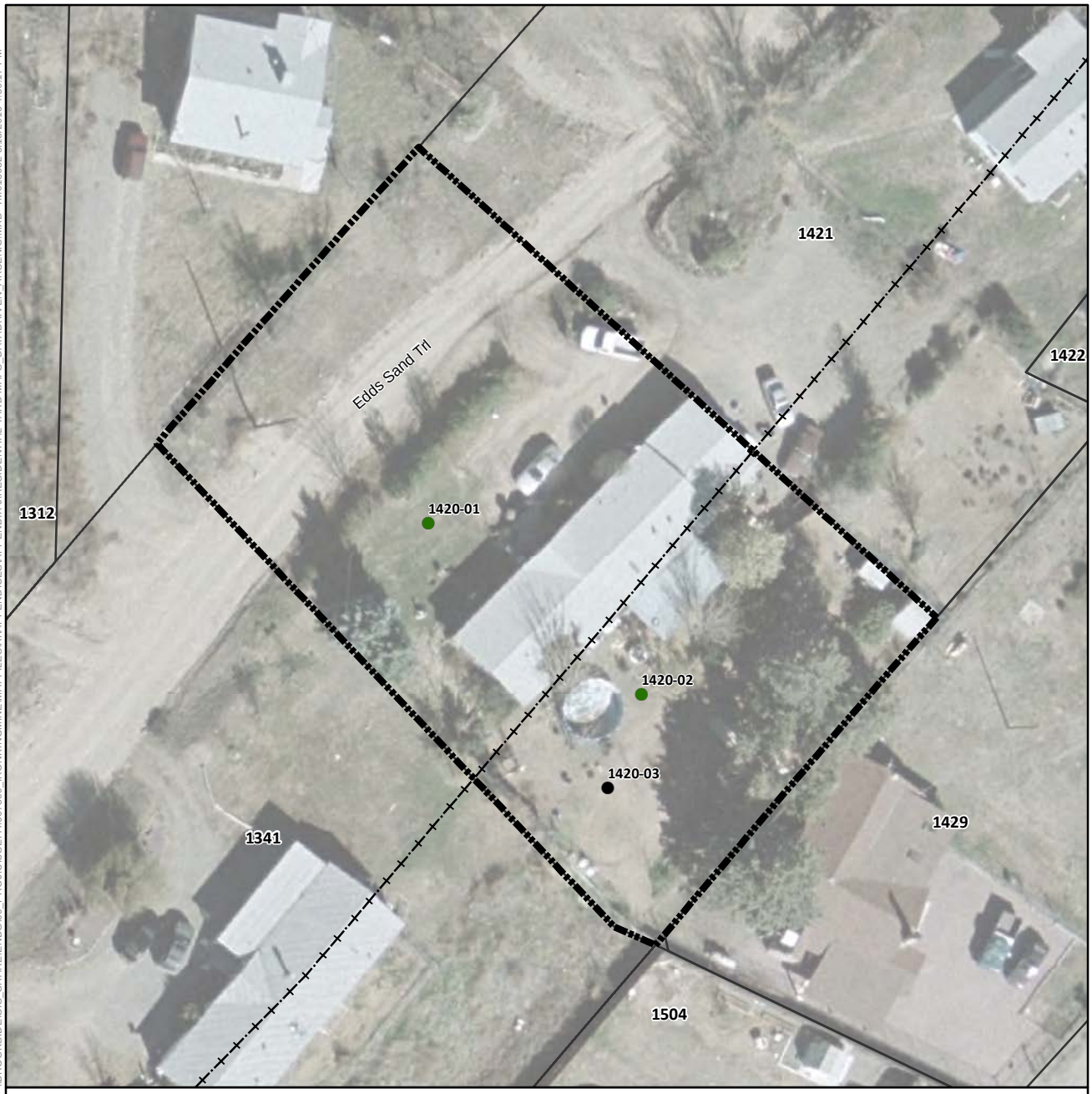


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 142 (Page 86 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

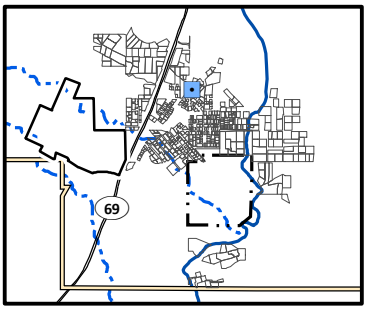


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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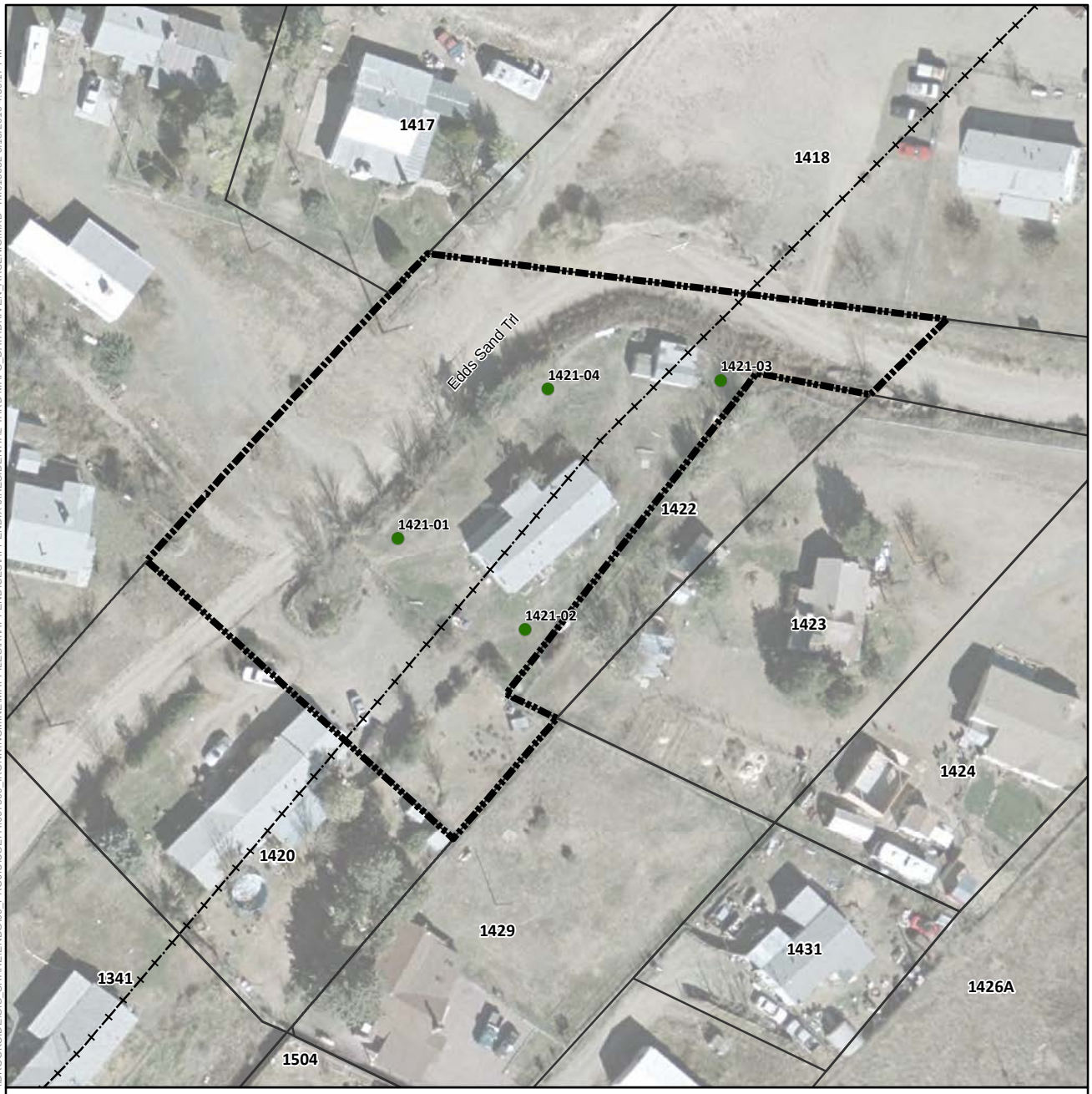
0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1420 (Page 87 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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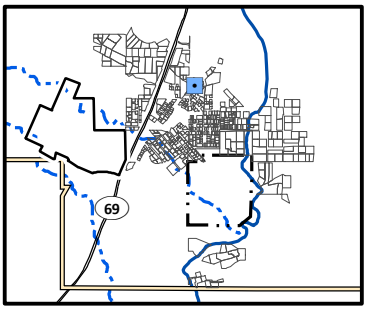
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 125
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1421 (Page 88 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

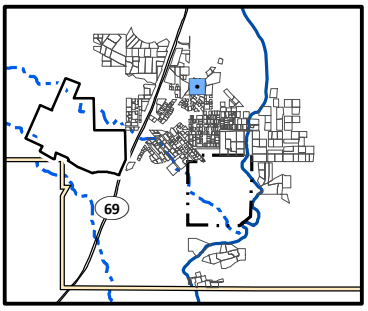


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1422 (Page 89 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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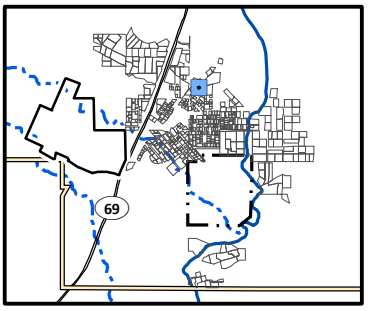
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1423 (Page 90 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



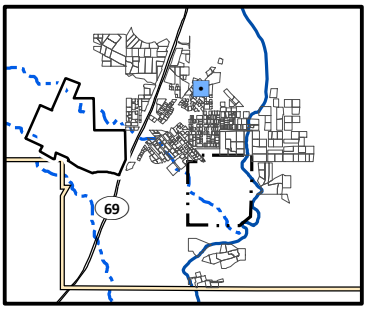
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

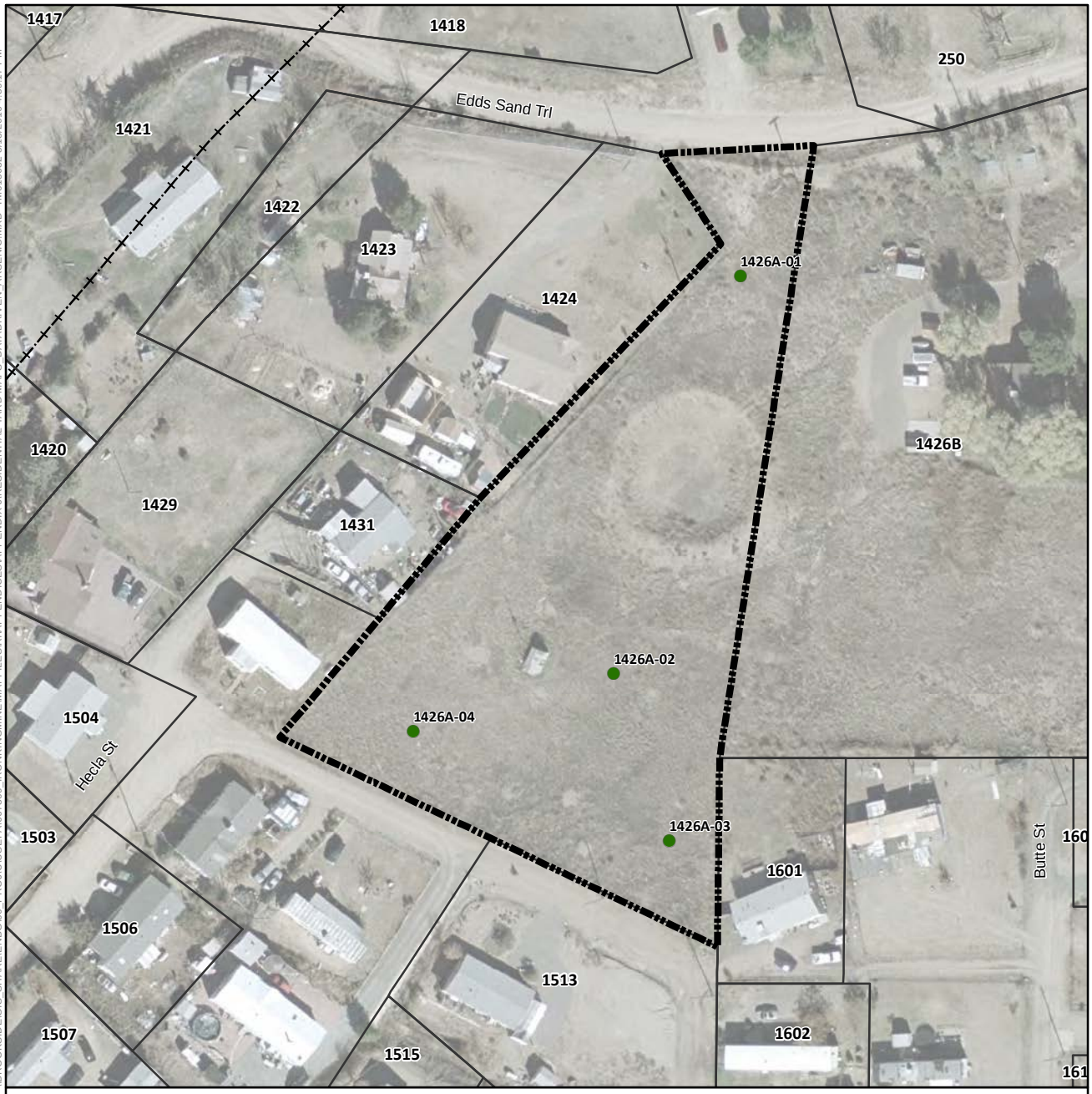


0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1424 (Page 91 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



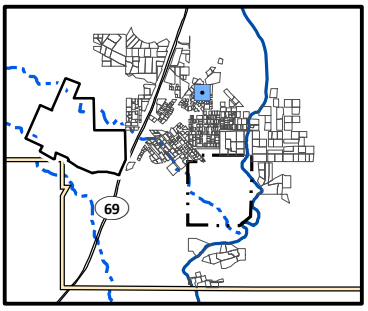
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

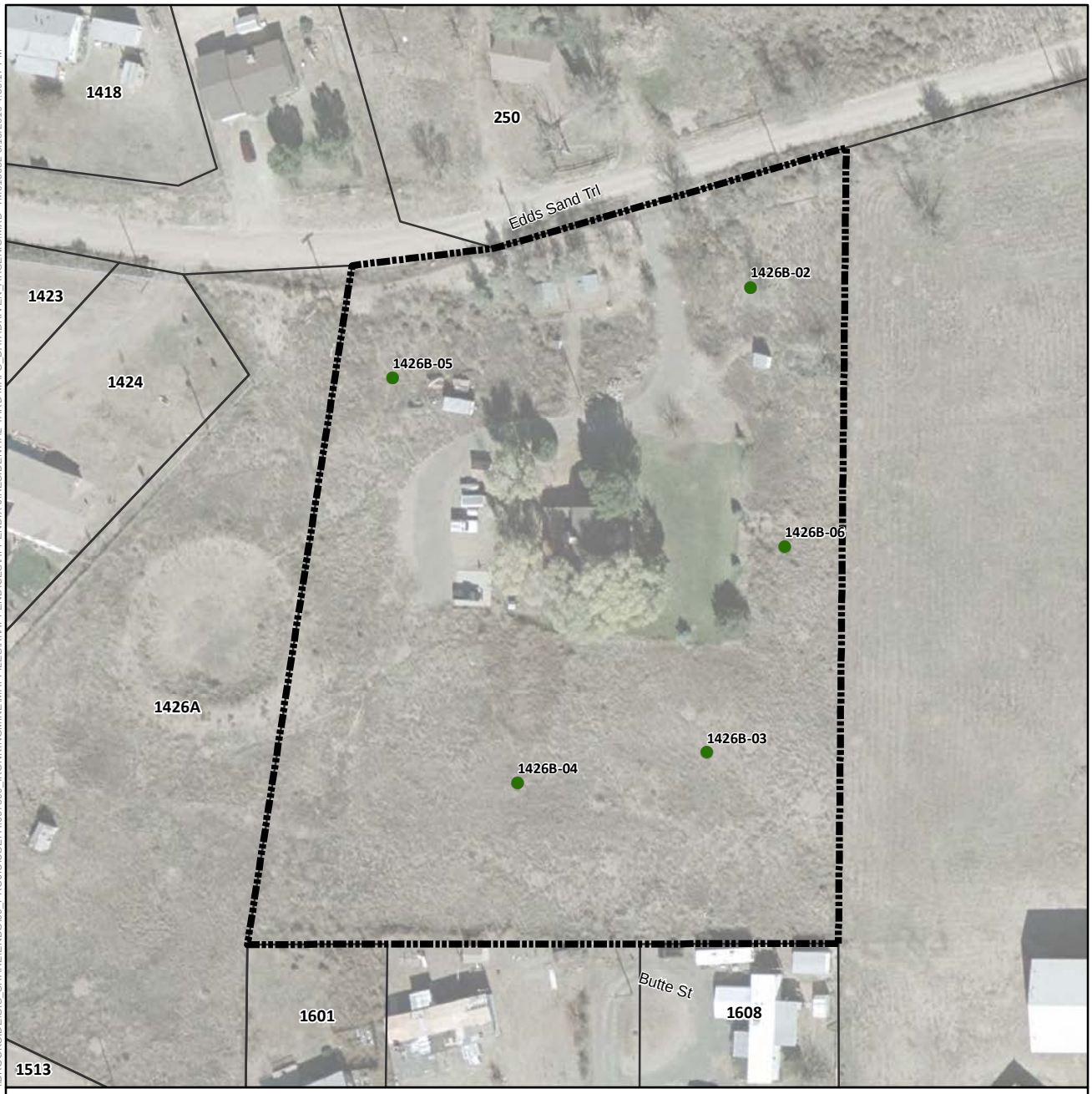


0 160
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1426A (Page 92 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



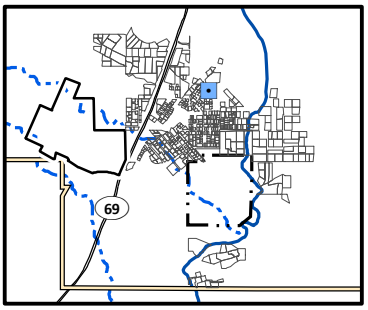
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1426B (Page 93 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



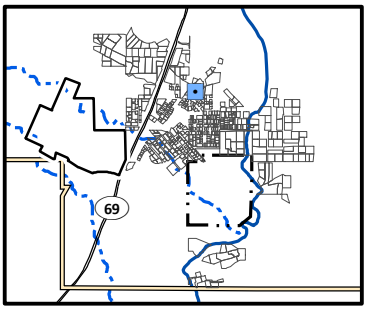
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

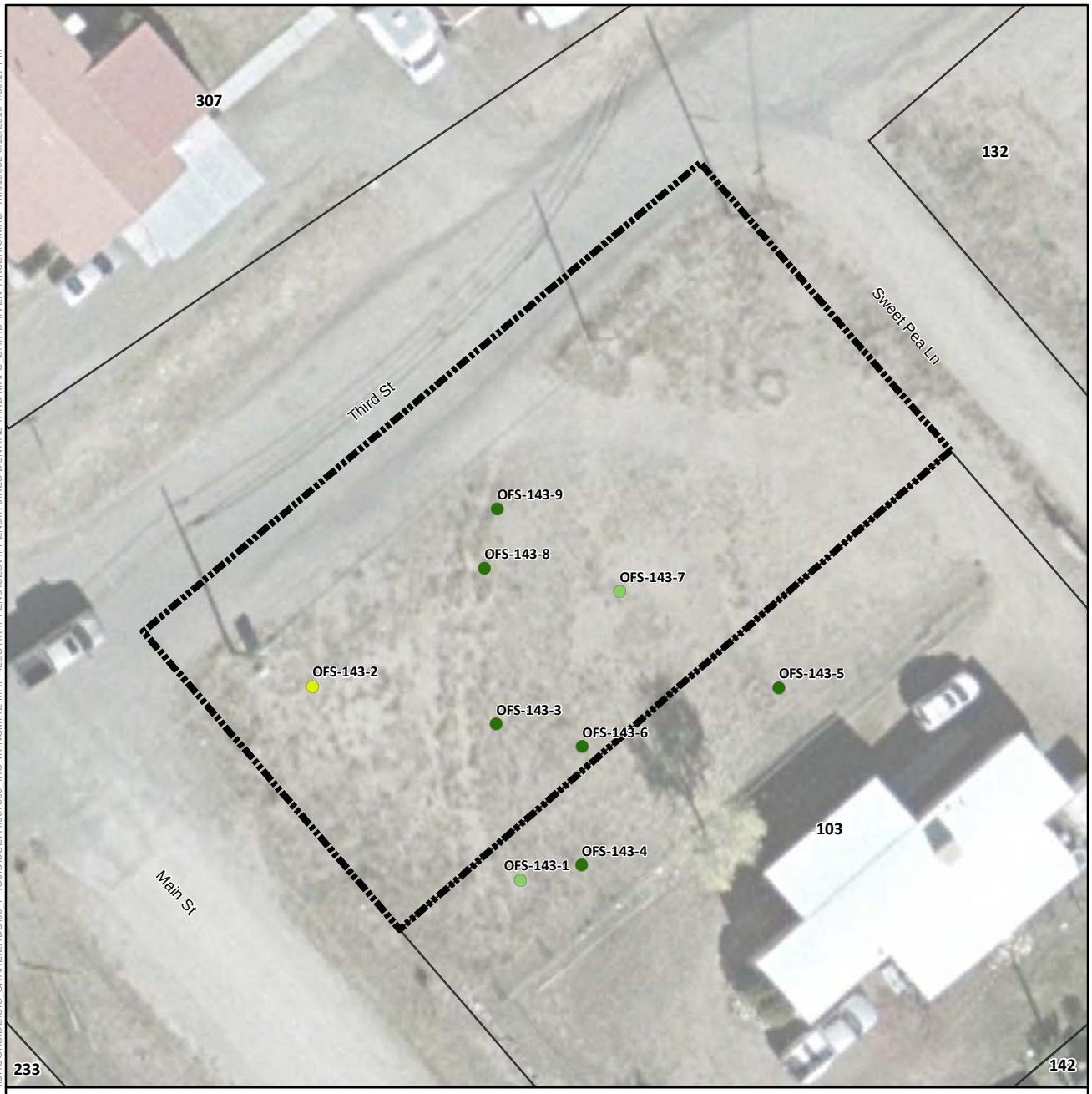


0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1429 (Page 94 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



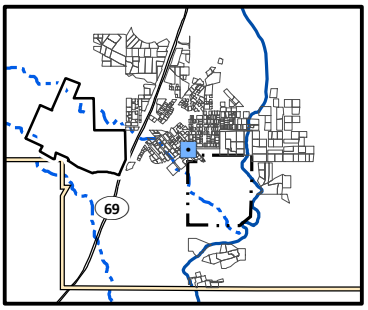
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 143 (Page 95 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



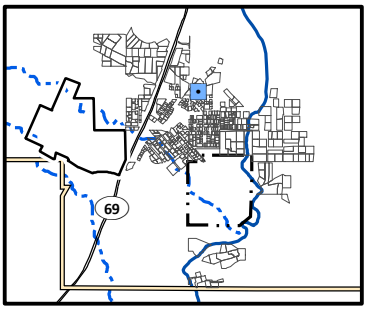
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1431 (Page 96 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



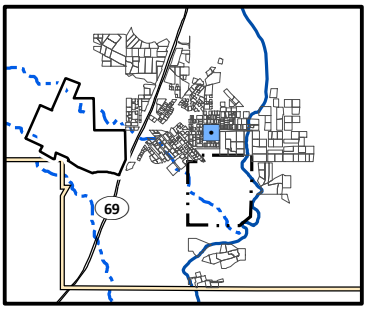
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

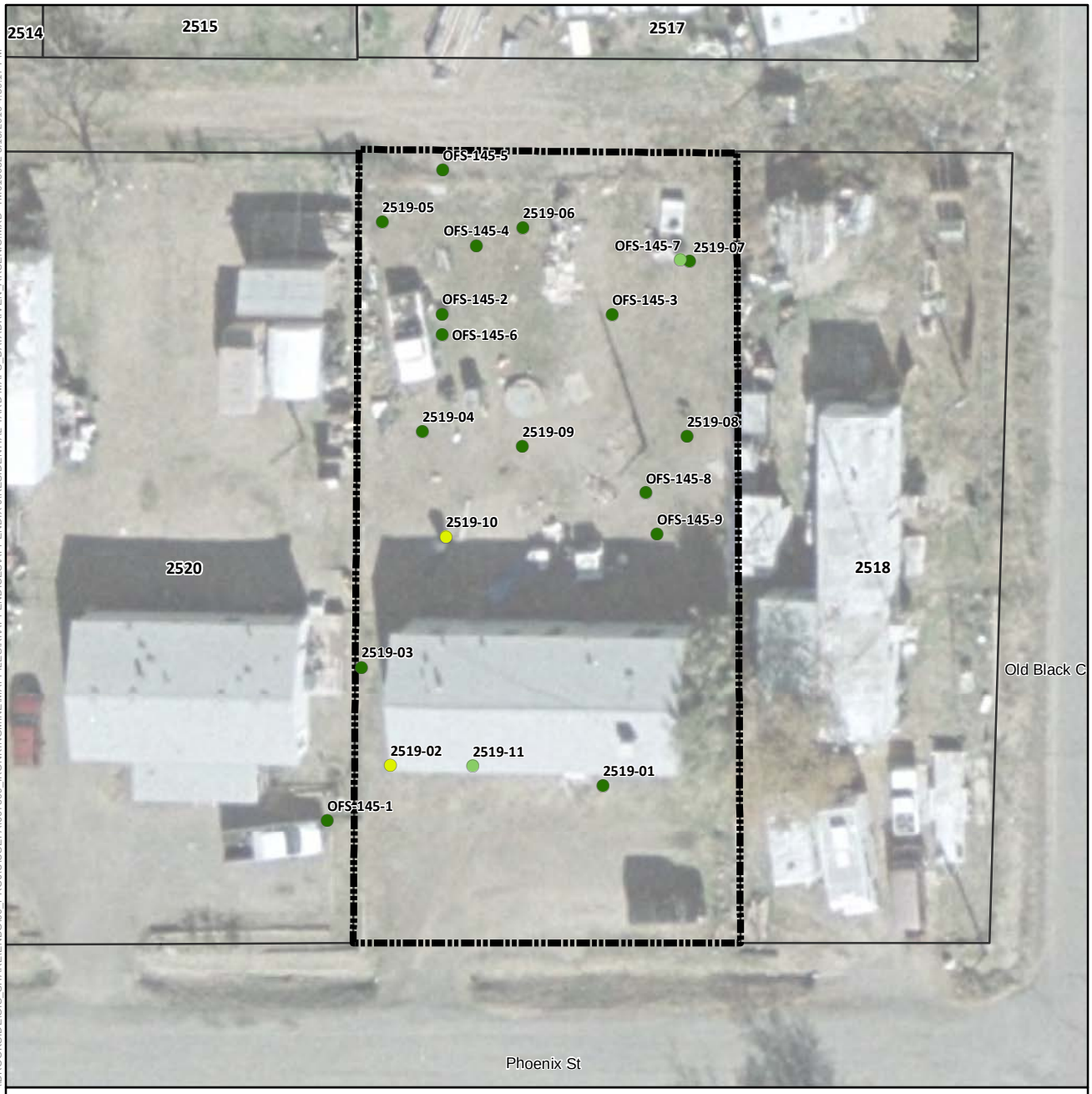


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 144 (Page 97 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



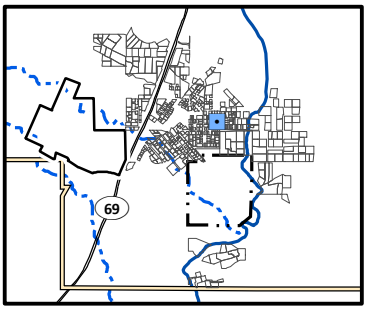
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
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- Yard Boundary
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 145 (Page 98 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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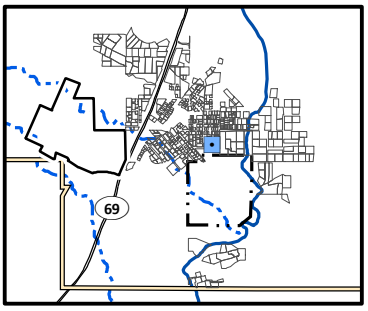


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
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- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

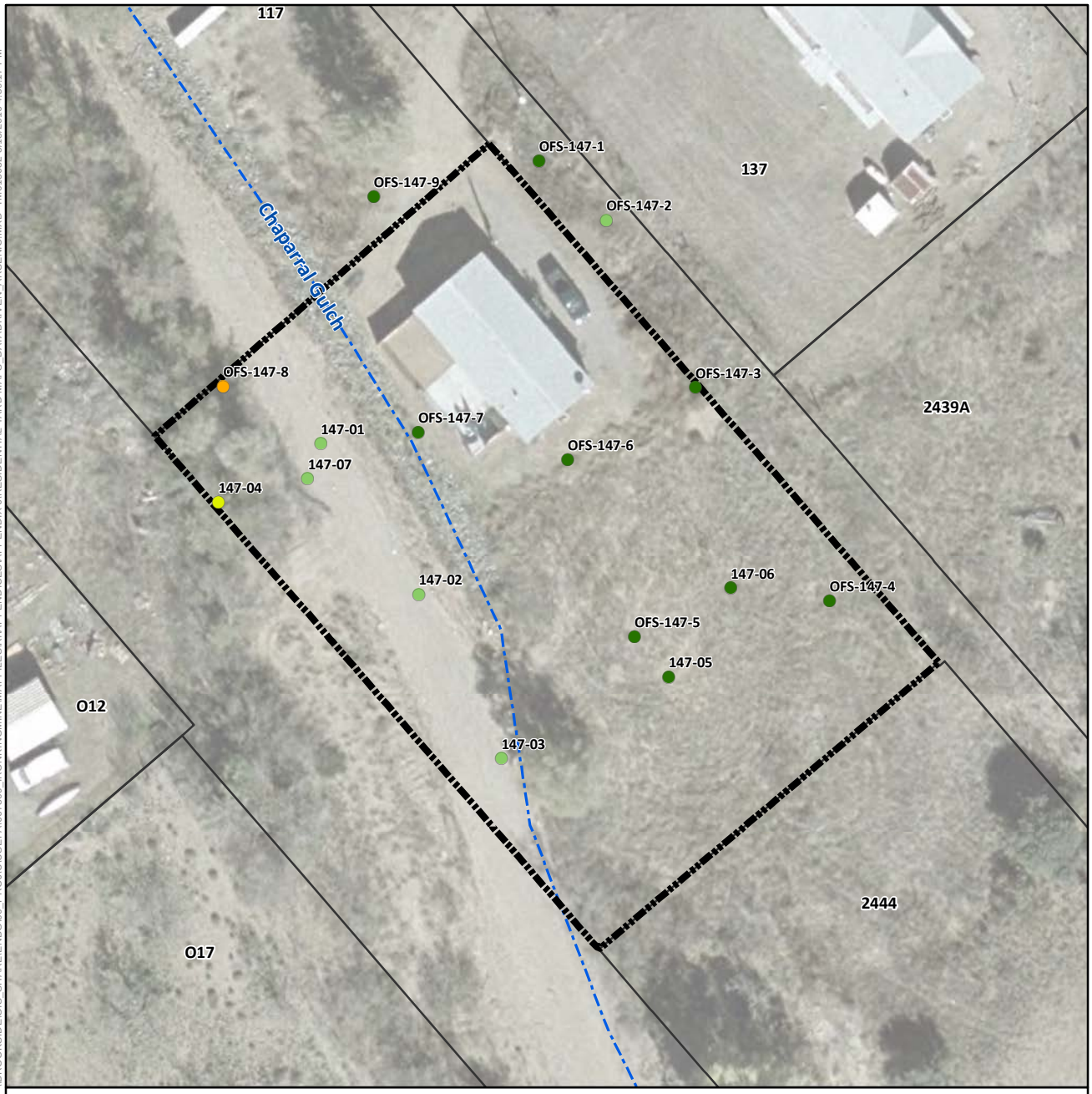


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 146 (Page 99 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



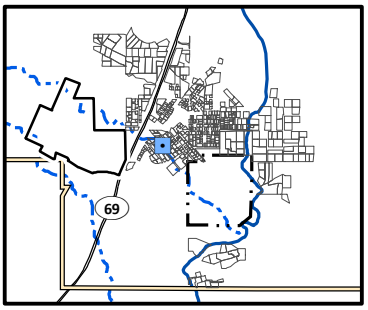
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
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- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 147 (Page 100 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



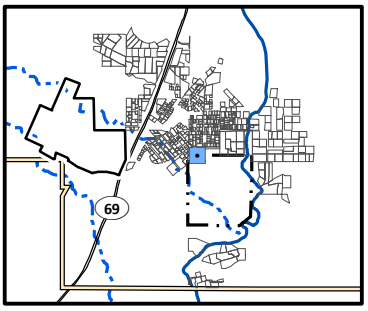
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
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- Yard Boundary
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 148 (Page 101 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



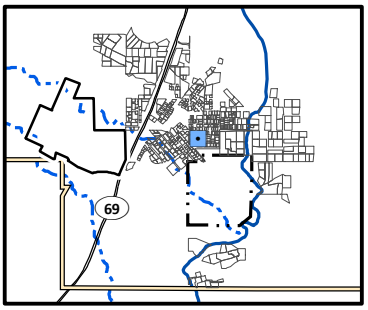
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
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- Pre-Removal Soil Sample Location[a]
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- Historic Rail Line
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

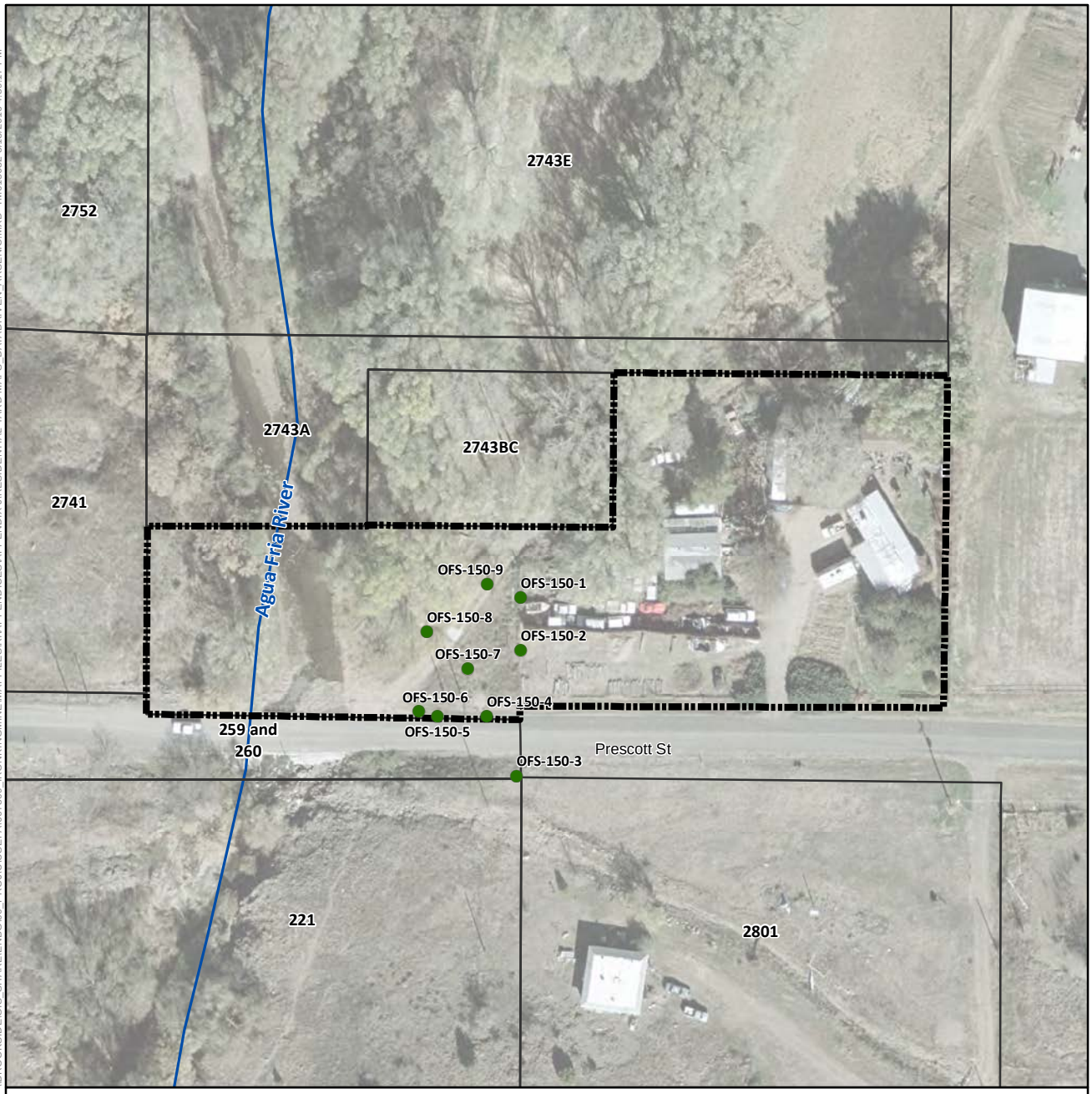


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 149 (Page 102 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



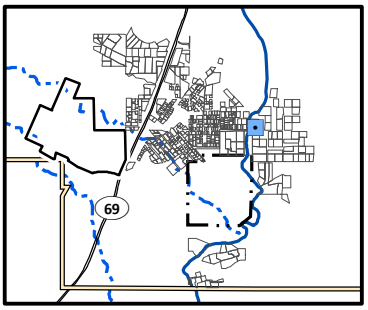
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

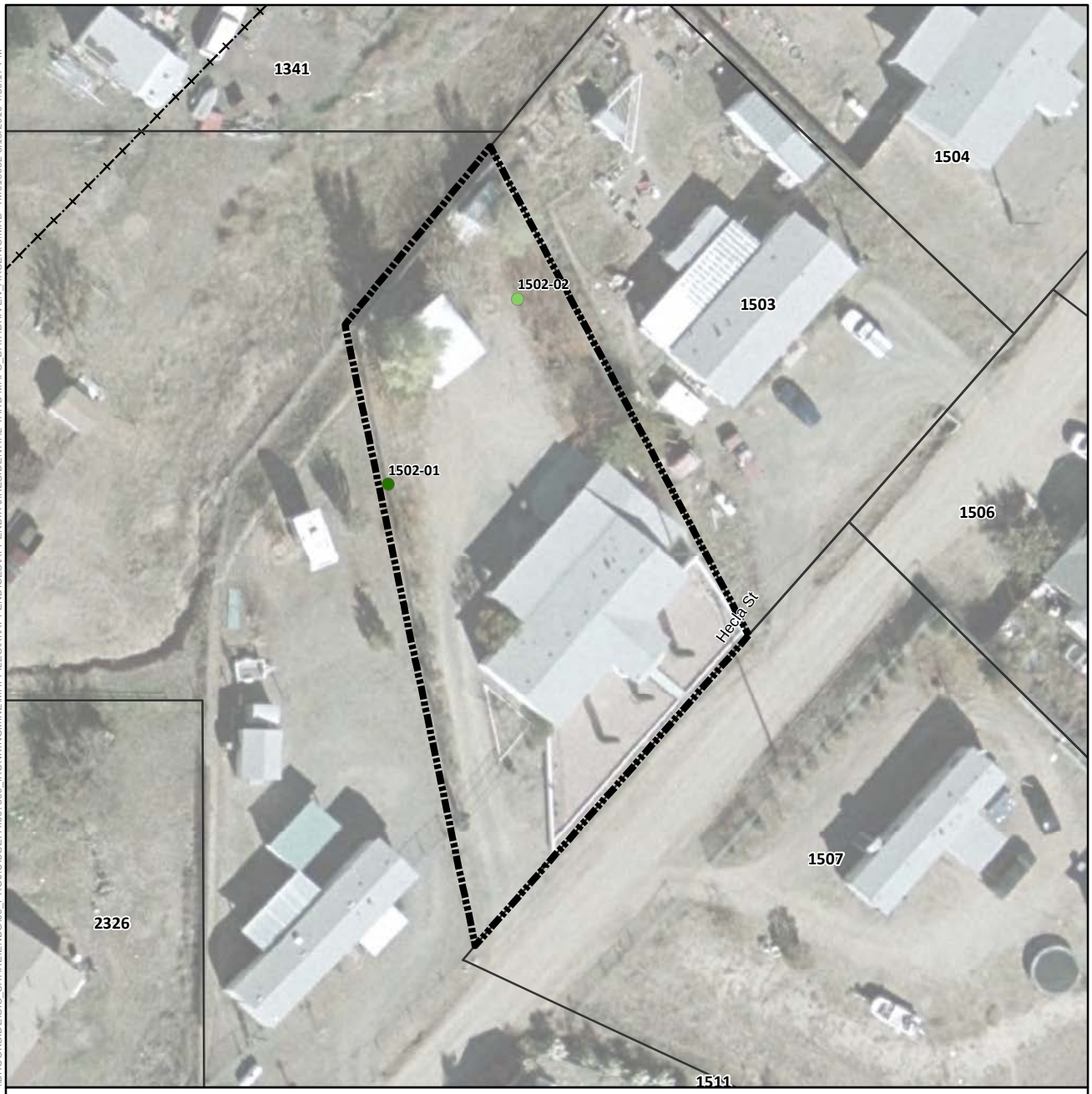


0 150
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 150 (Page 103 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

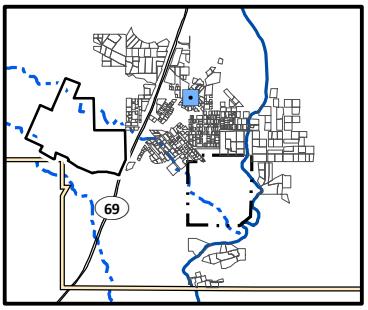


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1502 (Page 104 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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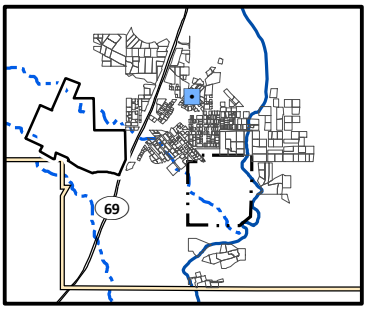


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



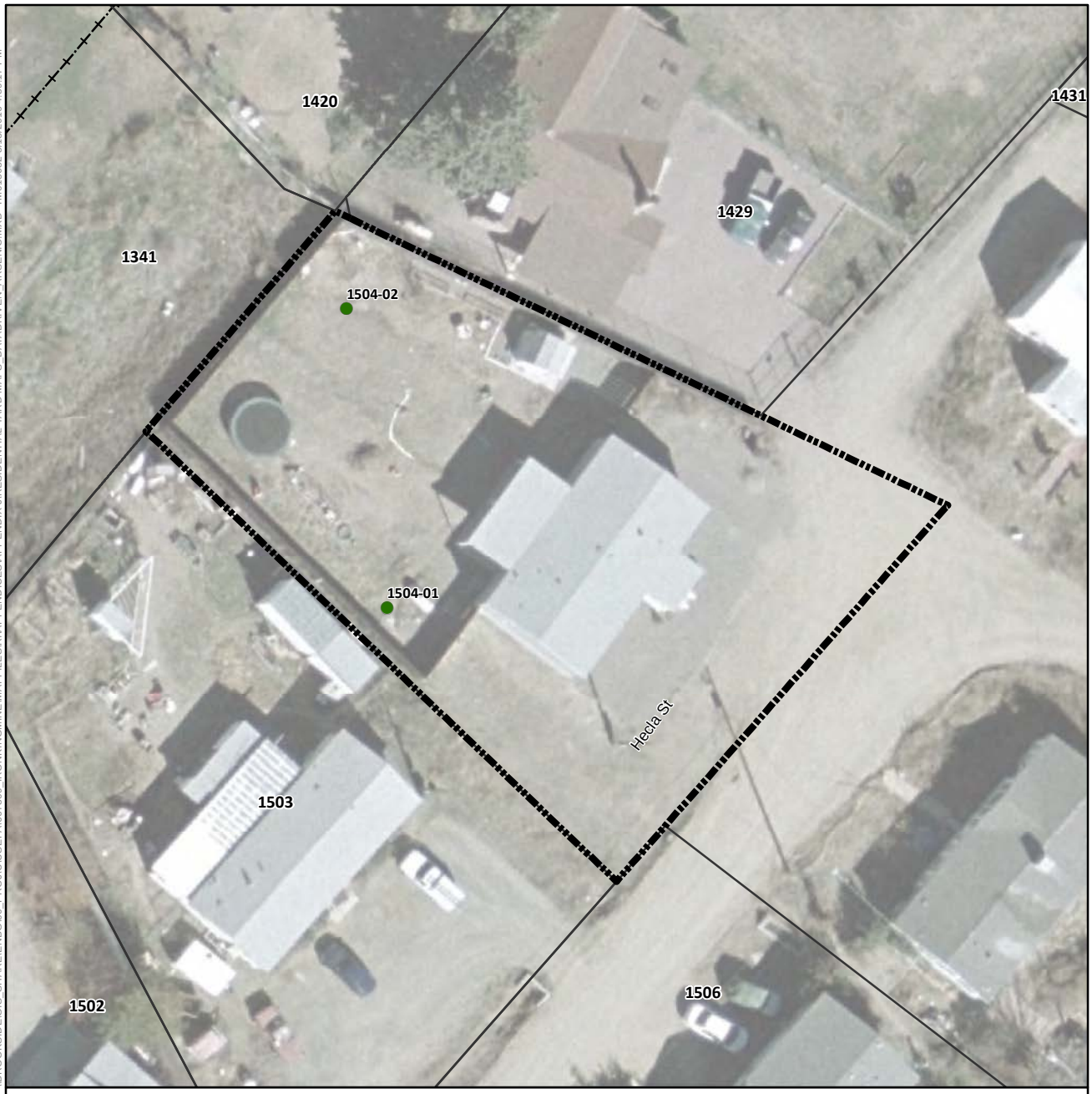
0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1503 (Page 105 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\U\USEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

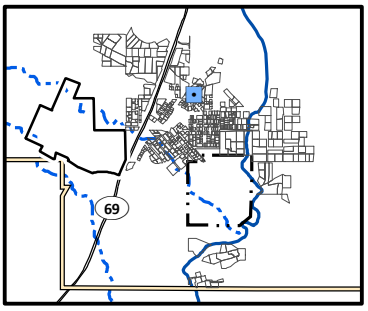


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1504 (Page 106 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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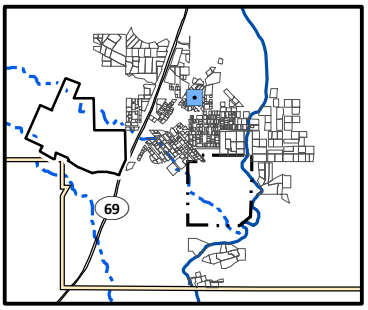


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

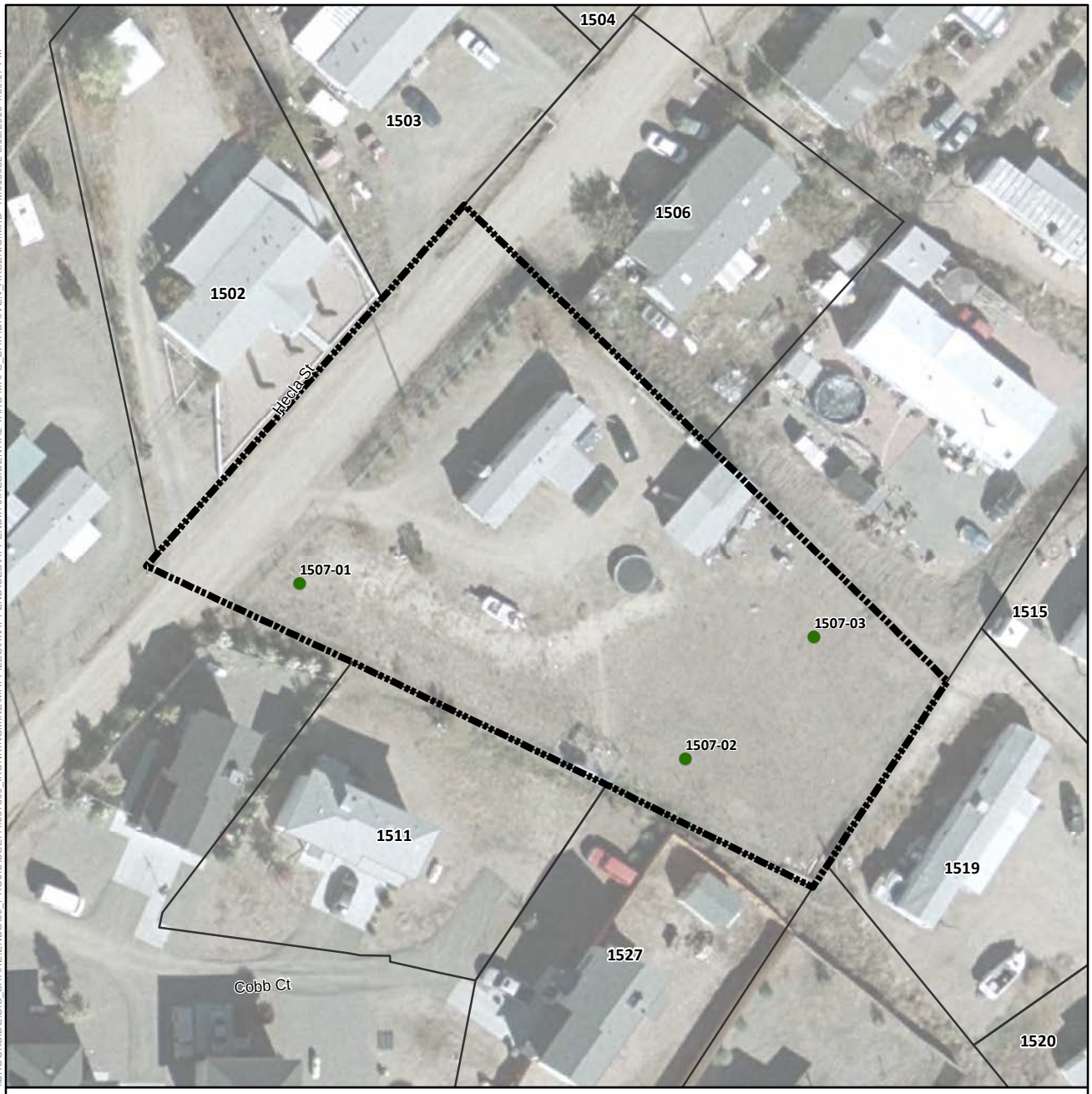


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1506 (Page 107 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



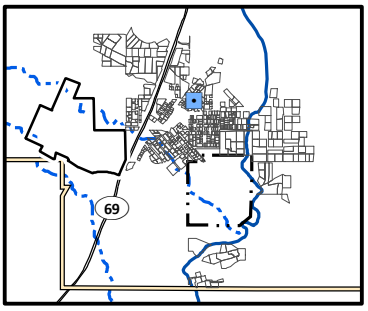
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1507 (Page 108 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



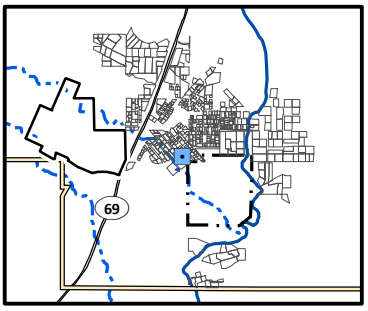
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

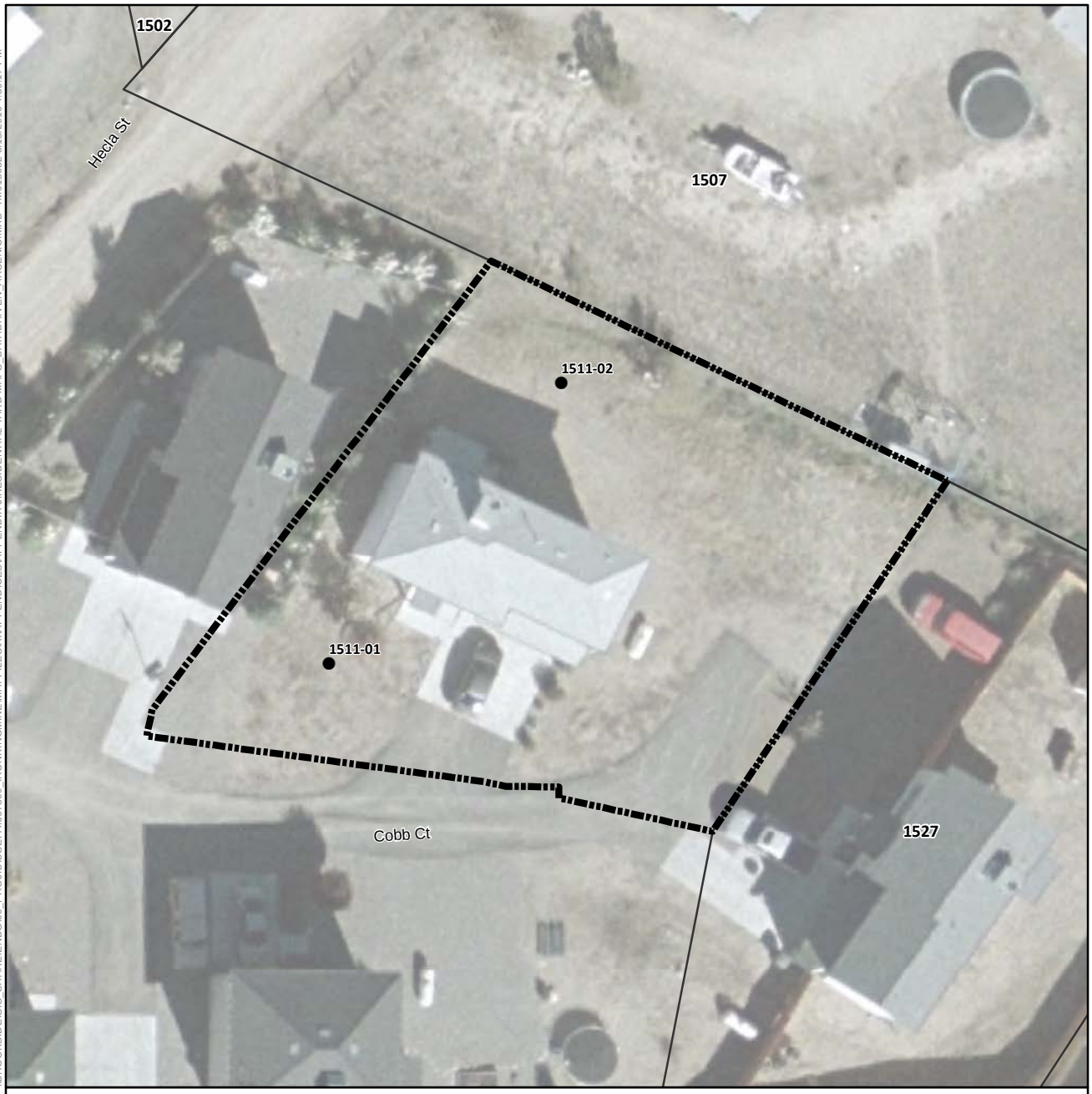


0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 151 (Page 109 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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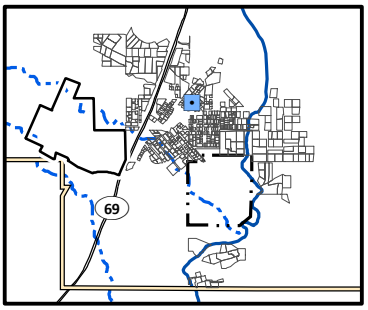


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1511 (Page 110 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



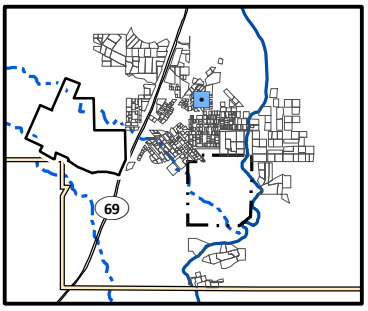
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1513 (Page 111 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



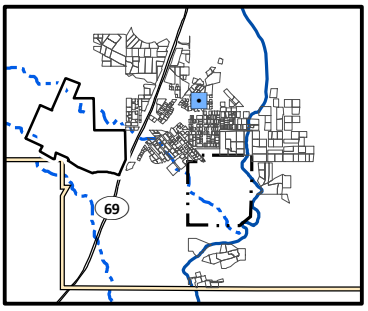
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

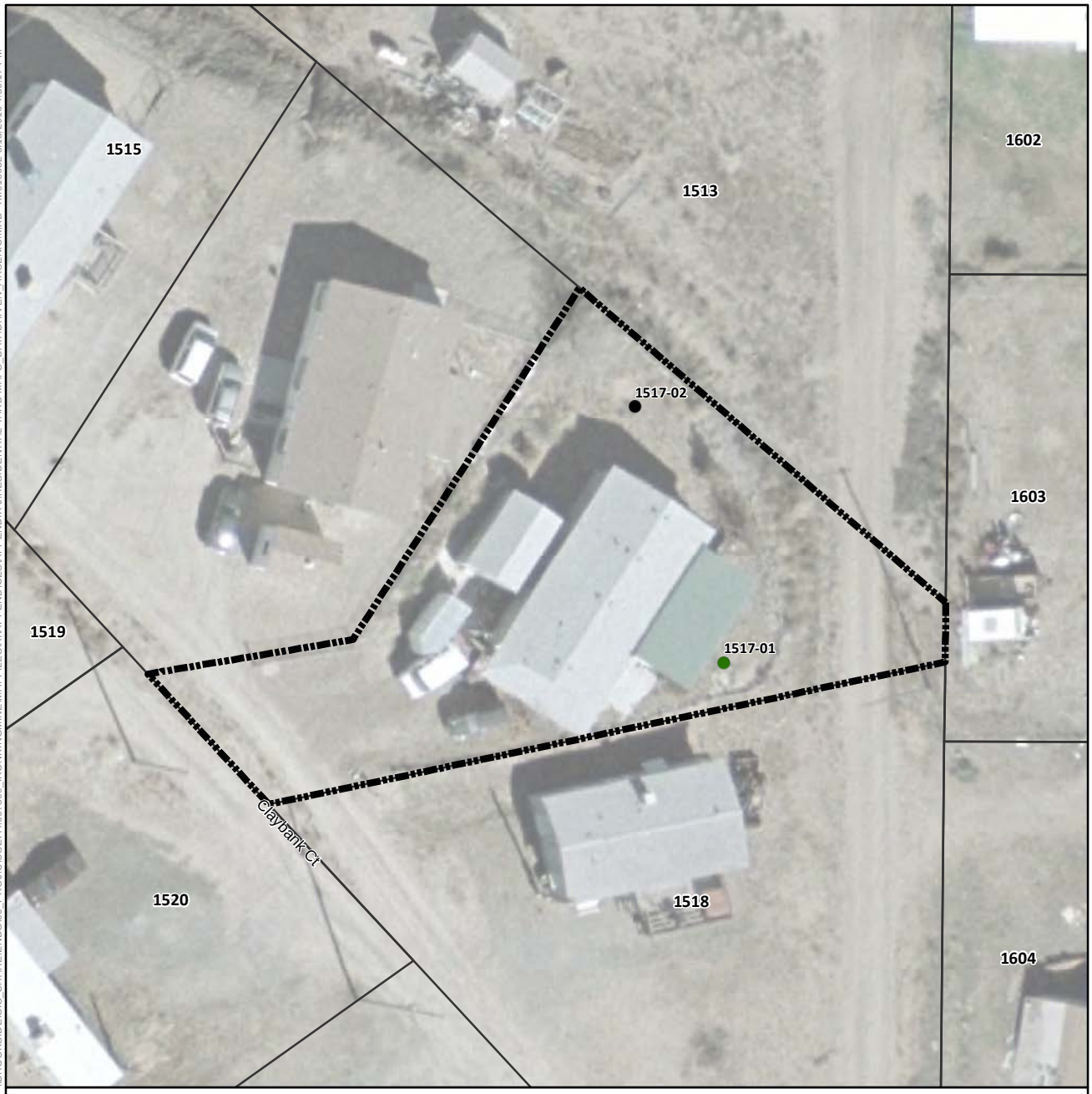


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1515 (Page 112 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



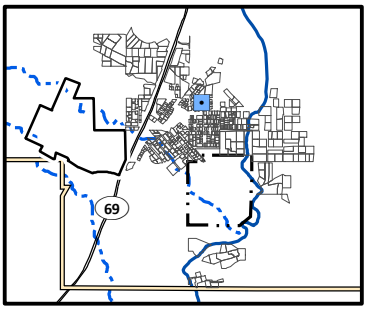
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1517 (Page 113 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



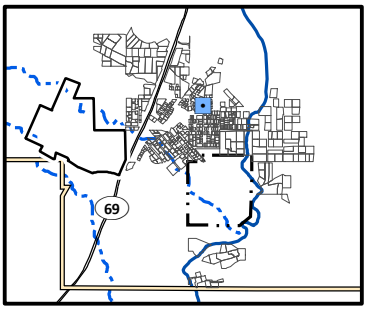
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1518 (Page 114 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDEGIS_SHARE\ENBG\00_PROJU\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL_YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0015632 5/13/2016 4:39:17 PM

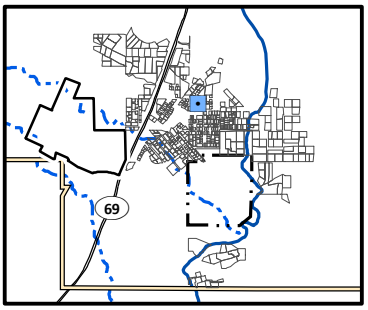


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1519 (Page 115 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



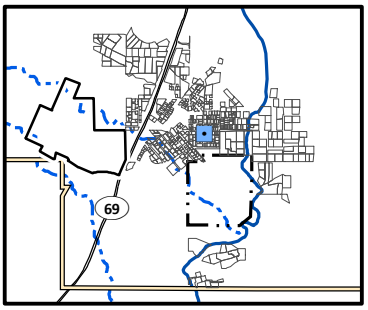
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



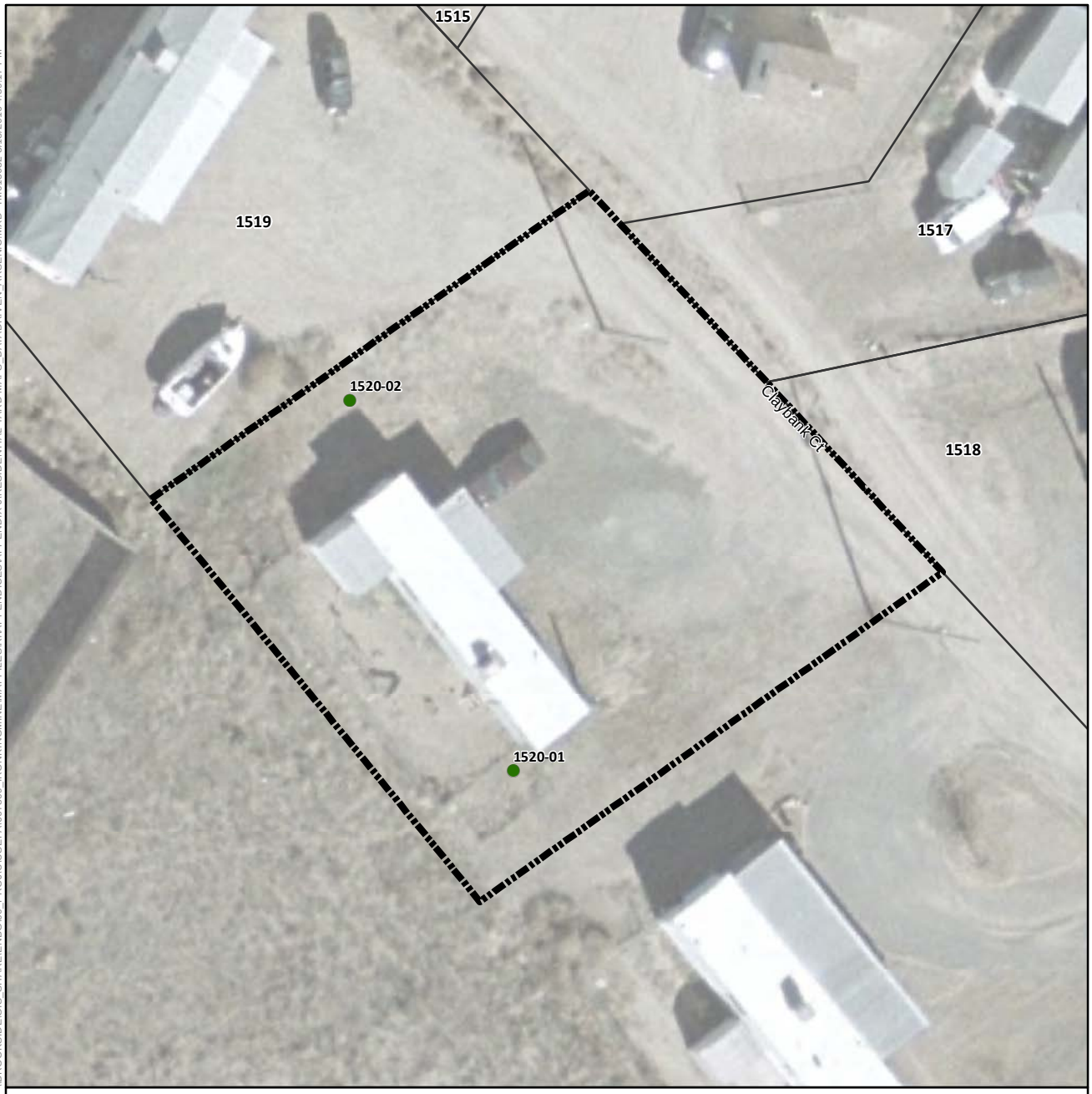
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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 152 (Page 116 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJU\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

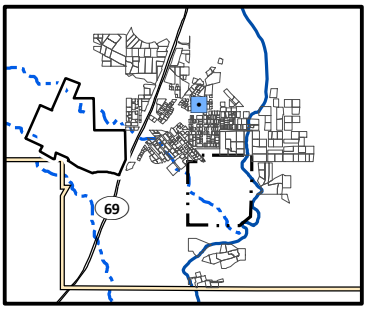


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

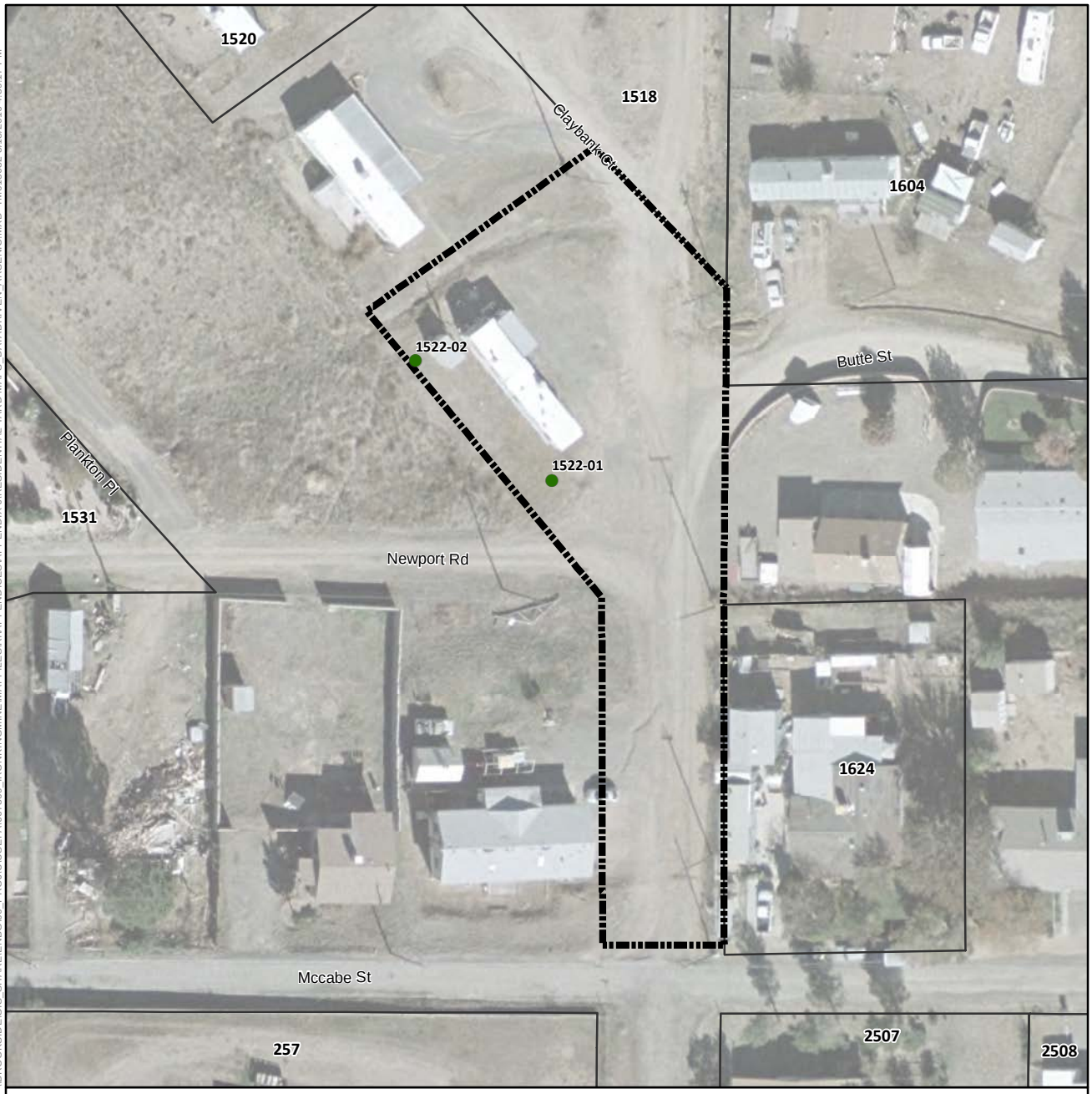


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1520 (Page 117 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



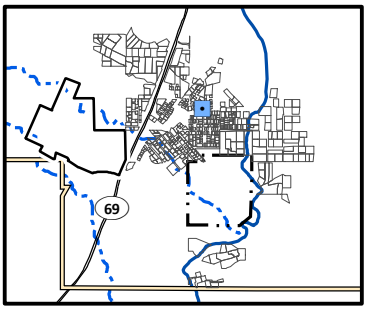
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1522 (Page 118 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

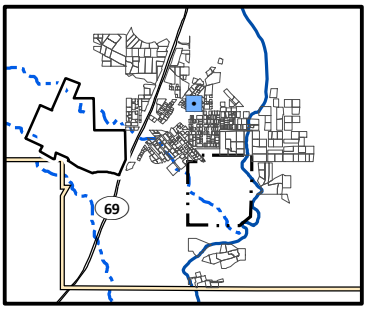


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

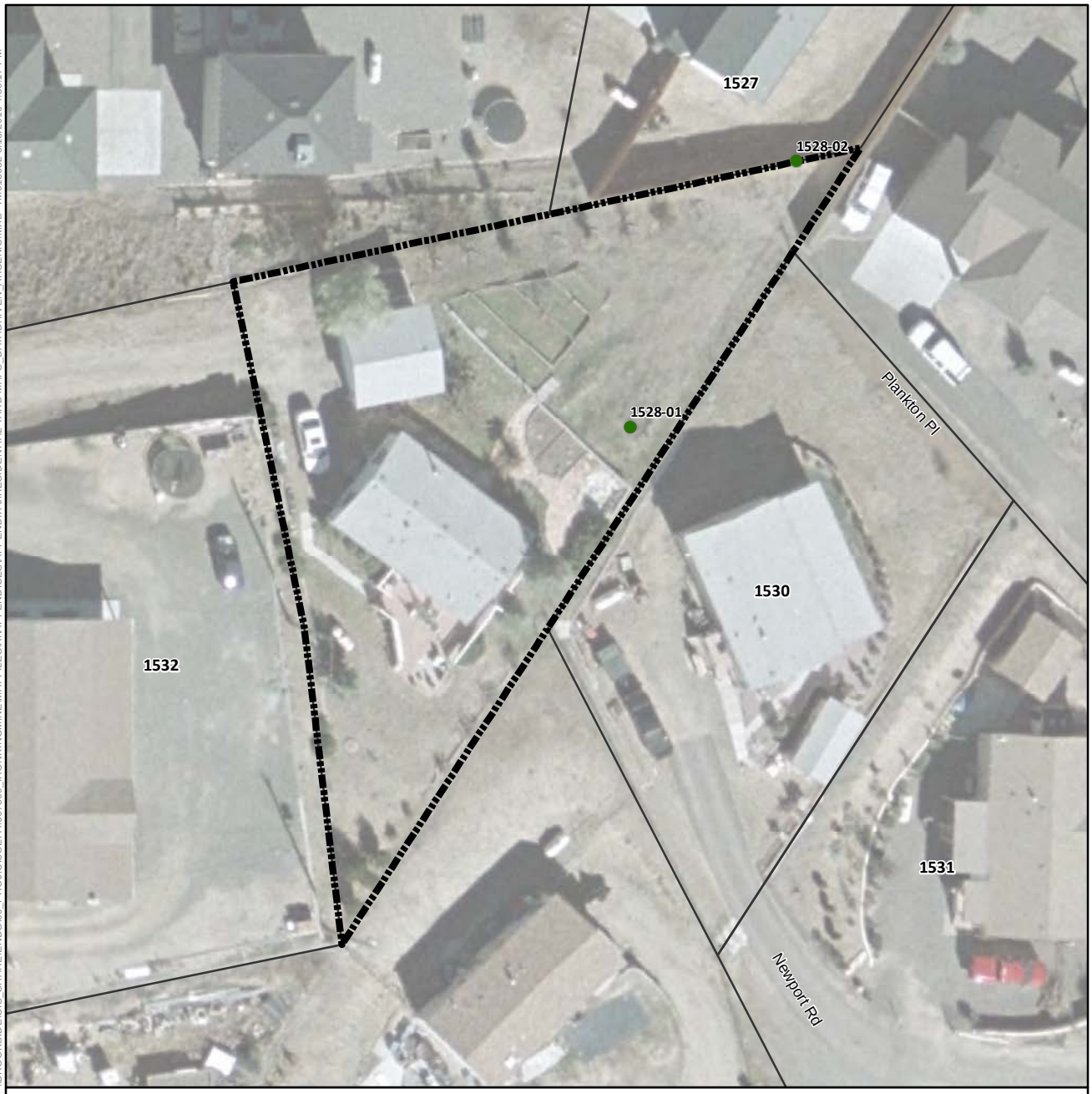
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Arsenic Distribution in Surface Soil, Yard 1527 (Page 119 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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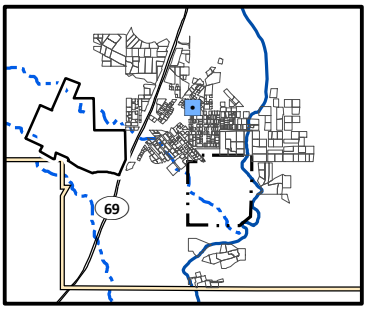


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1528 (Page 120 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



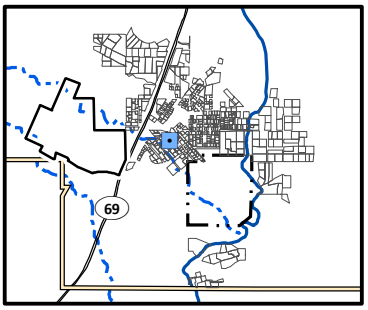
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

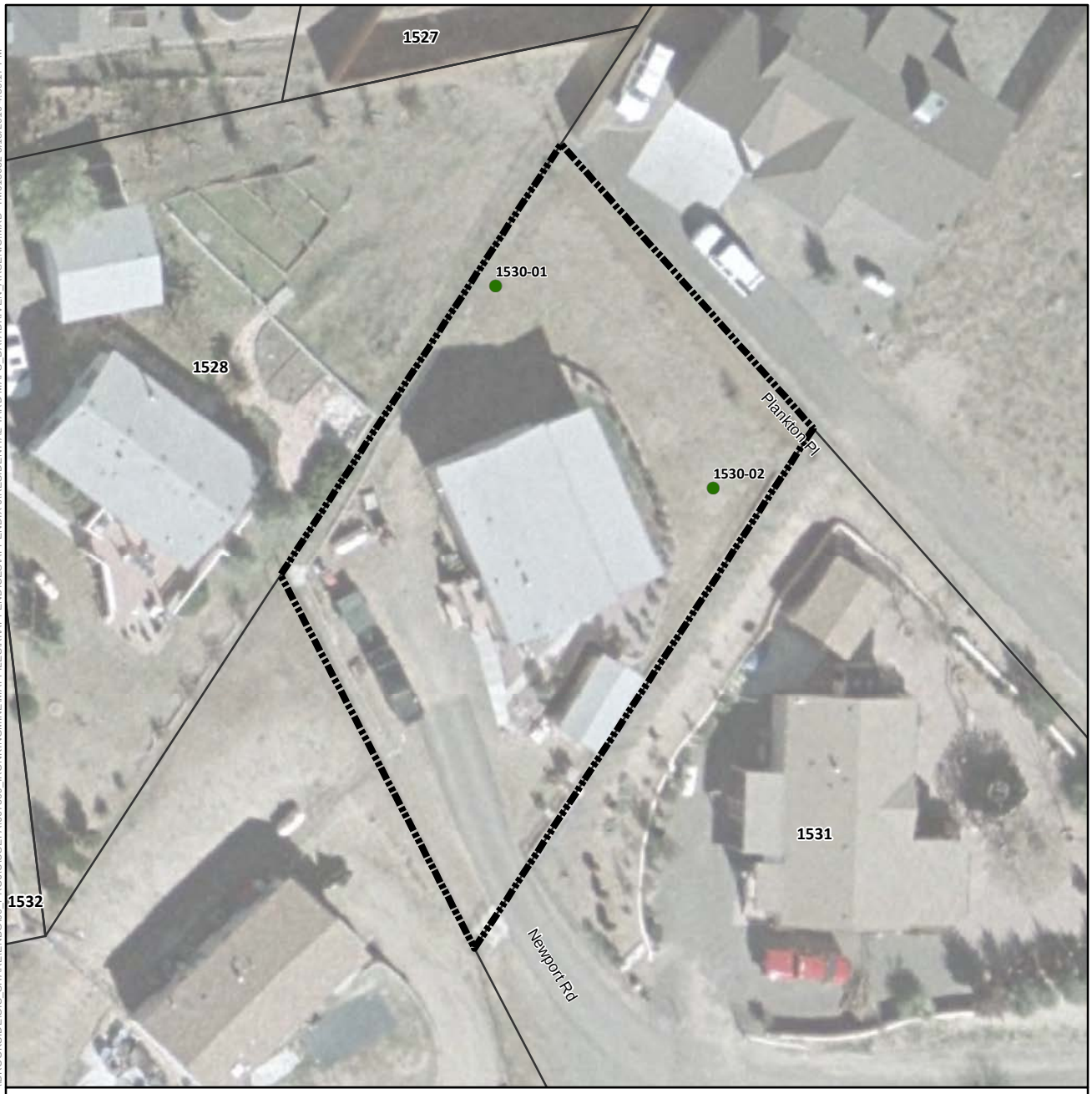


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 153 (Page 121 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

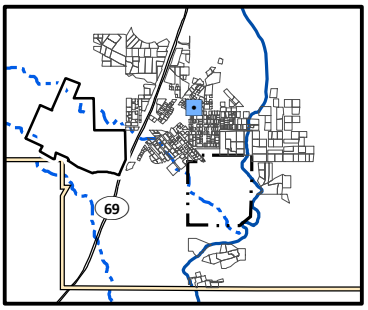


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



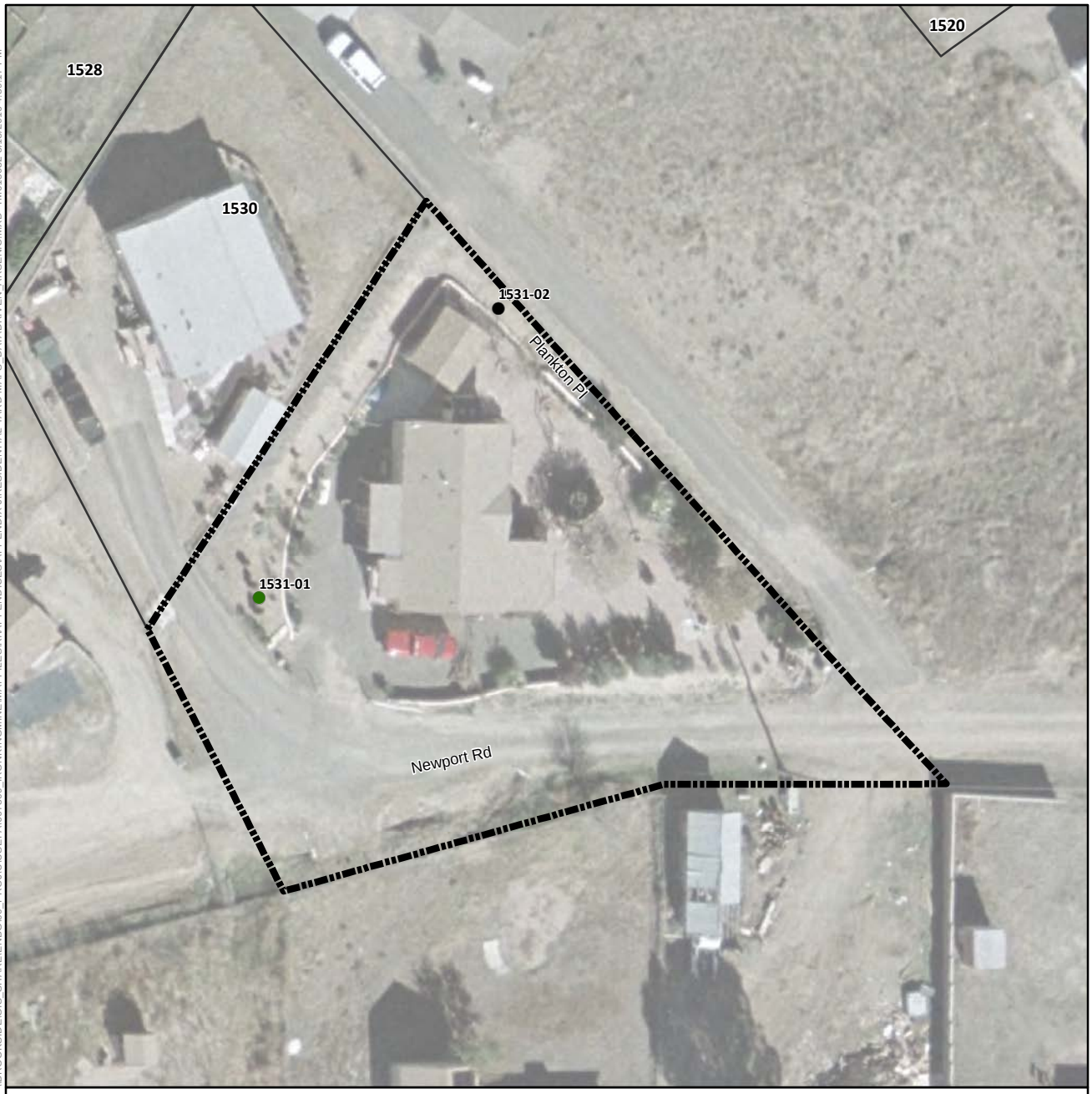
0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1530 (Page 122 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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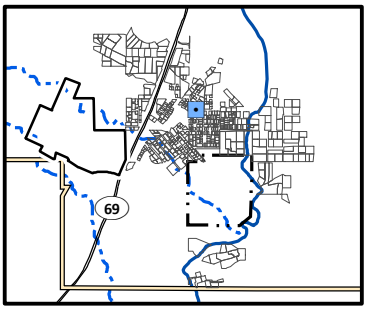


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1531 (Page 123 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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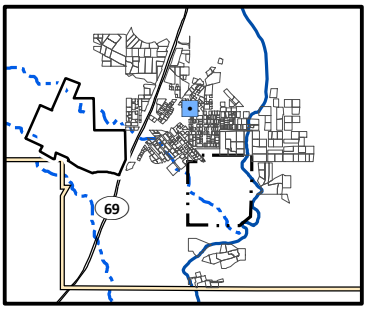


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1532 (Page 124 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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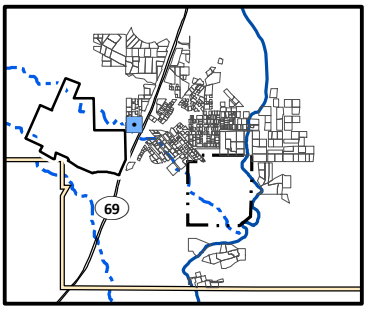
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 154 (Page 125 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



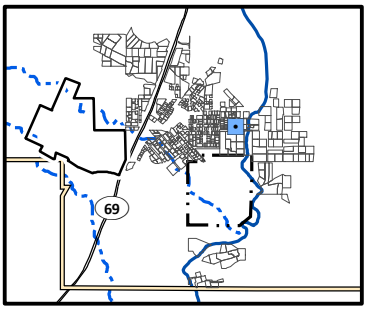
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 155 (Page 126 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



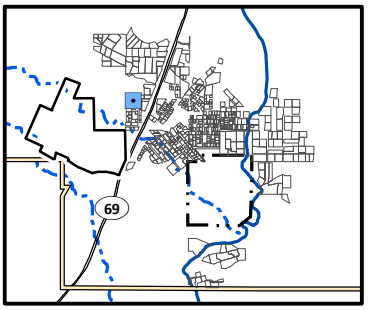
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

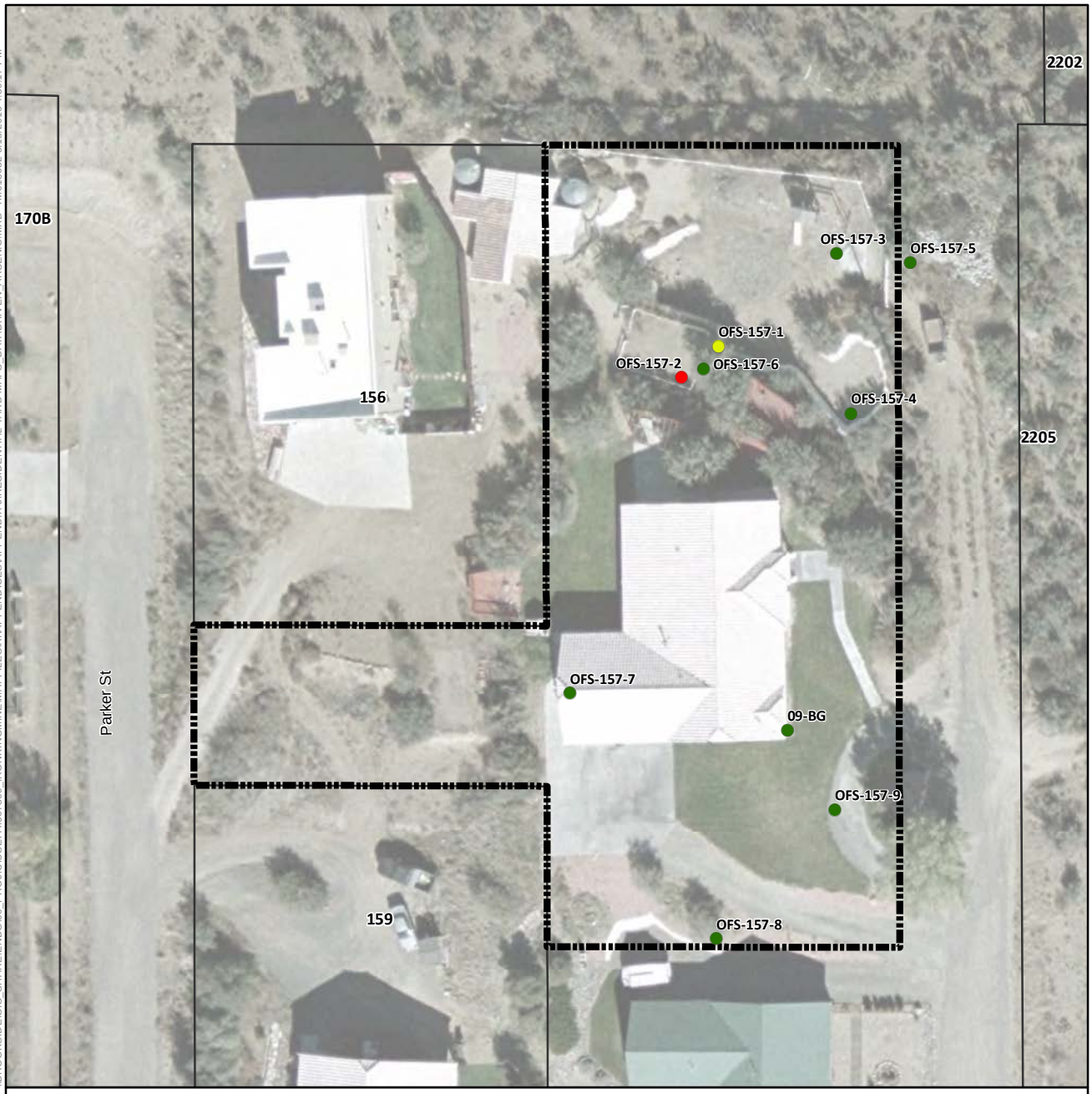


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 156 (Page 127 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



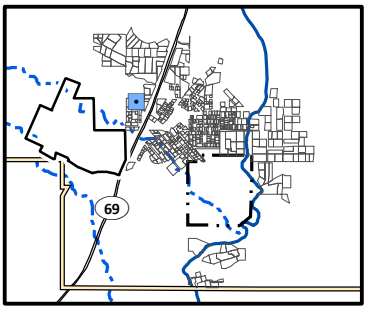
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 157 (Page 128 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



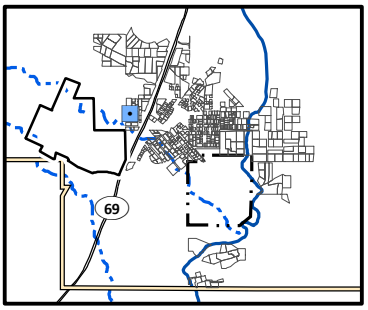
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
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- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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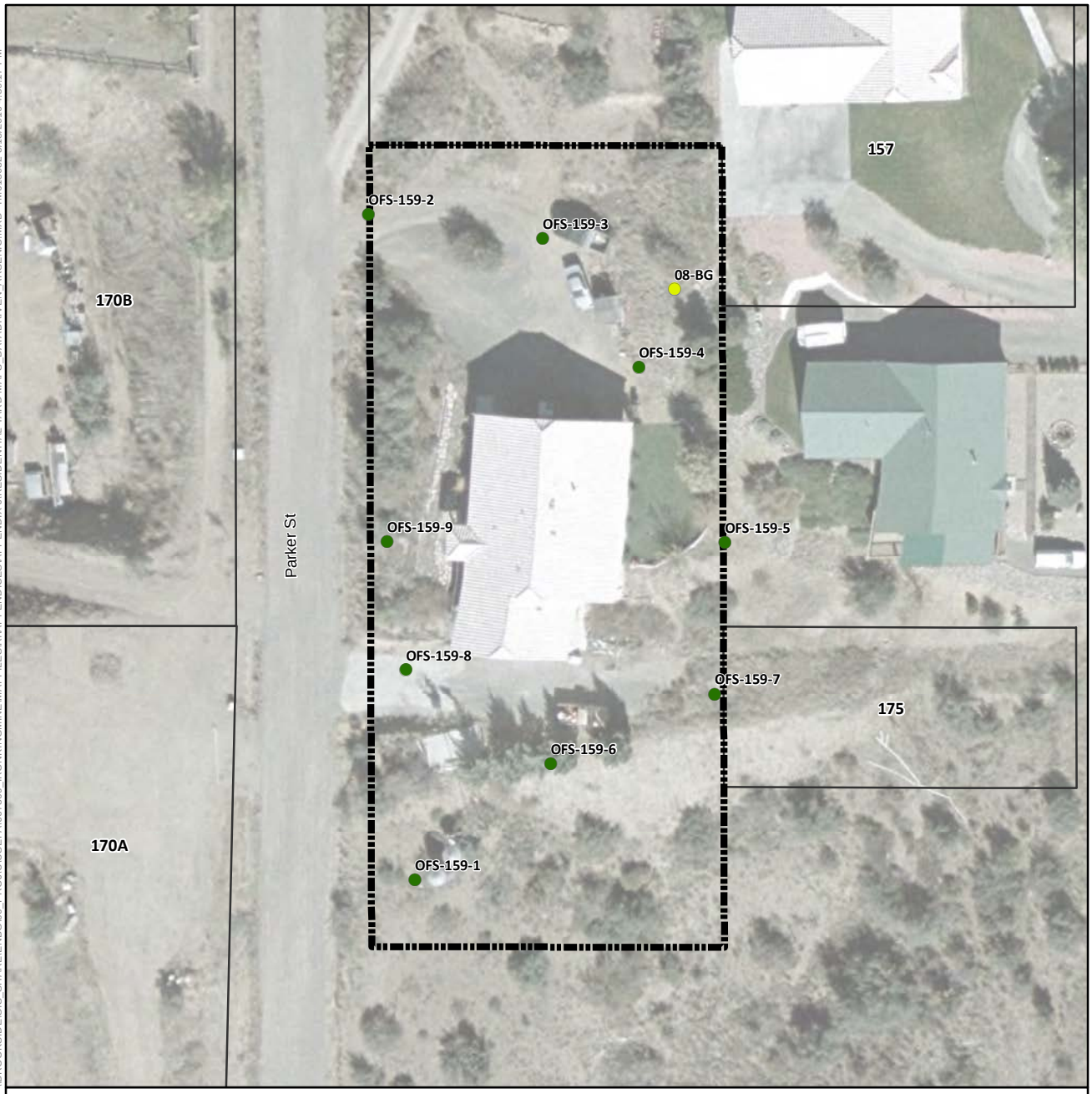


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 158 (Page 129 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



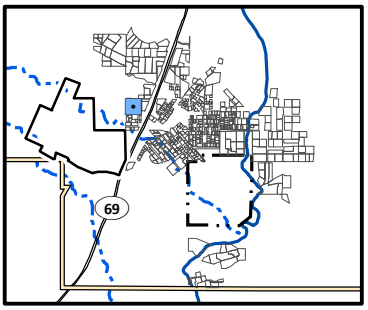
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

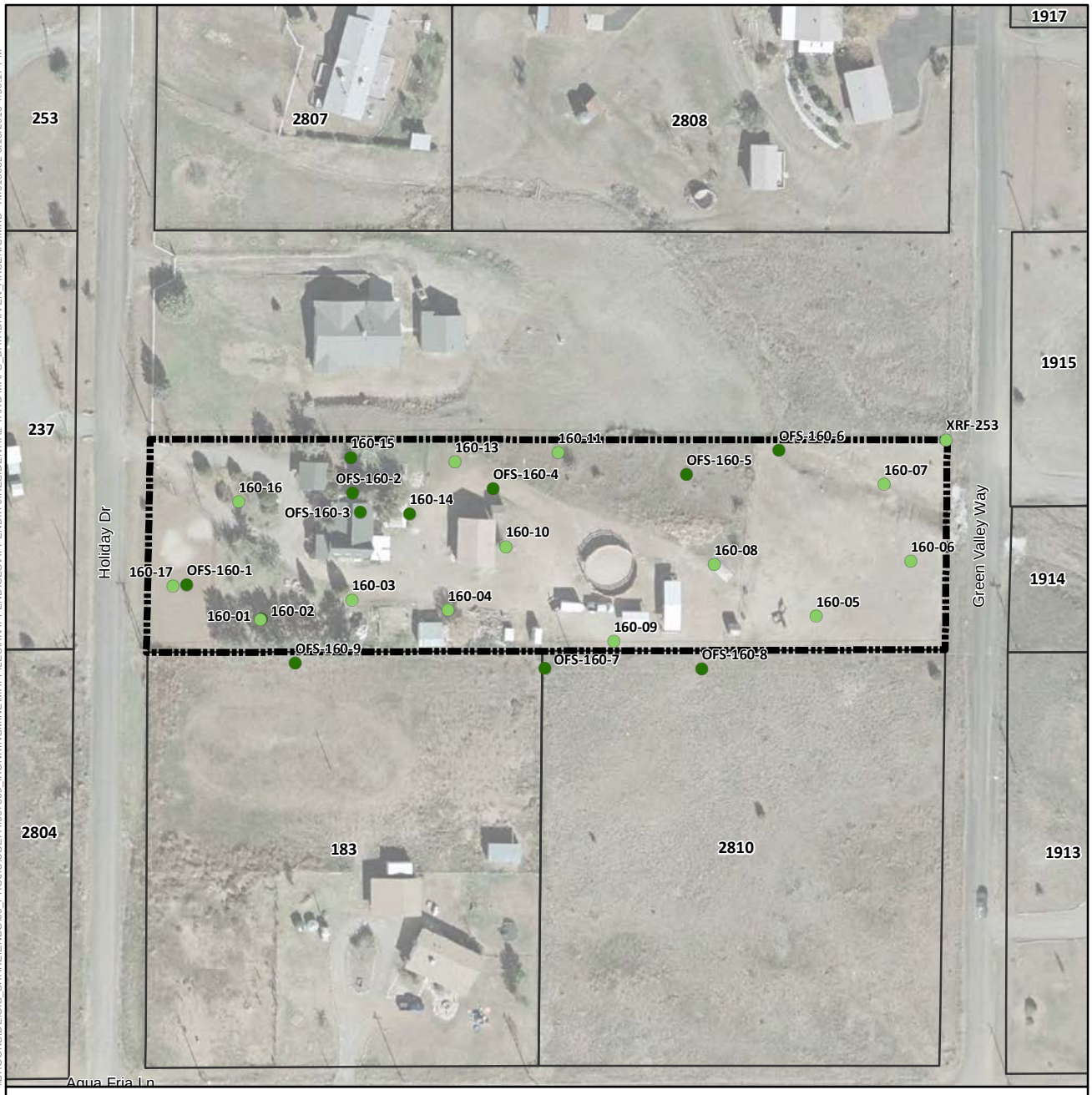


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 159 (Page 130 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



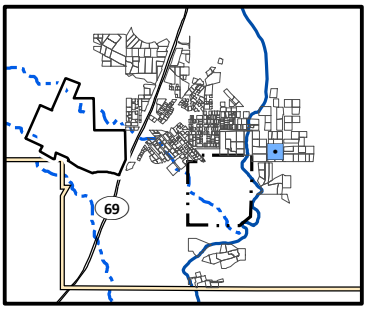
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

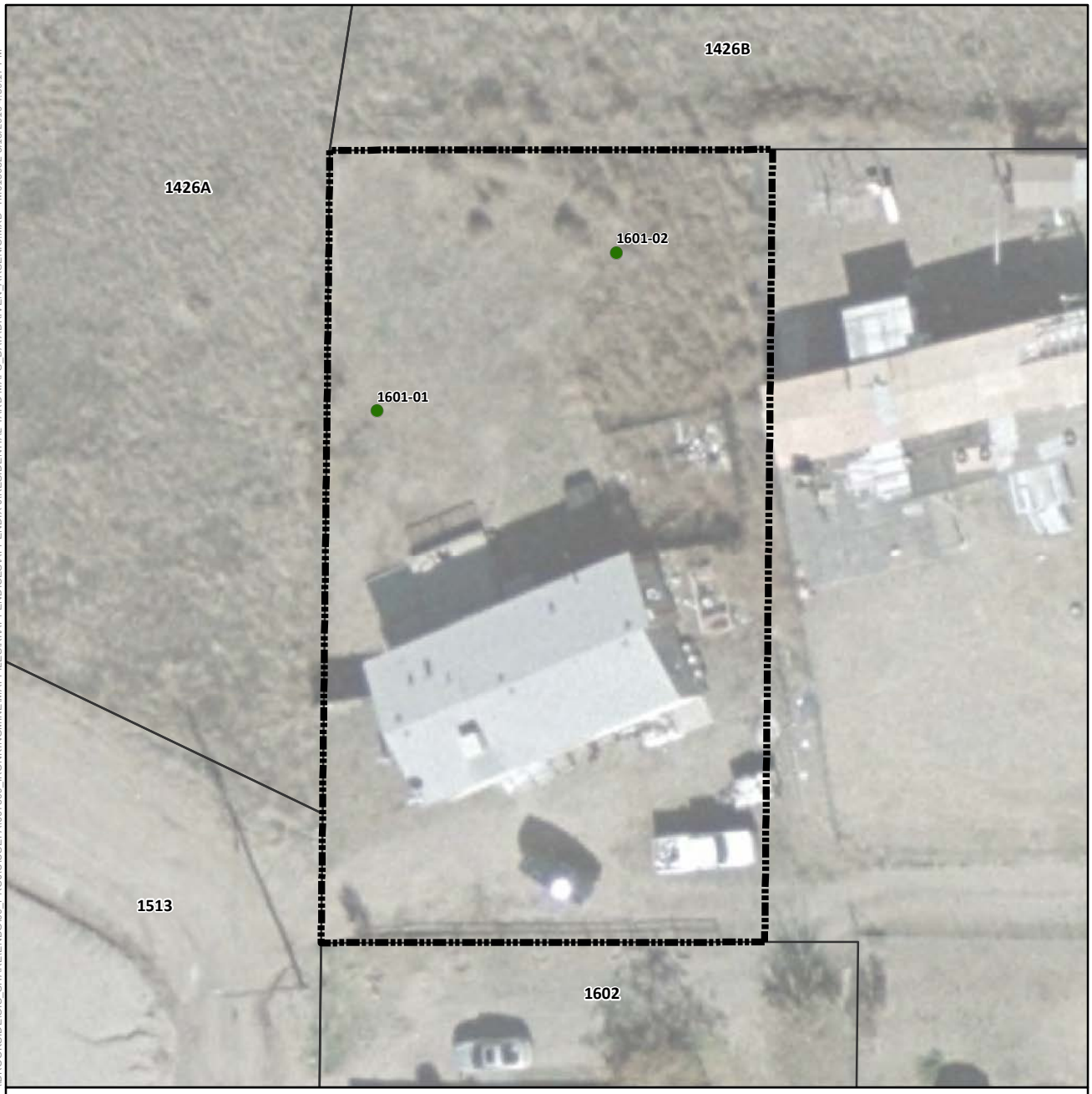


0 190
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 160 (Page 131 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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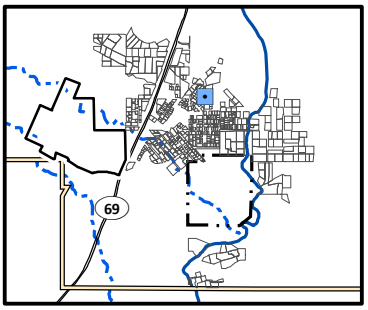


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1601 (Page 132 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



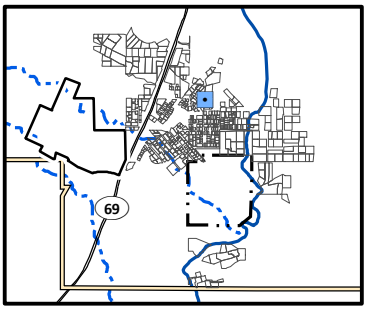
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

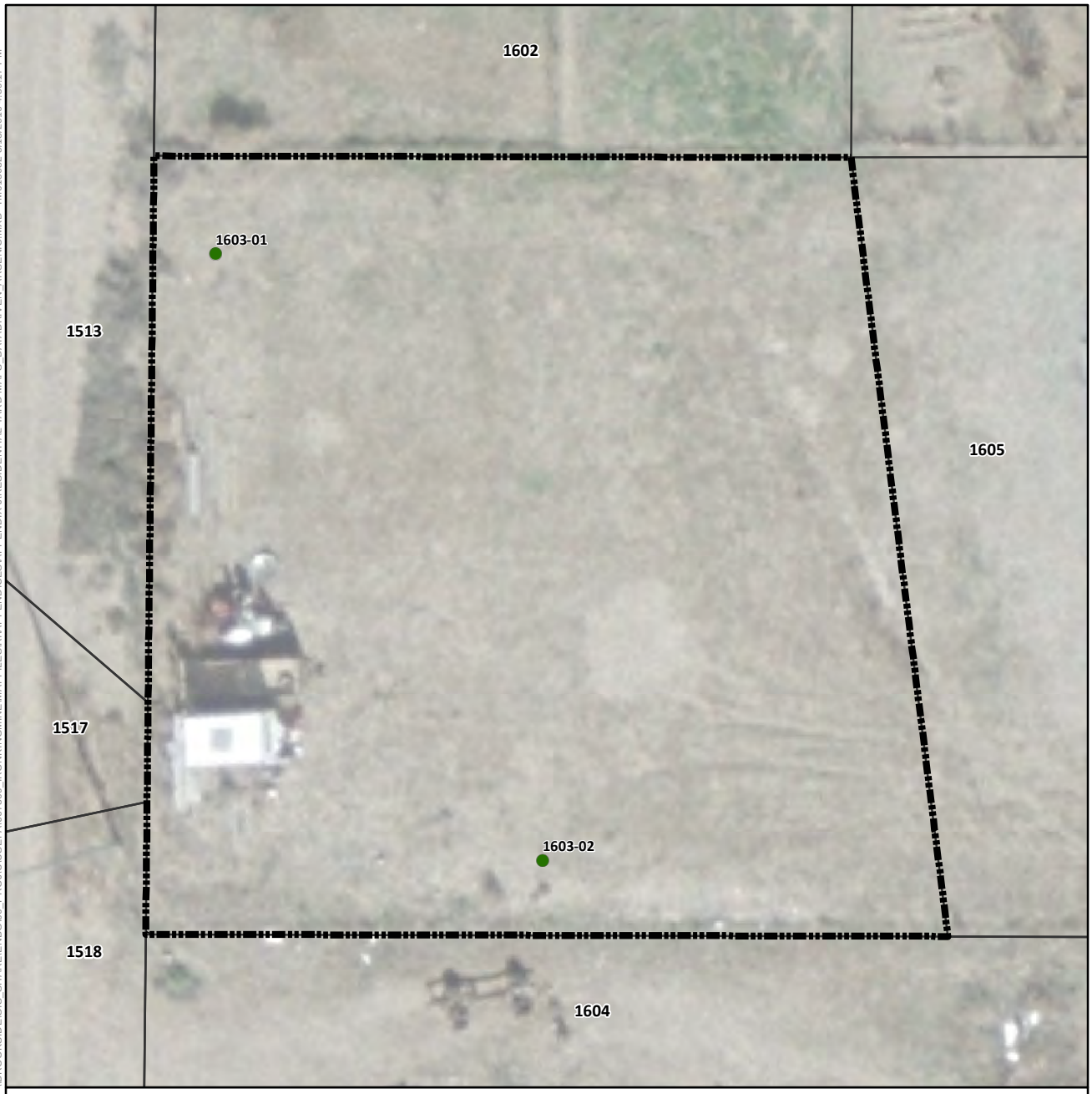


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1602 (Page 133 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



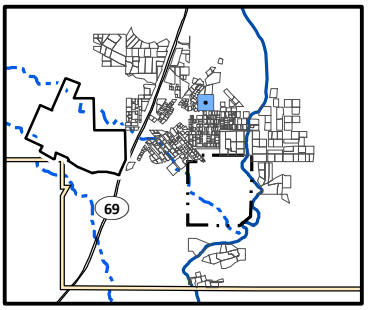
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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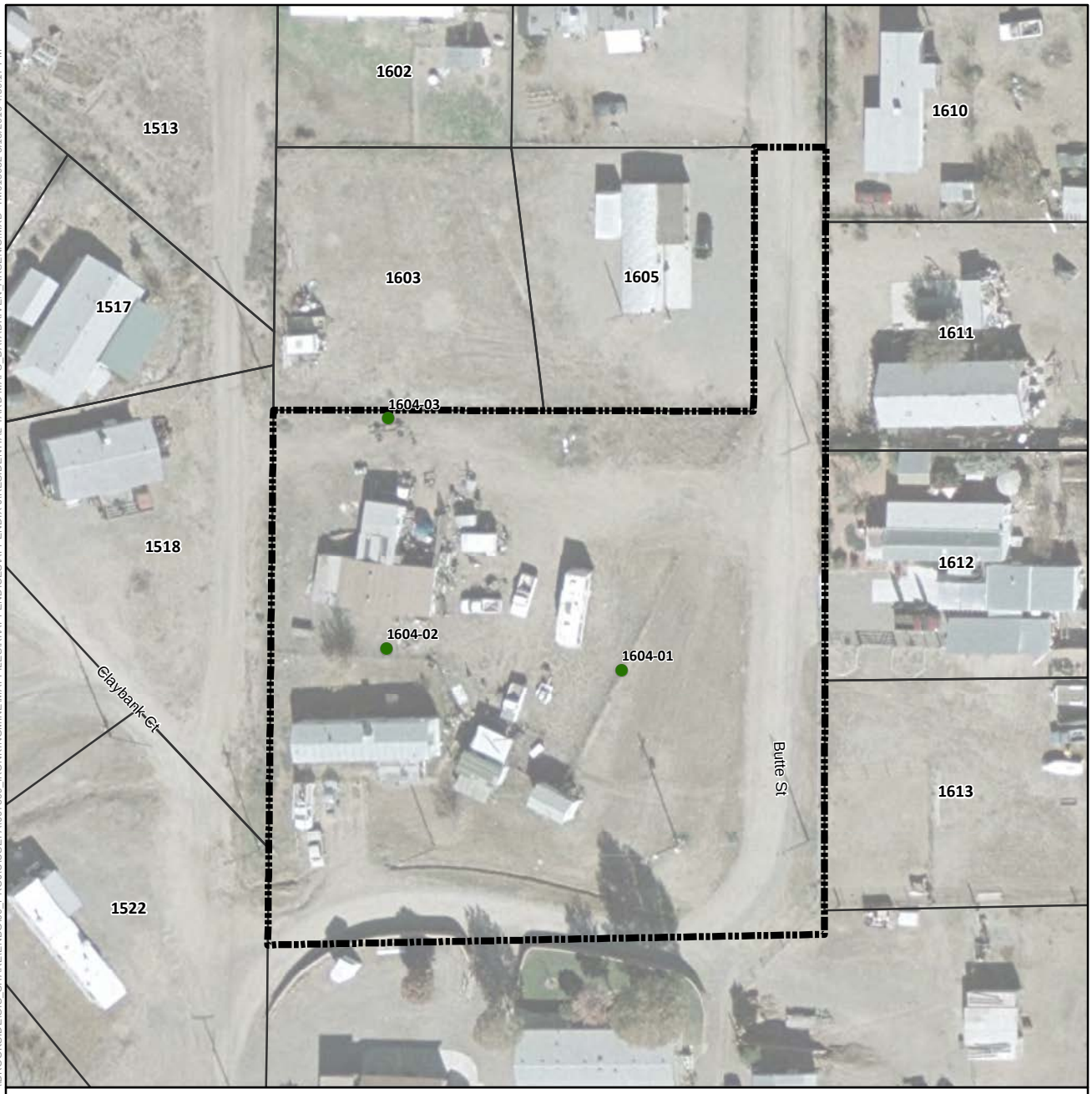


0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1603 (Page 134 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



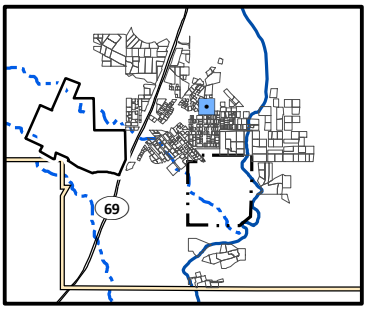
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1604 (Page 135 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

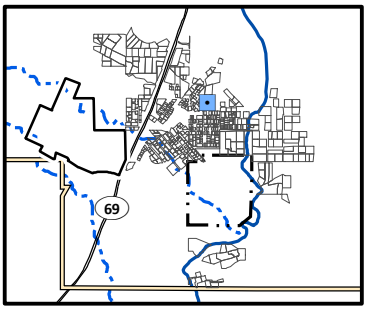


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1605 (Page 136 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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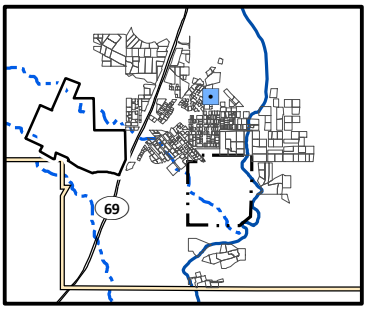


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1608 (Page 137 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



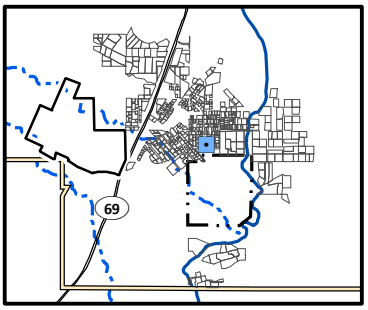
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 161 (Page 138 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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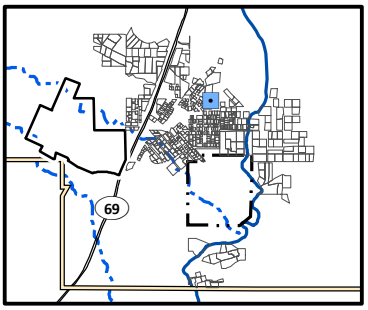


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 1610 (Page 139 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

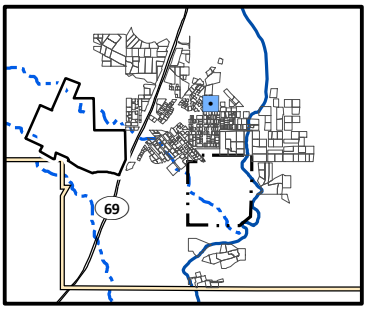


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 1611 (Page 140 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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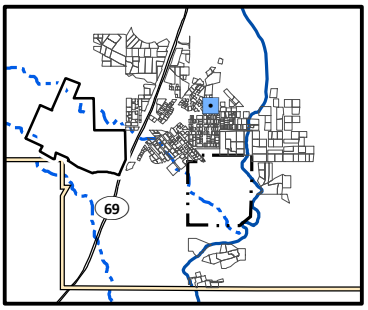


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 1612 (Page 141 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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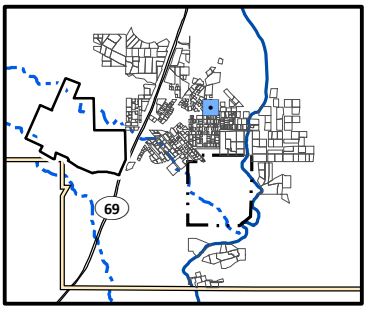
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 1613 (Page 142 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



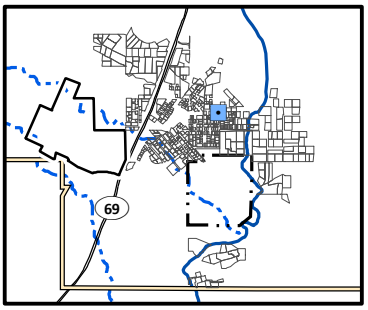
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 1618 (Page 143 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

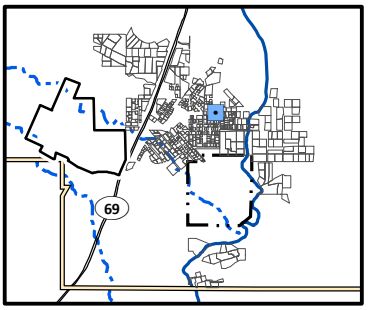


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1619 (Page 144 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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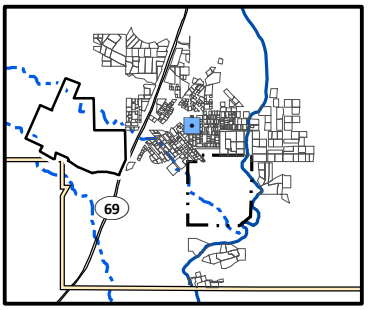


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 162 (Page 145 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



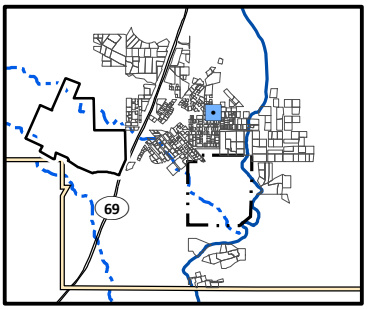
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1620 (Page 146 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



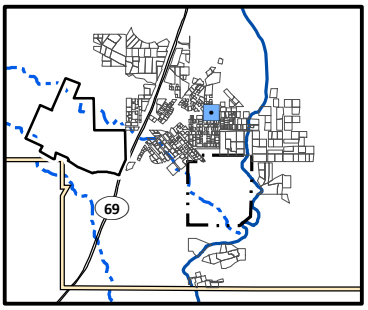
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1621A (Page 147 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

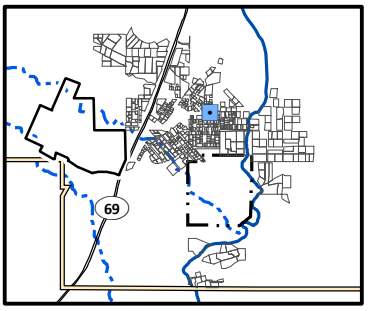


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



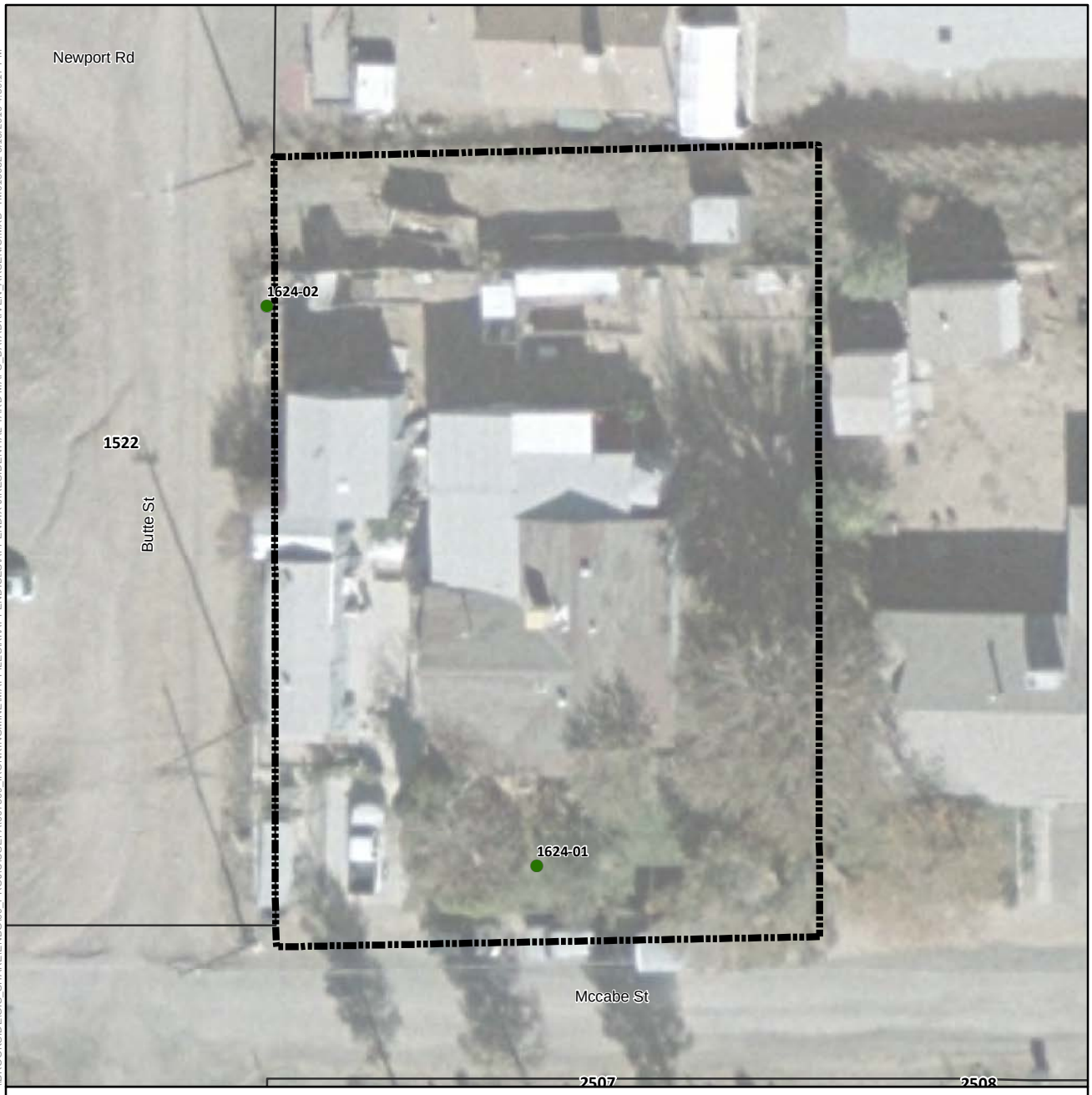
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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 1621B (Page 148 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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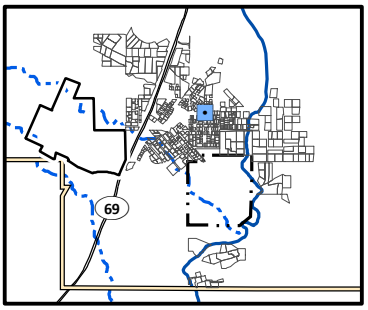
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 1624 (Page 149 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



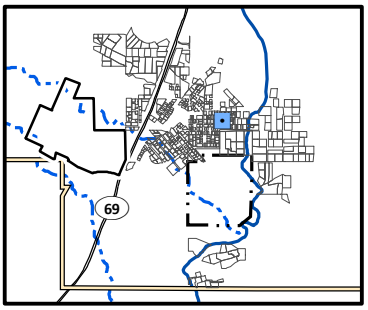
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



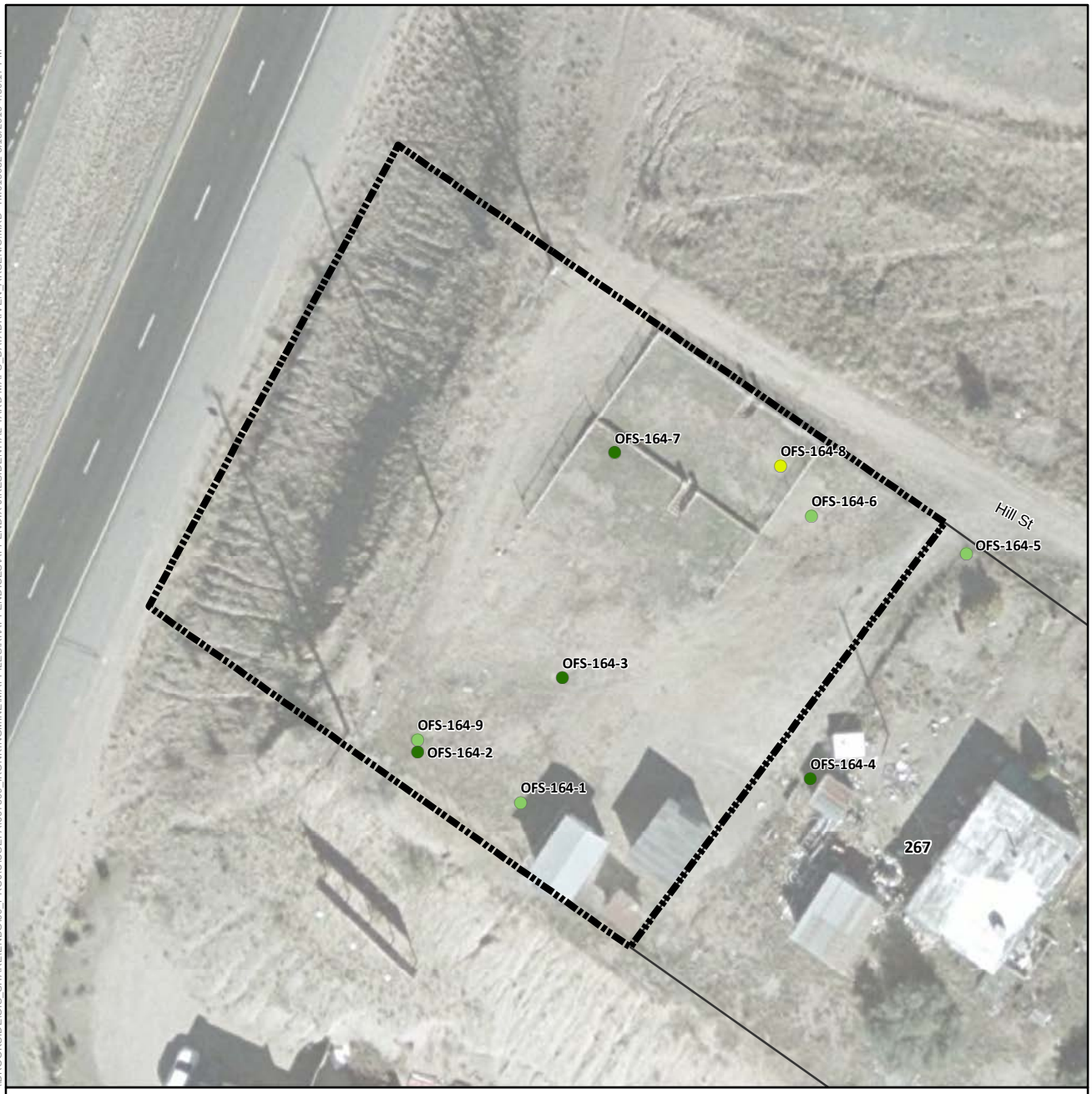
0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 163 (Page 150 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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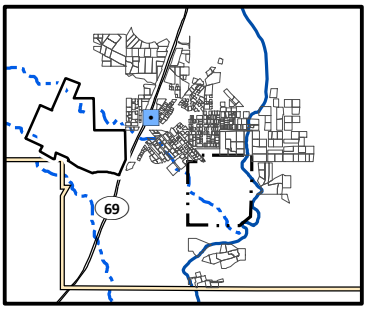


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

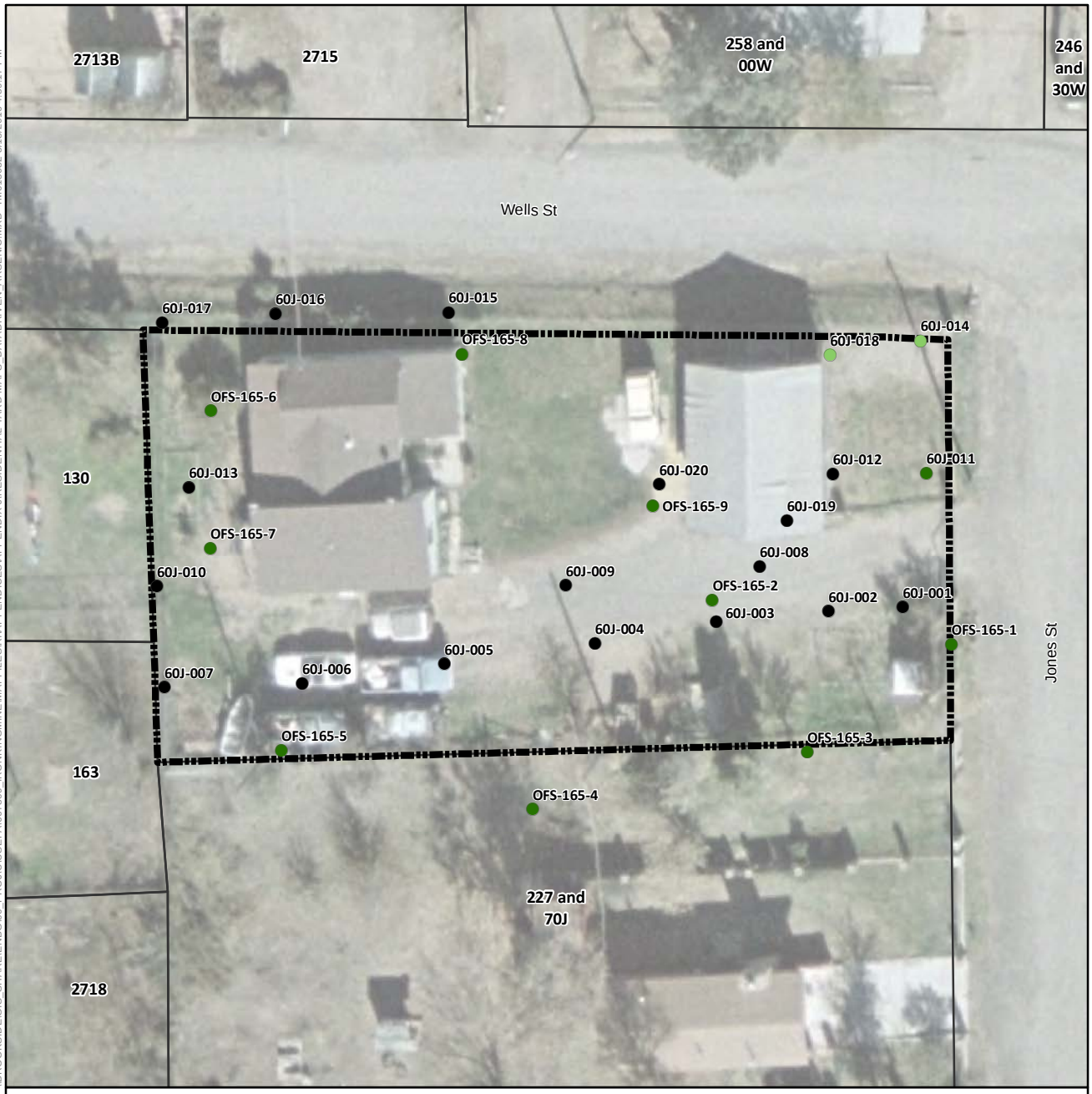


0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 164 (Page 151 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



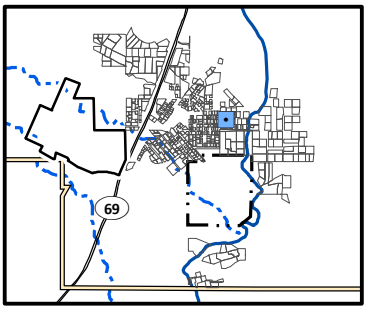
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

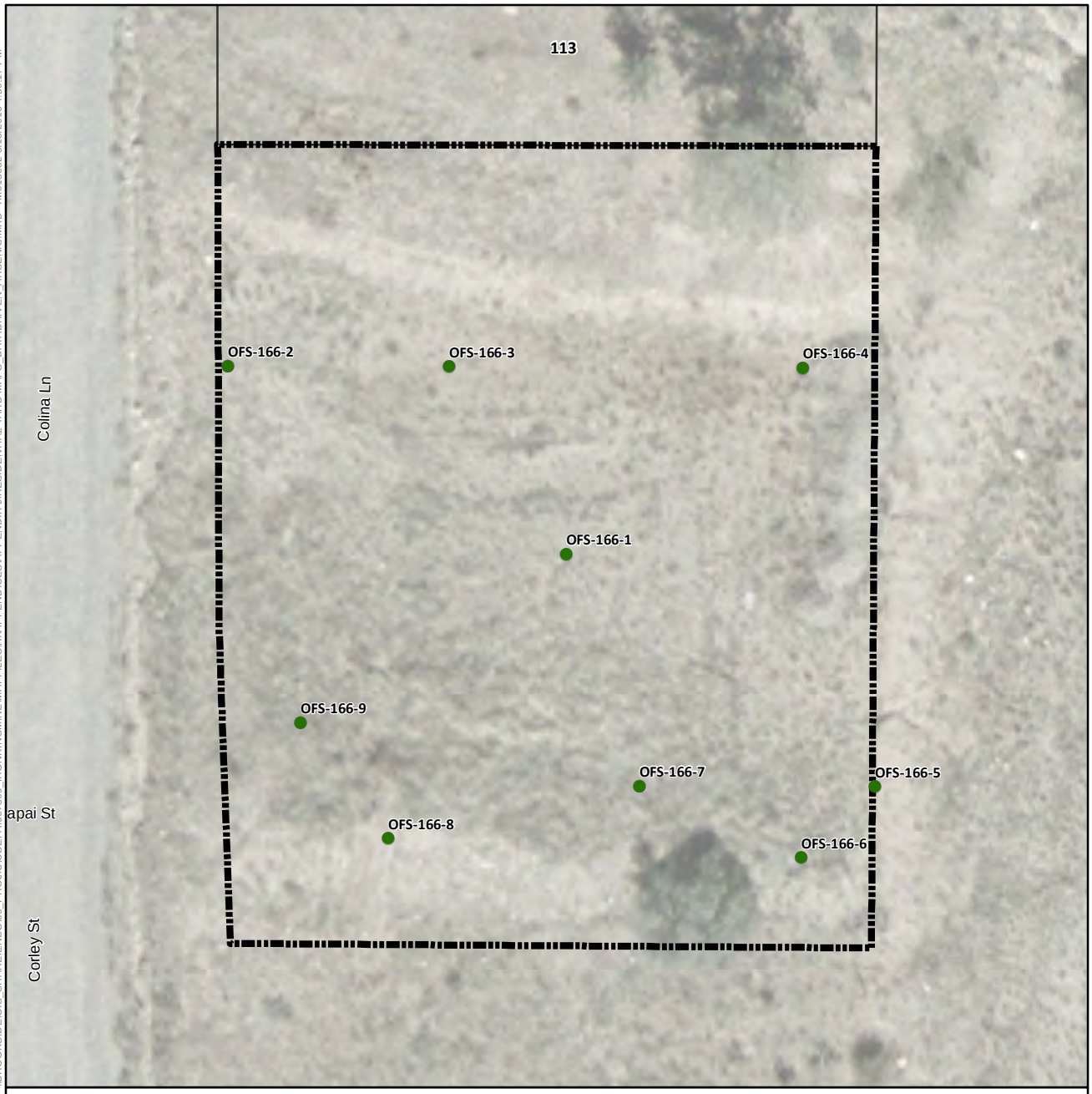
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 165 and 60J (Page 152 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



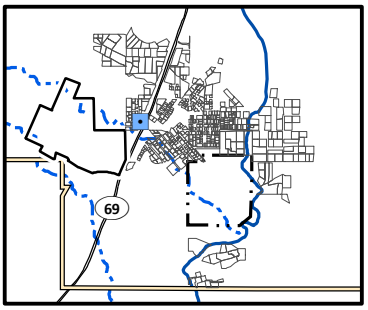
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

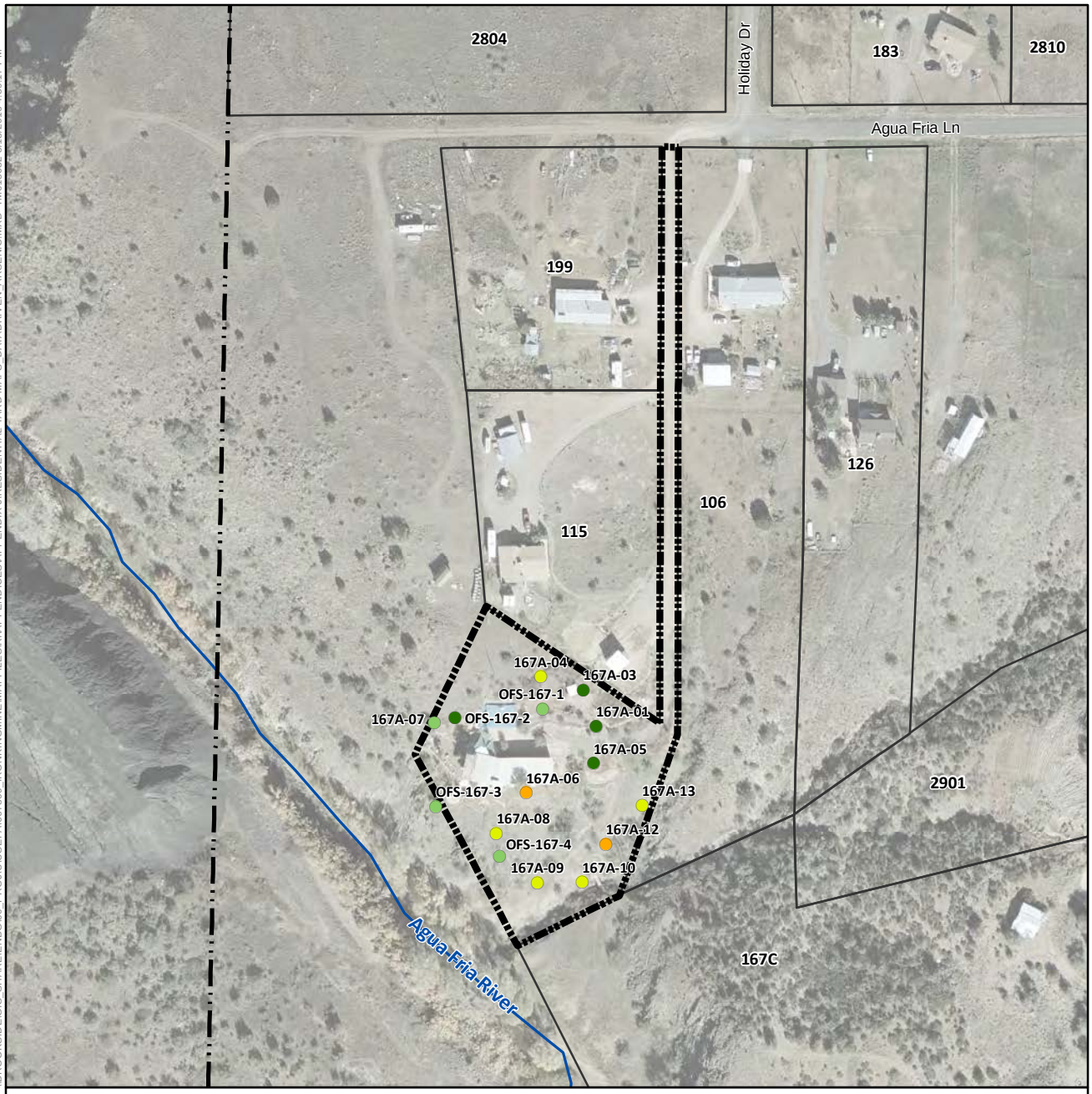


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 166 (Page 153 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



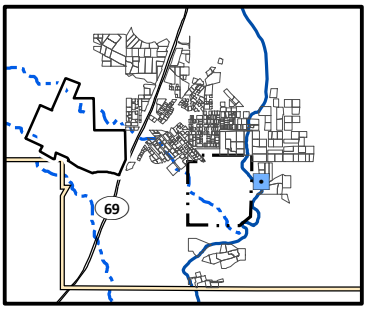
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

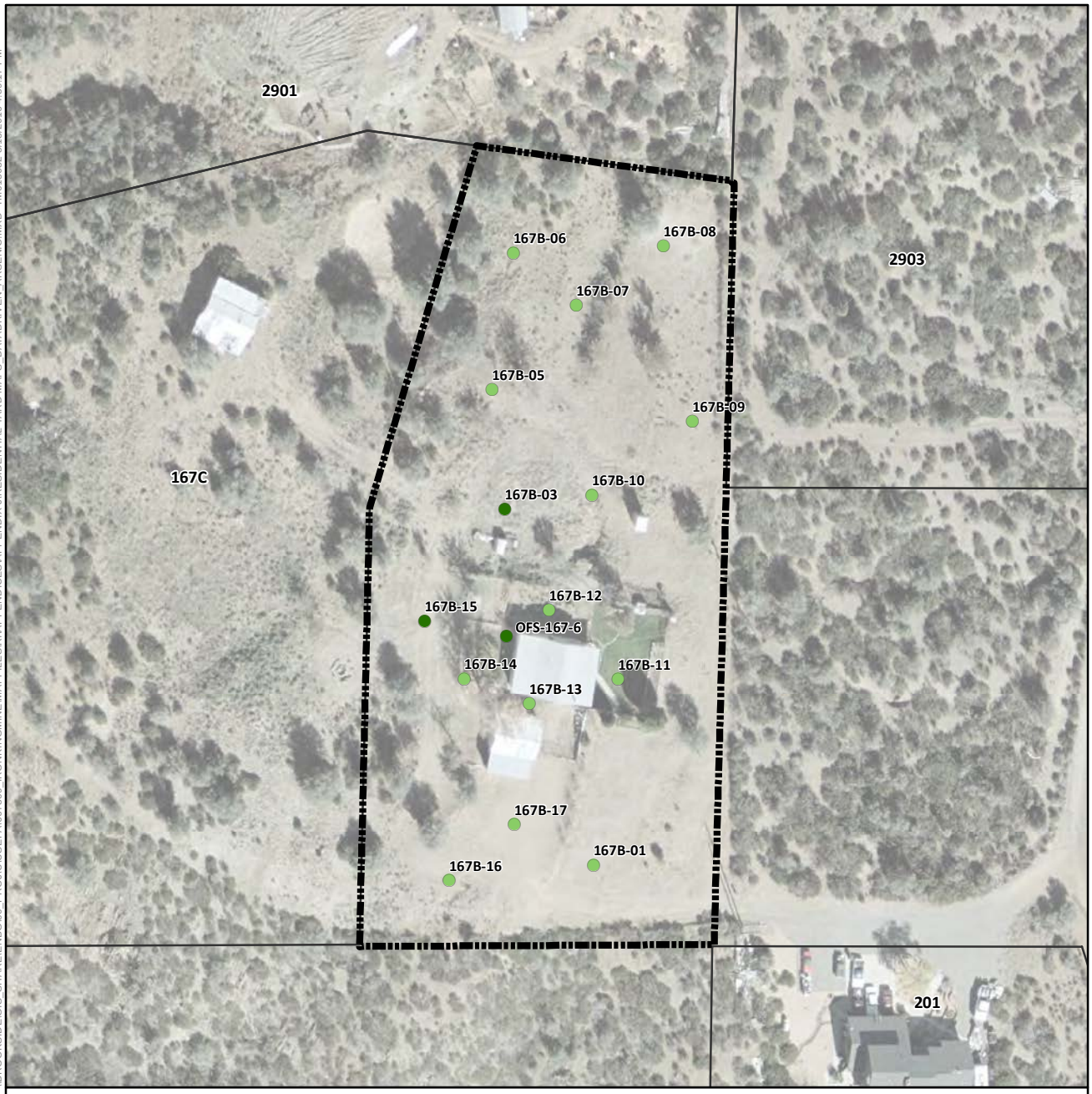
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 320
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 167A (Page 154 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



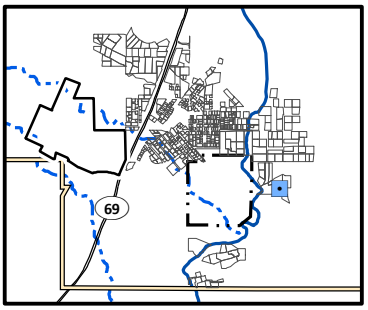
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

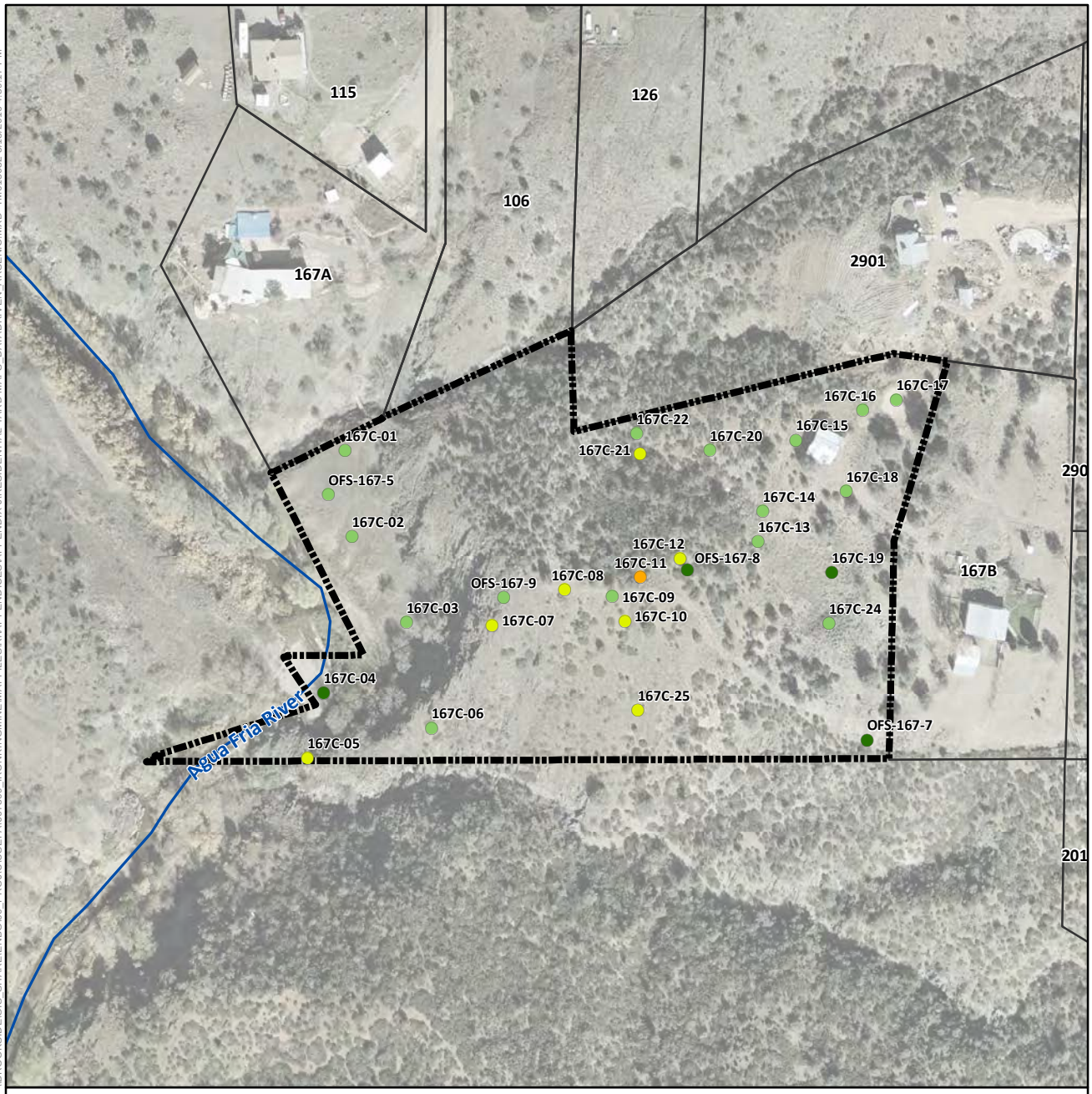


0 140
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 167B (Page 155 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



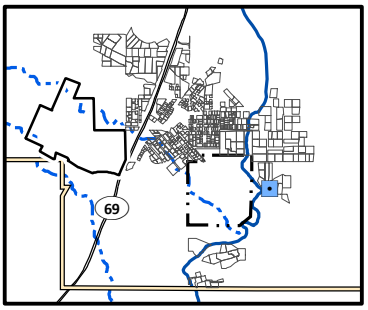
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 300
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 167C (Page 156 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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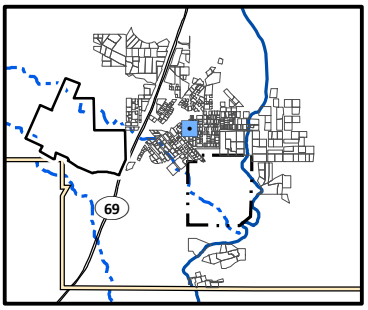


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 168 (Page 157 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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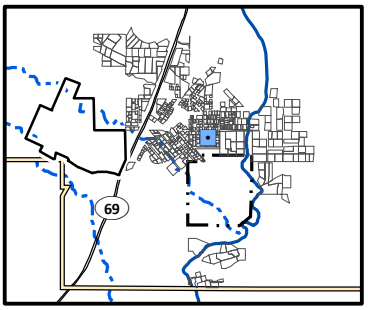


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

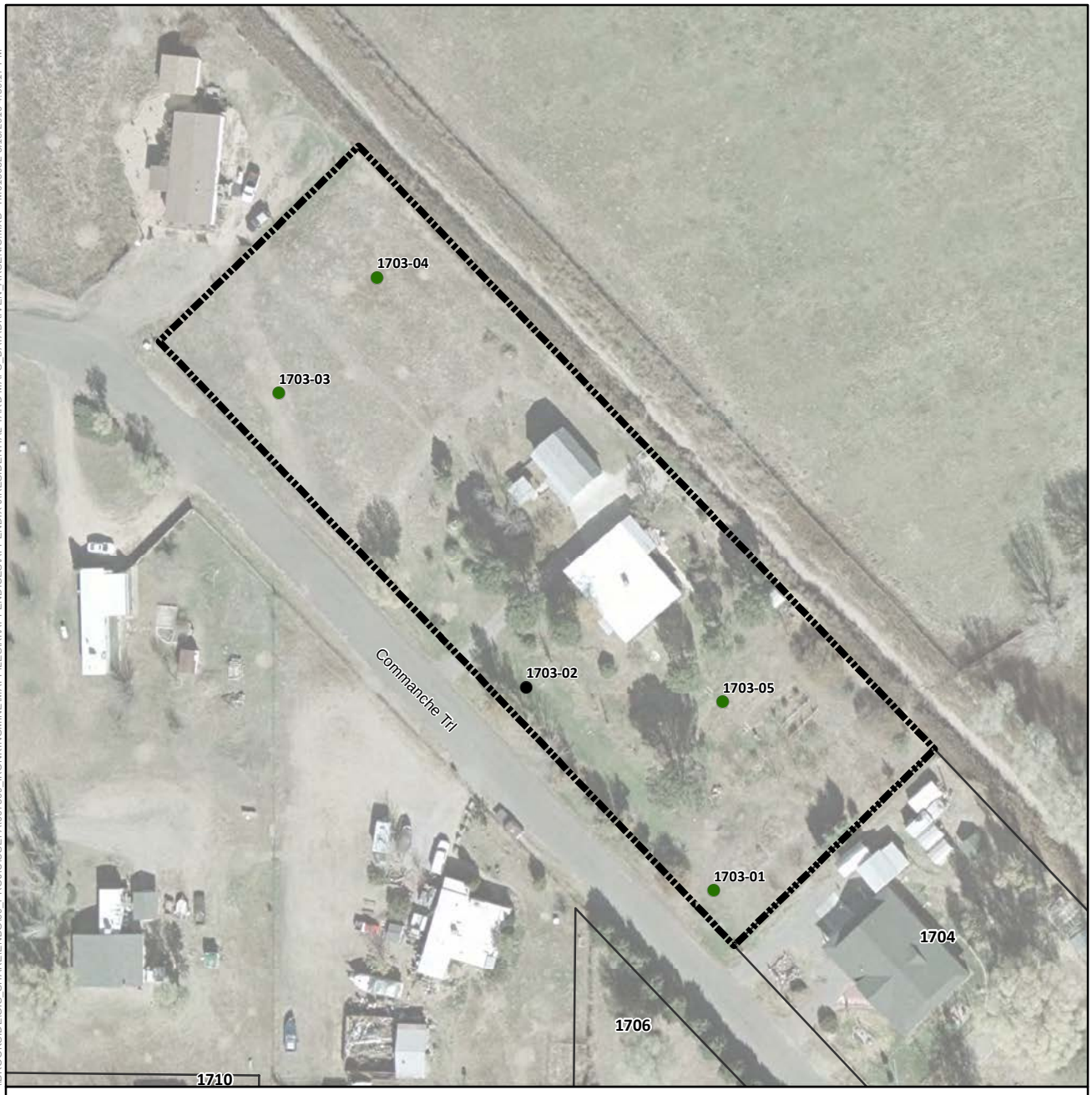


0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 169 (Page 158 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

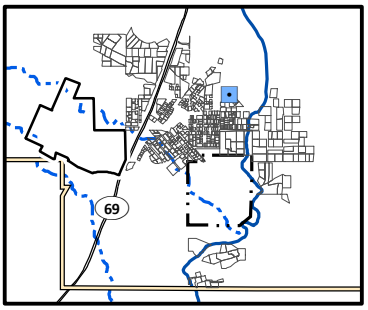


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



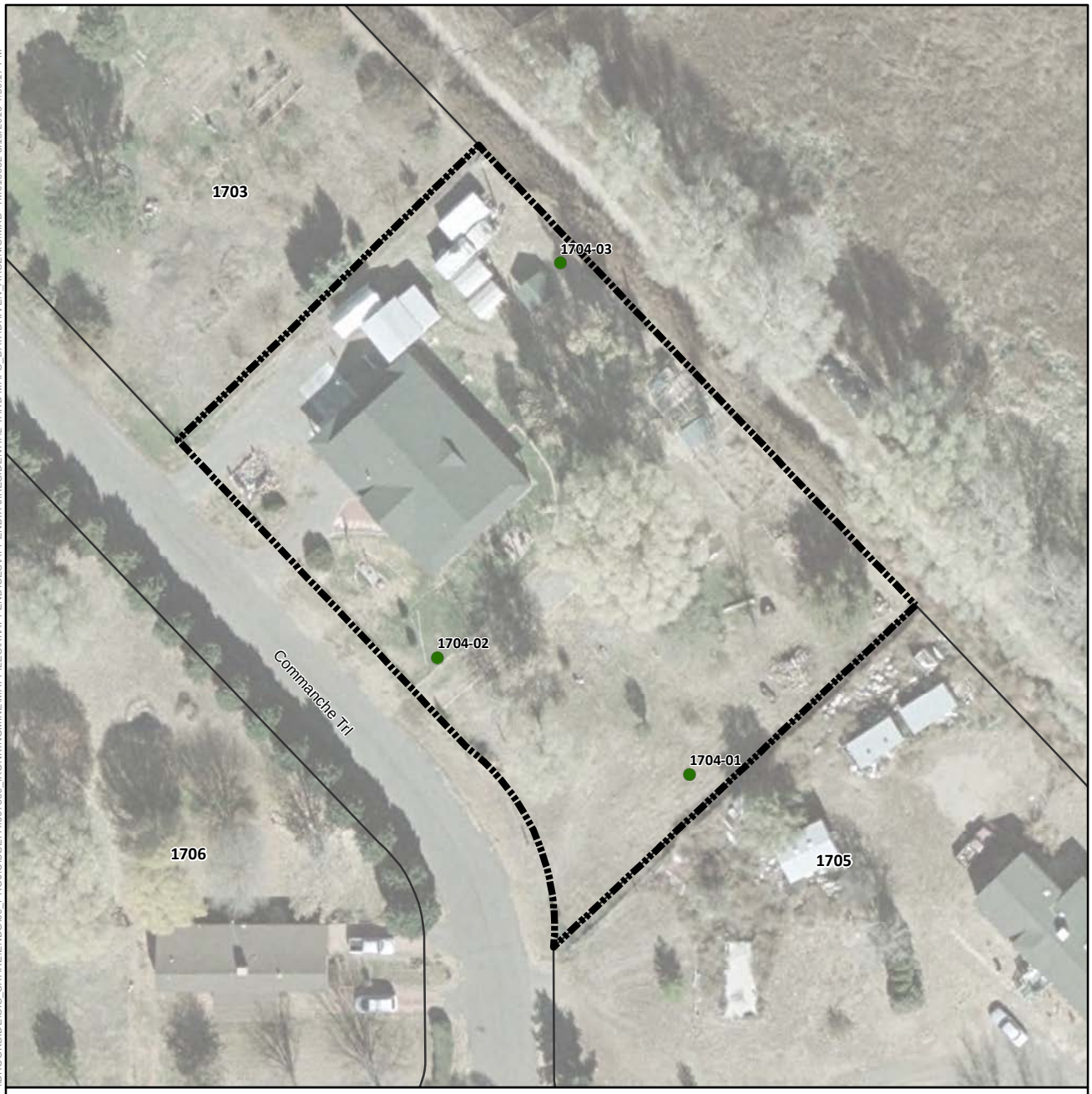
0 150
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1703 (Page 159 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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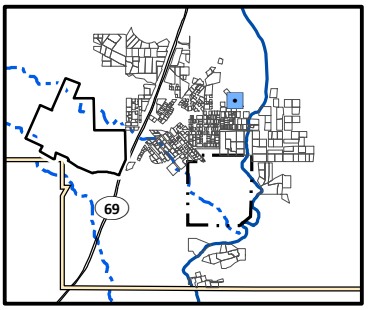


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1704 (Page 160 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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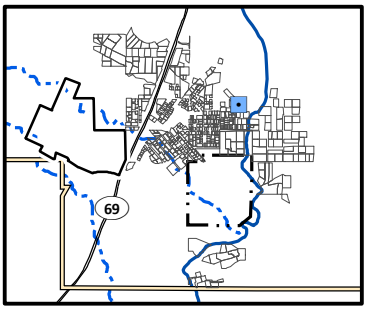
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1705 (Page 161 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



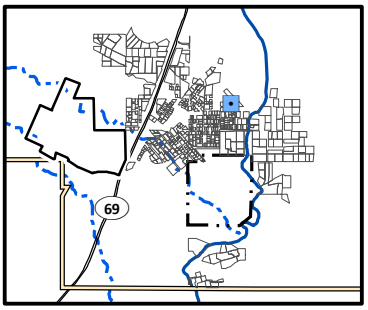
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

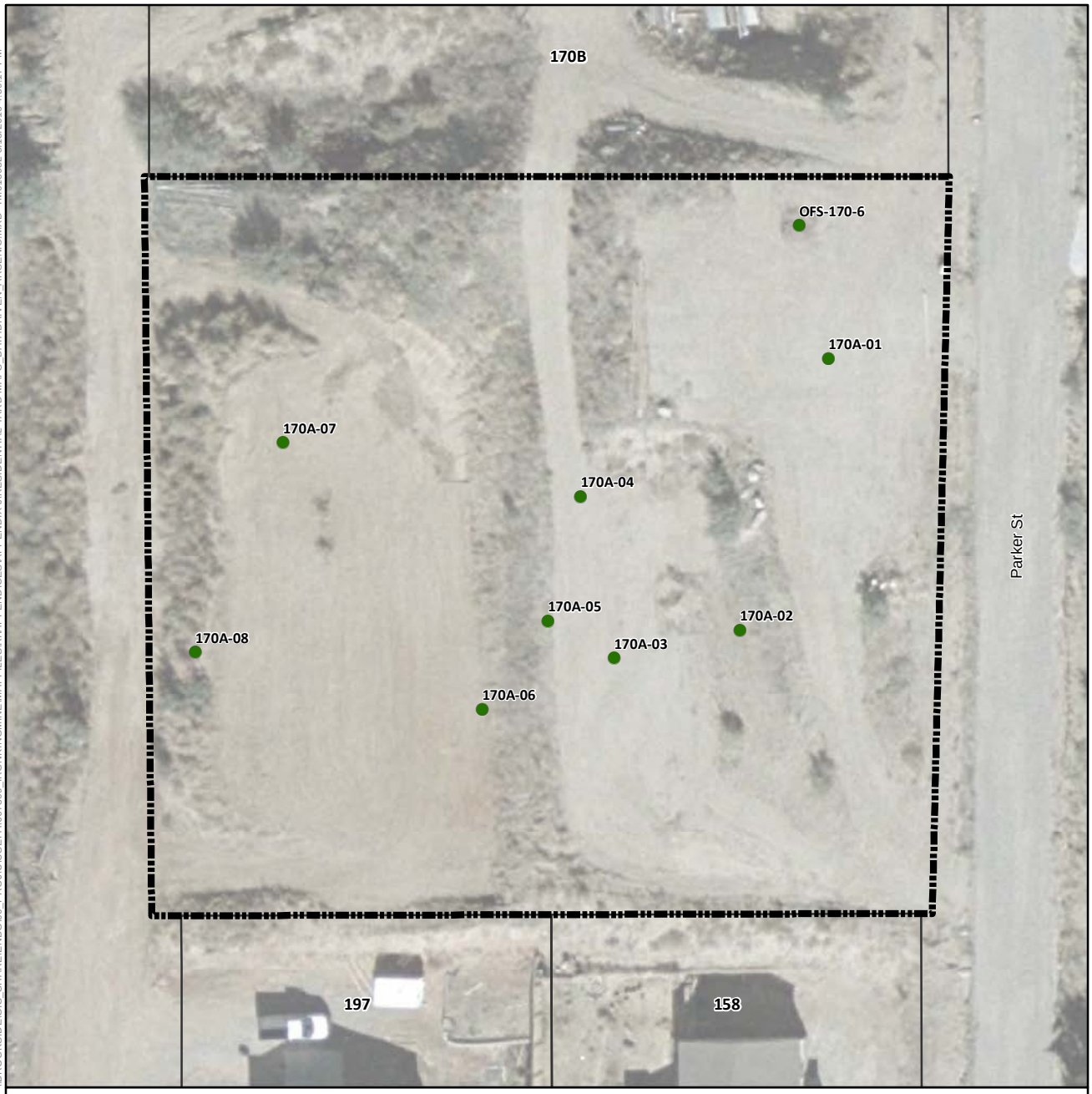


0 90
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1706 (Page 162 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



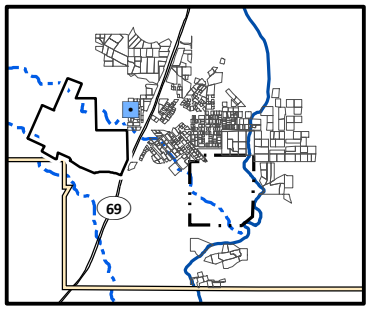
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 170A (Page 163 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



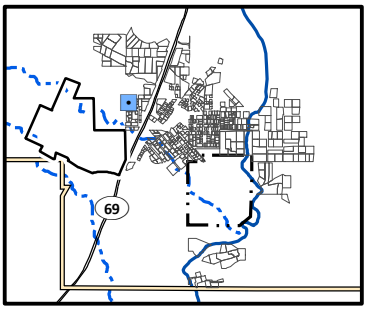
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

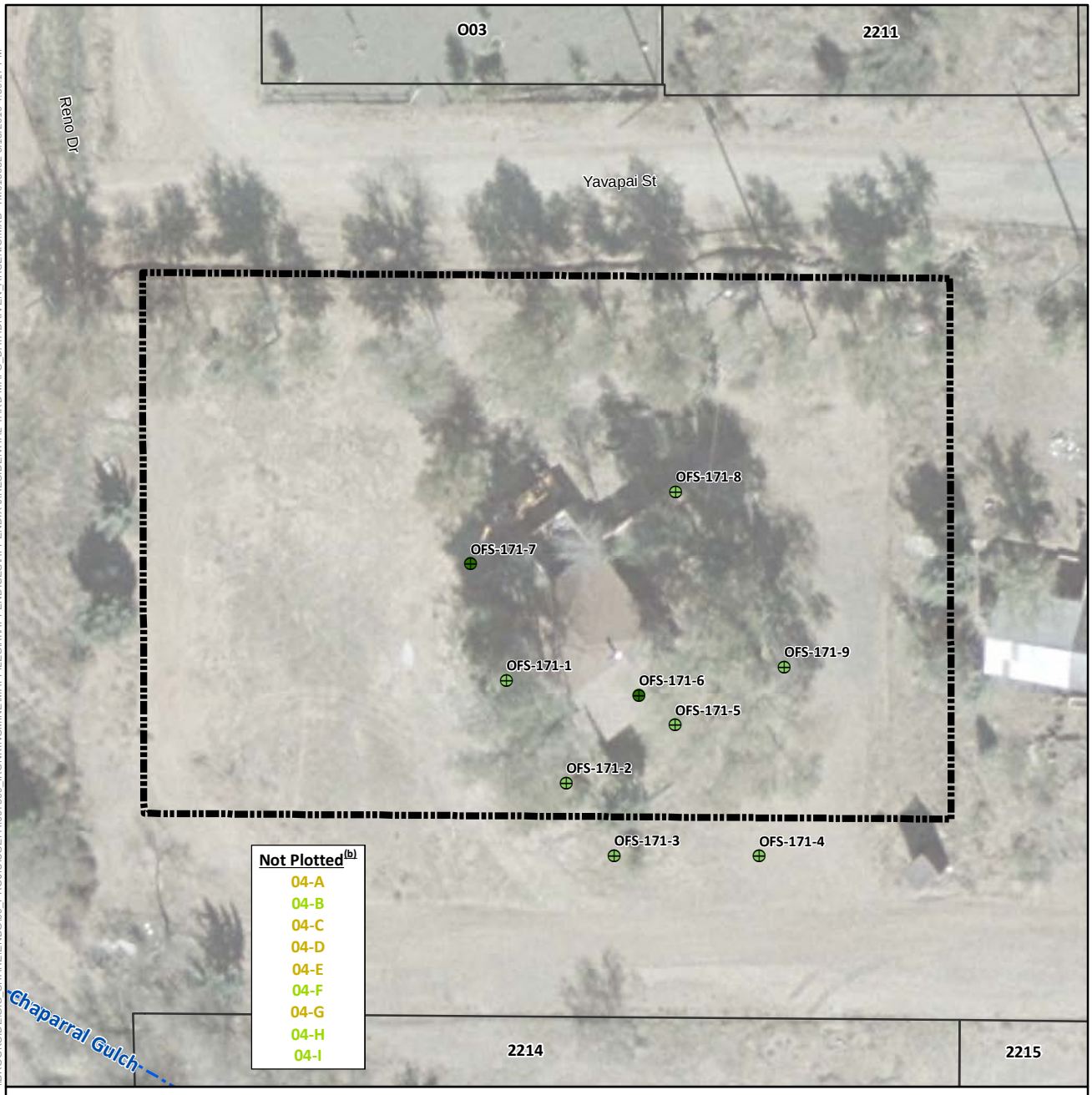


0 120
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 170B (Page 164 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



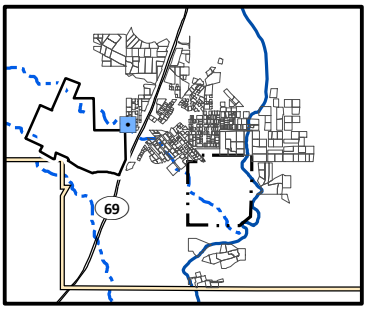
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 04-A through 04-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 171 and O04 (Page 165 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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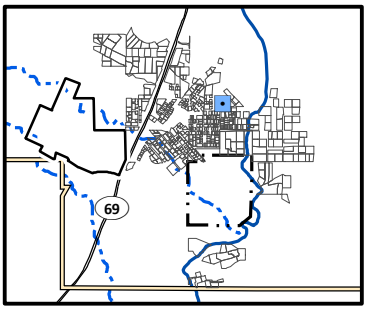


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1710 (Page 166 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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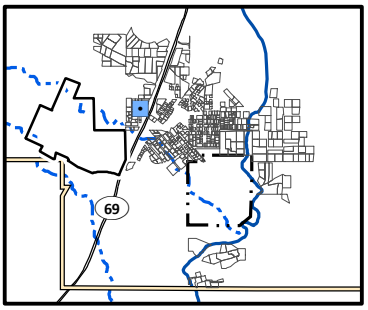


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 172 (Page 167 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



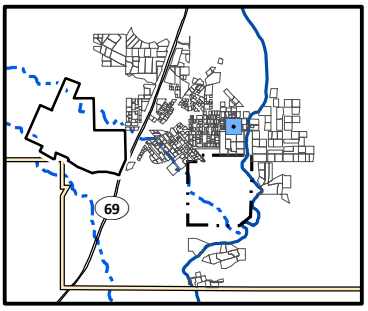
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

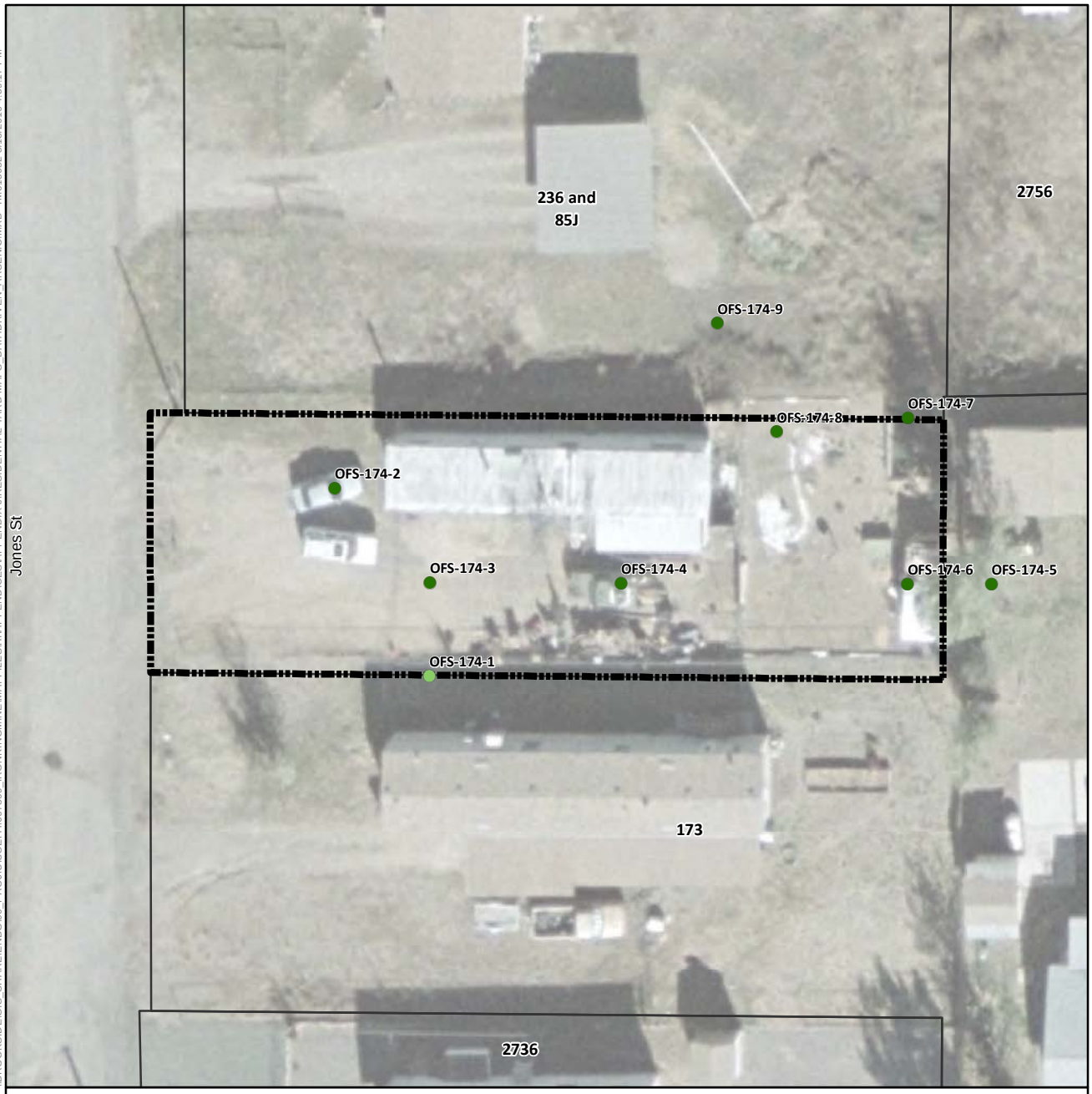
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 173 (Page 168 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



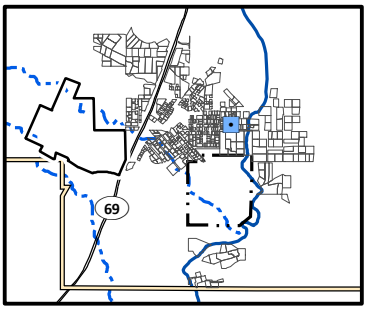
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 174 (Page 169 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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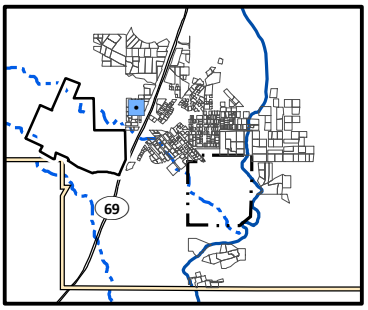


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 175 (Page 170 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



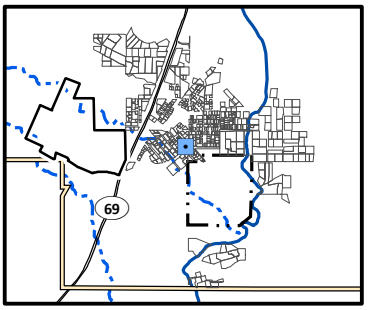
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

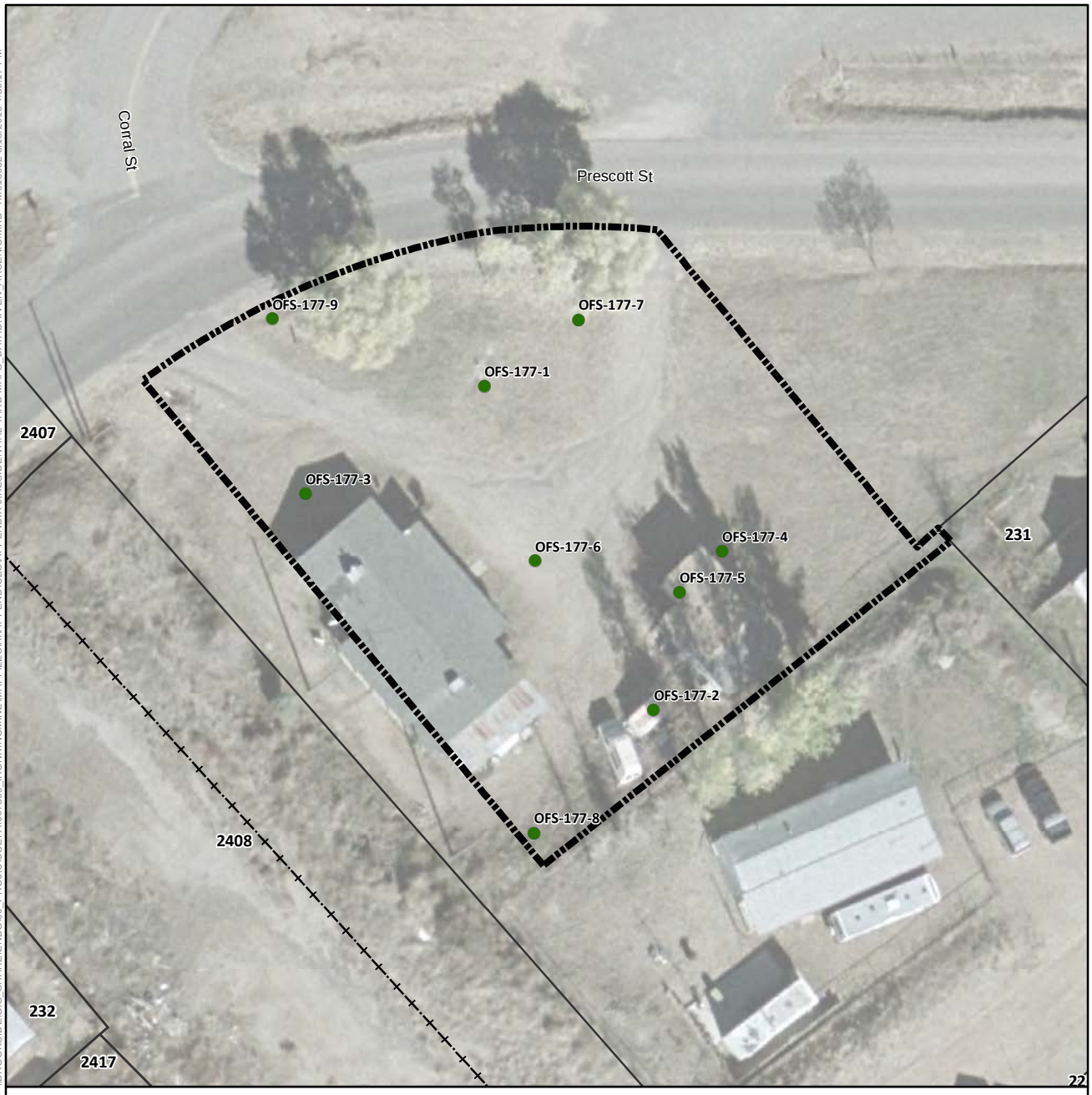


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 176 (Page 171 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



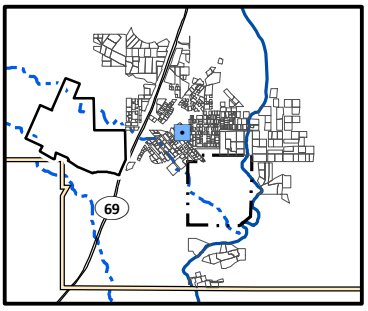
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 177 (Page 172 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



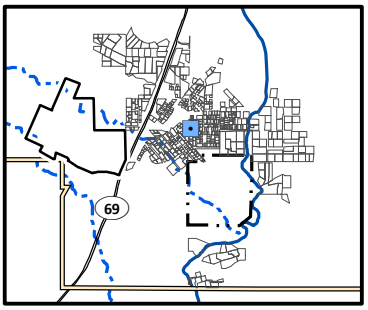
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
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- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
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- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

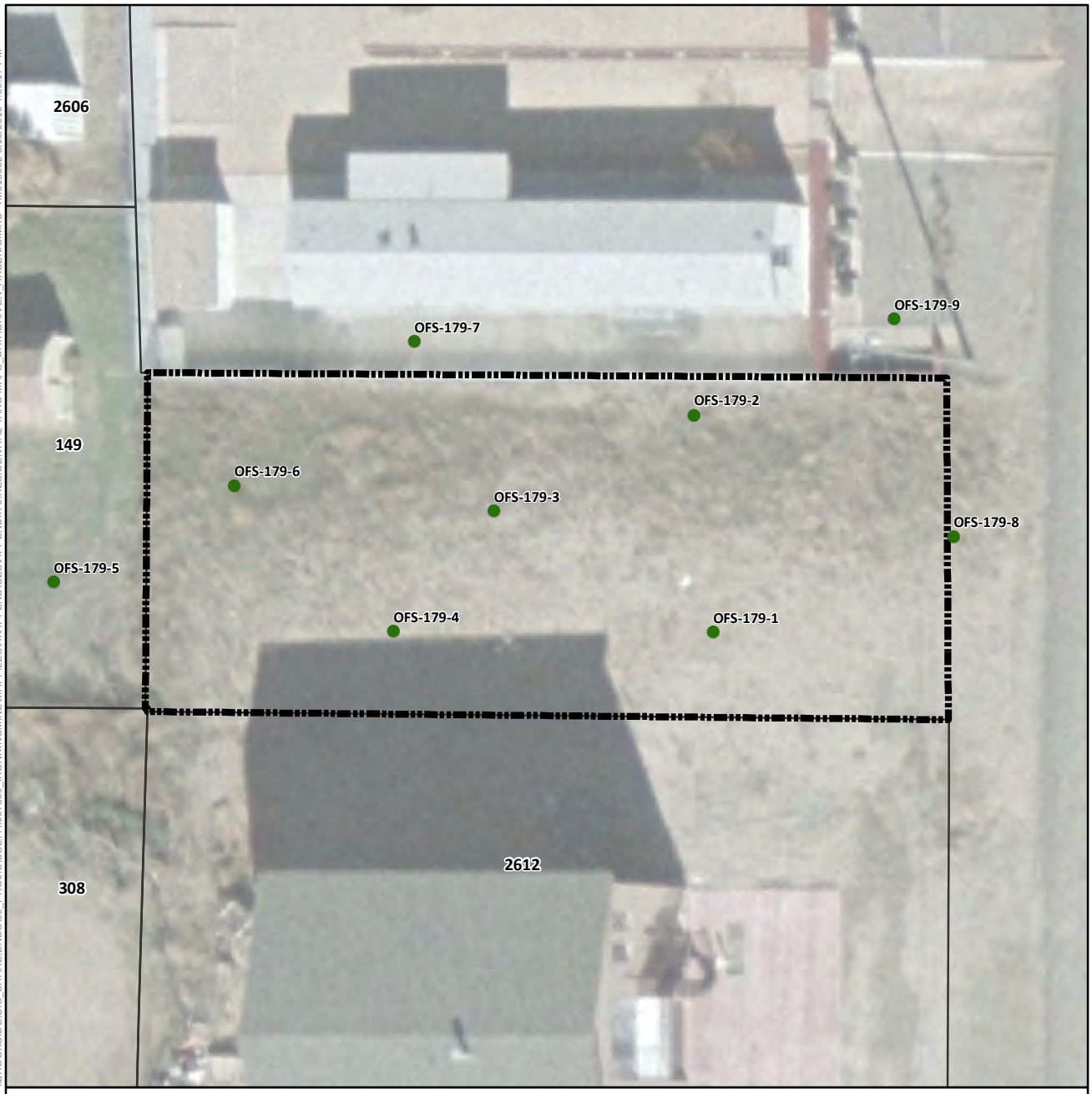


0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 178 (Page 173 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



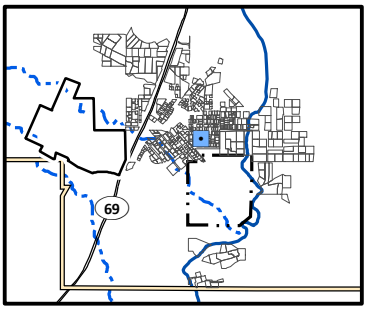
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 179 (Page 174 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



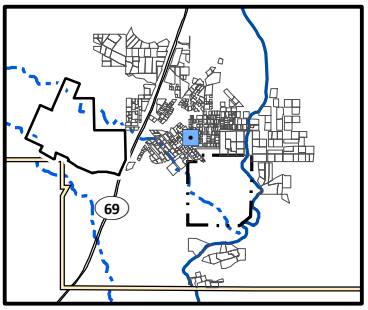
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 180 (Page 175 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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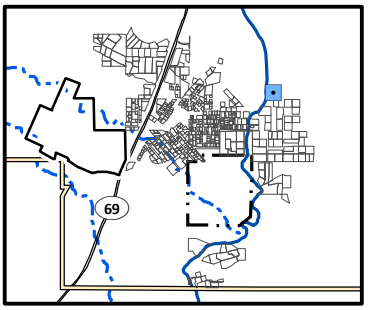


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 125
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1801 (Page 176 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

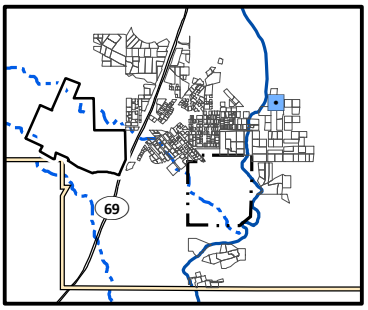


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



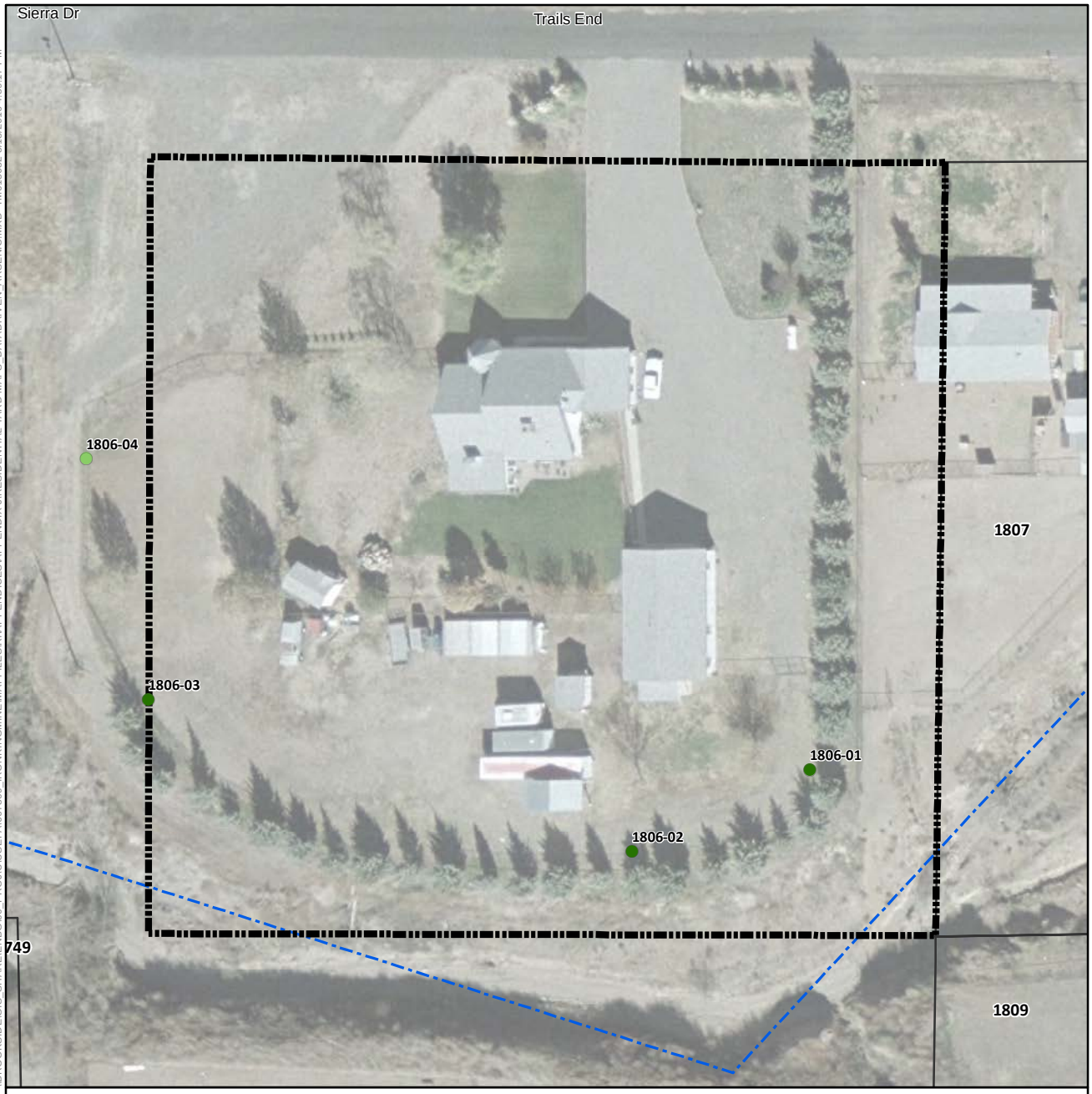
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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1804 (Page 177 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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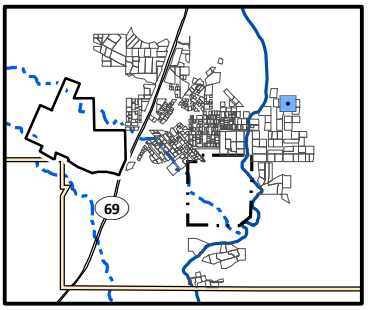
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1806 (Page 178 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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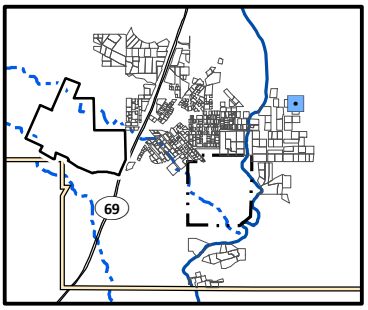


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1807 (Page 179 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



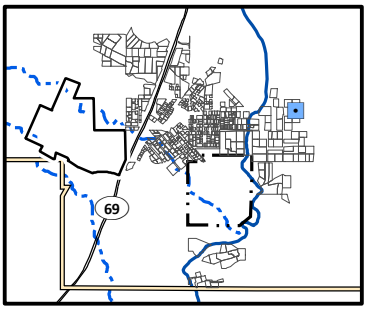
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1809 (Page 180 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



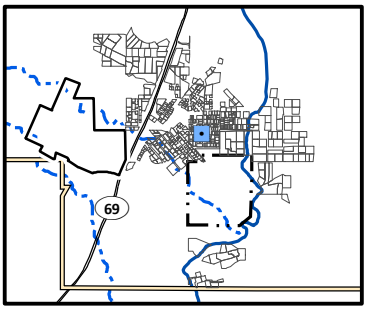
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 181 (Page 181 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



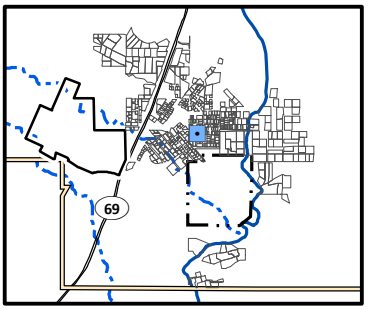
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 182 (Page 182 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



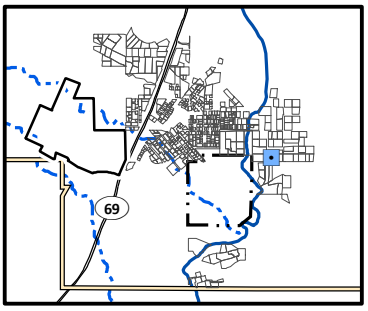
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 183 (Page 183 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



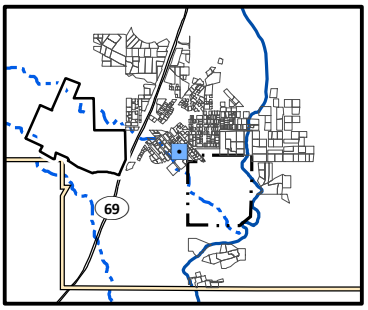
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

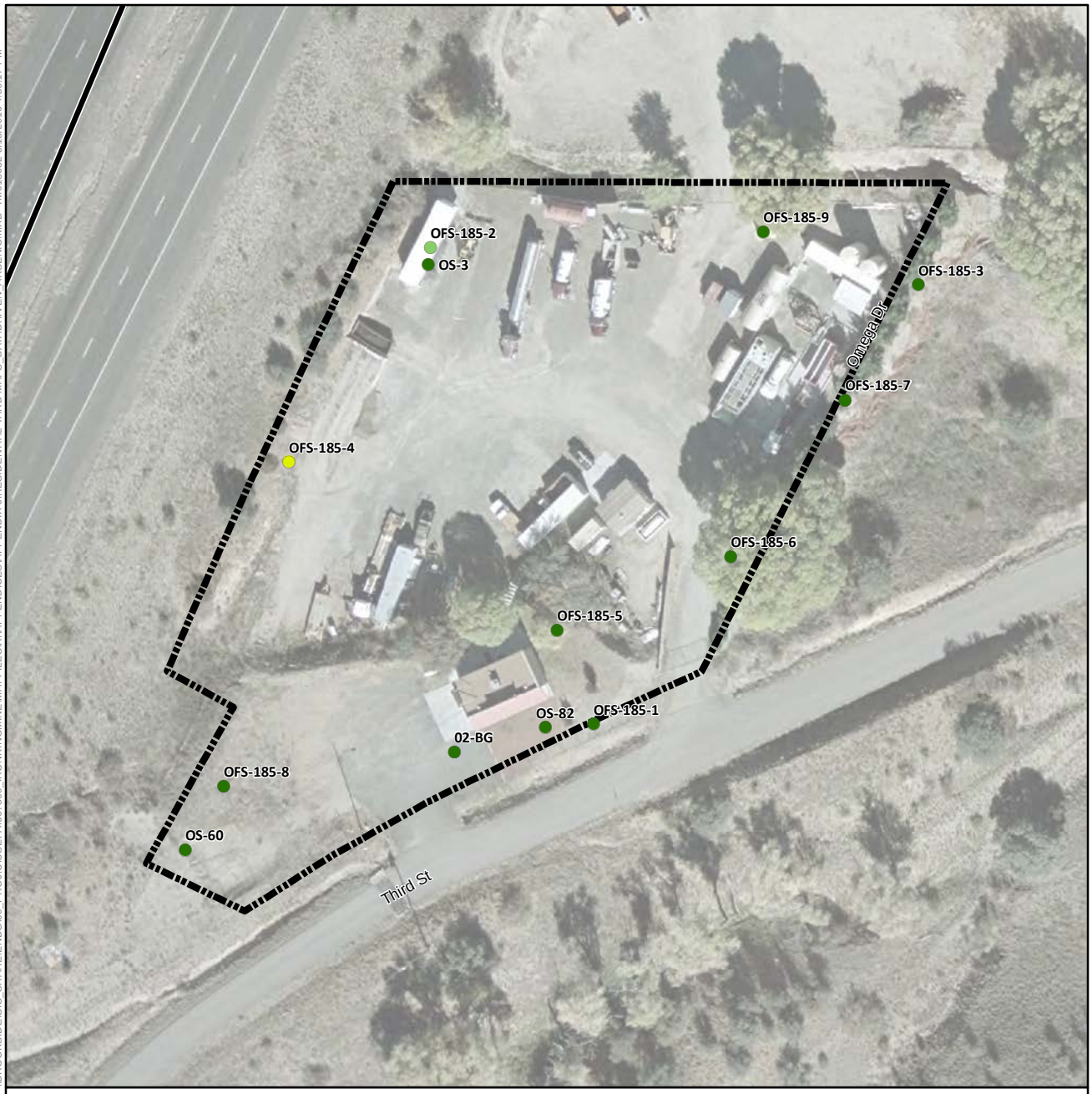


0 60
Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 184 (Page 184 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



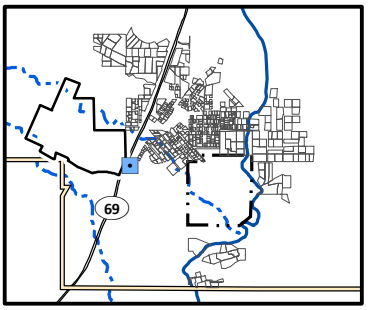
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

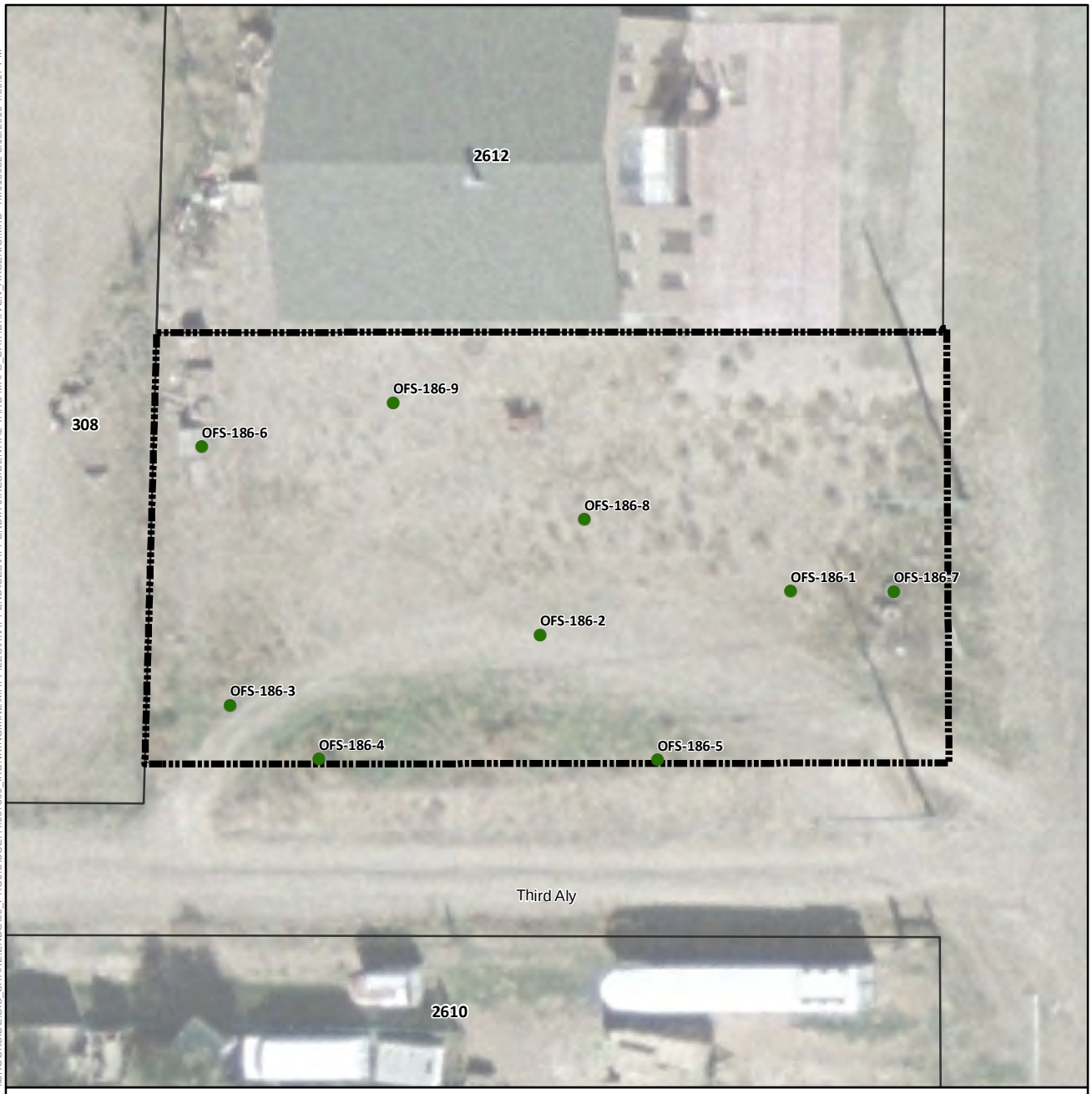
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 130
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 185 (Page 185 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



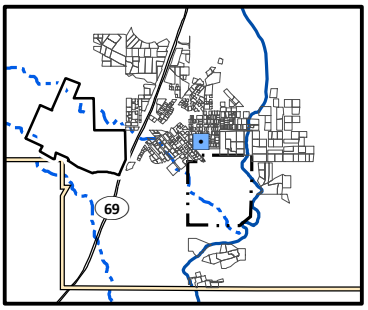
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 186 (Page 186 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



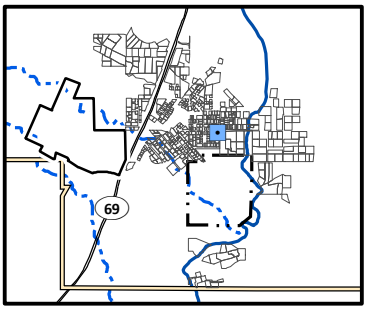
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

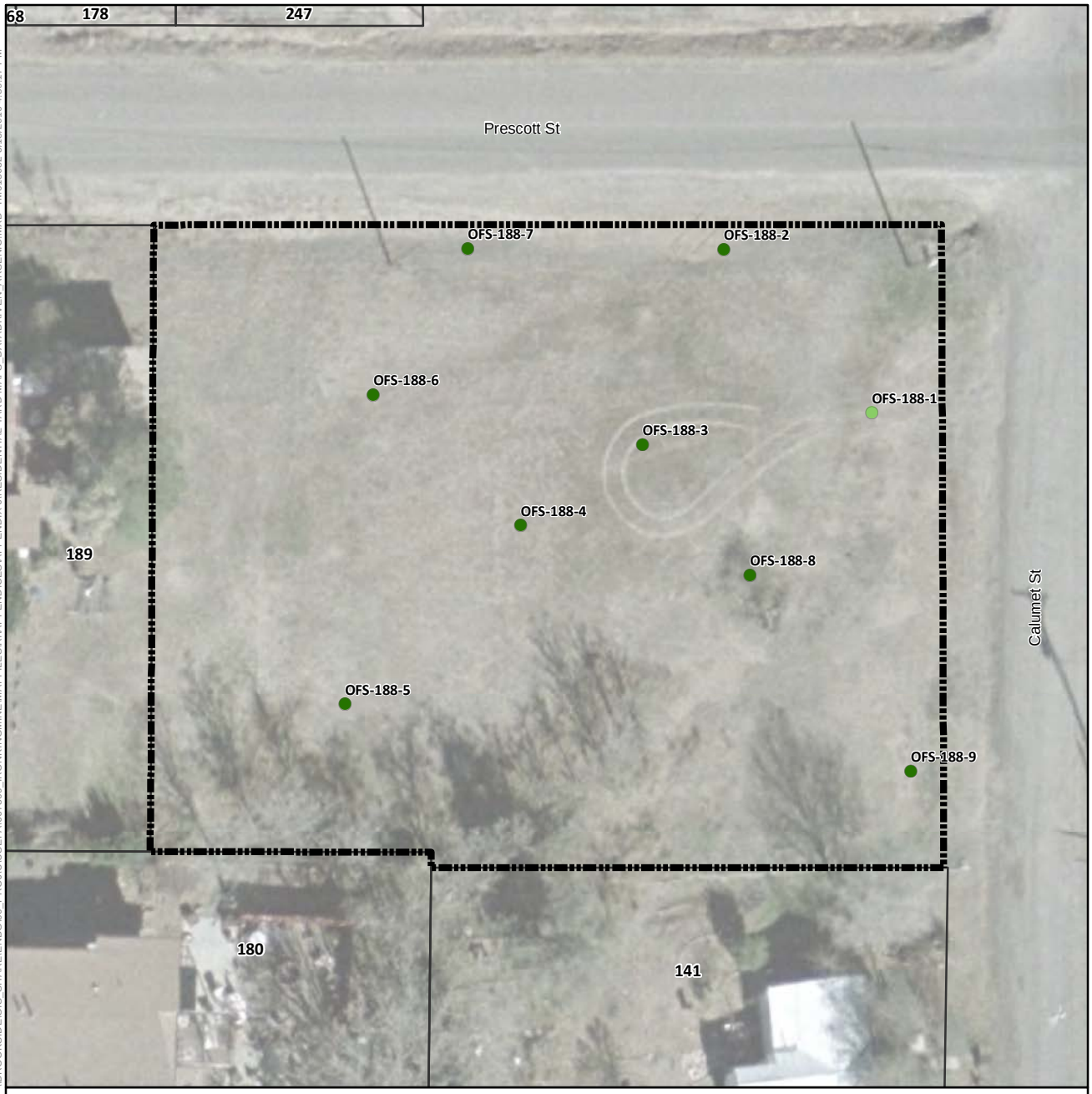


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 187 (Page 187 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



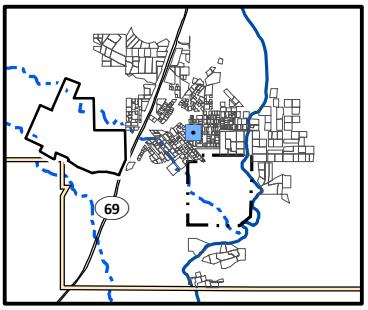
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 188 (Page 188 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



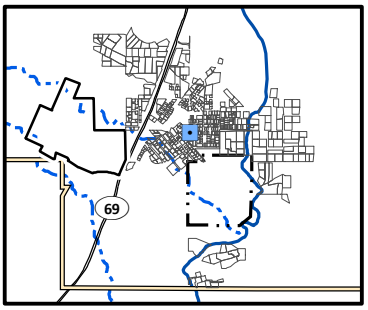
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

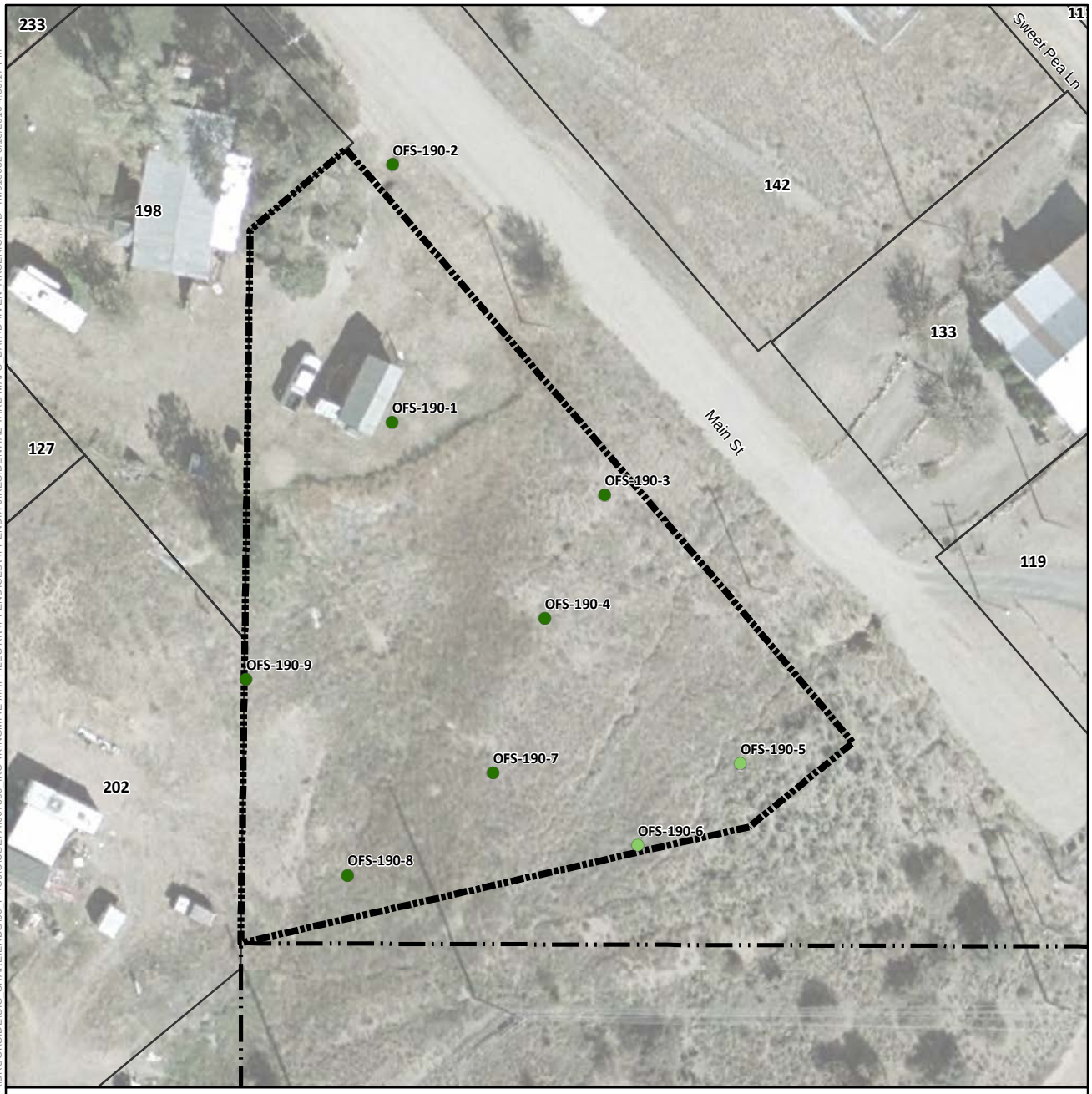


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 189 (Page 189 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



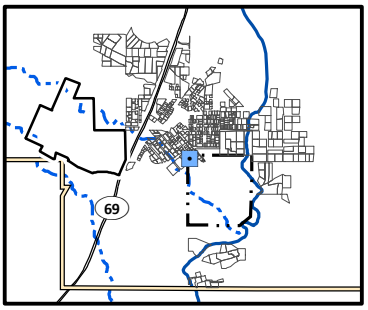
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

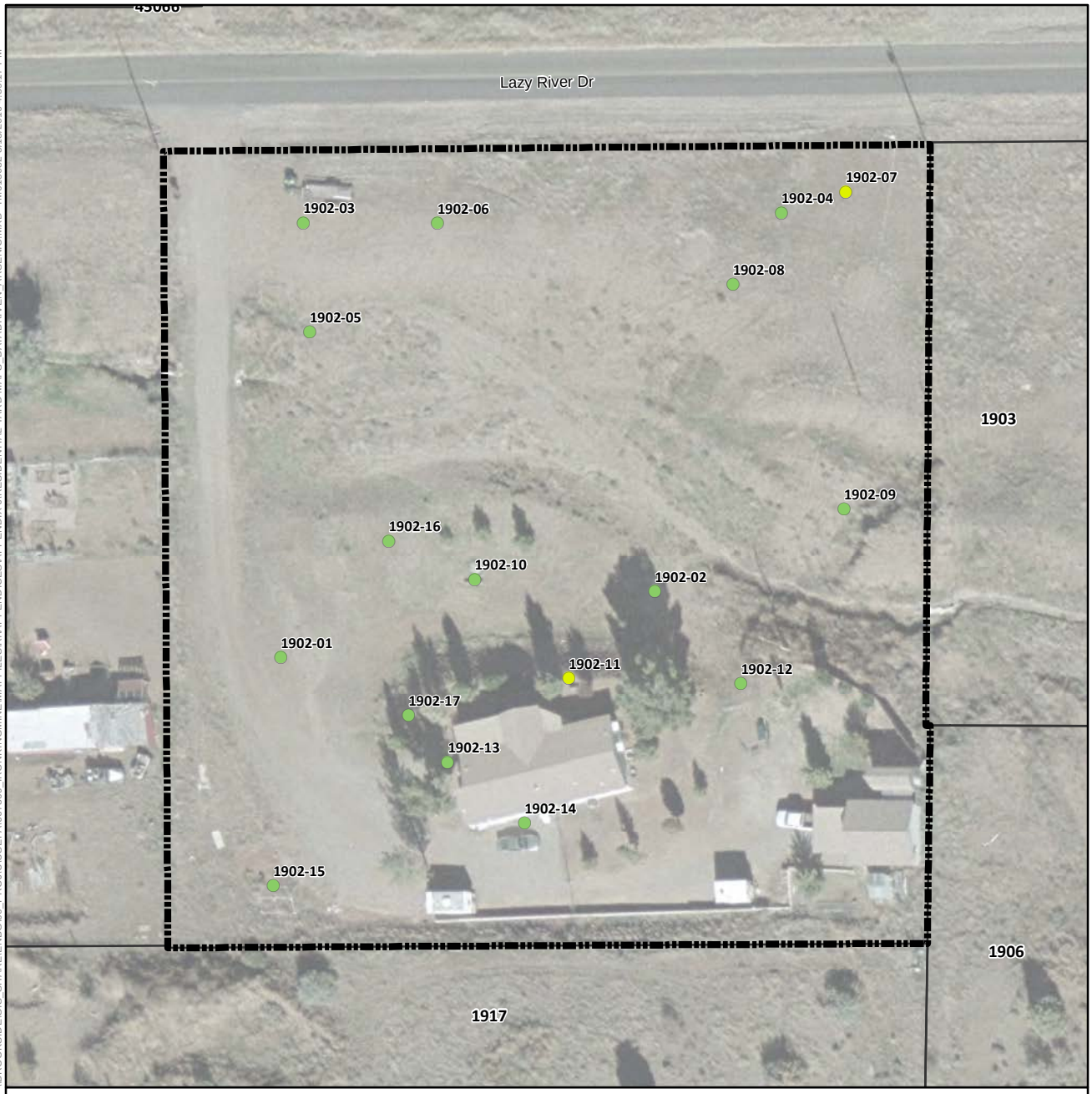
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 190 (Page 190 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



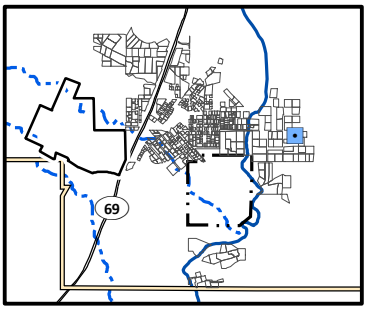
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

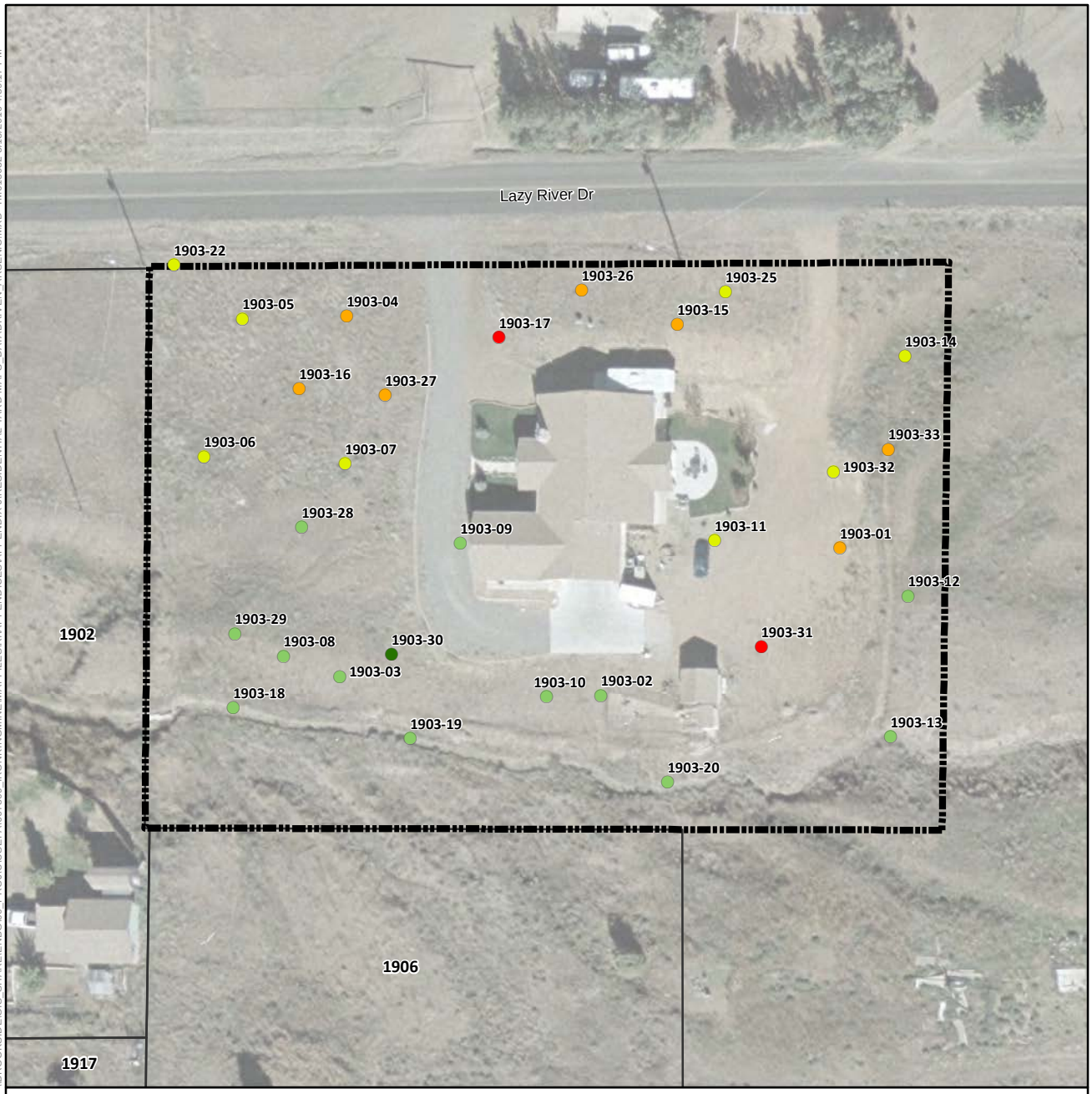


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1902 (Page 191 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



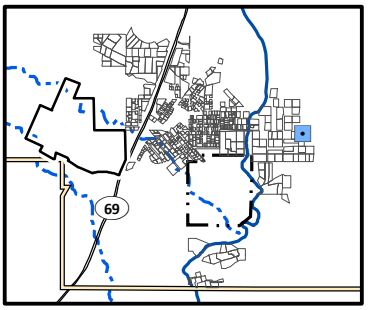
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

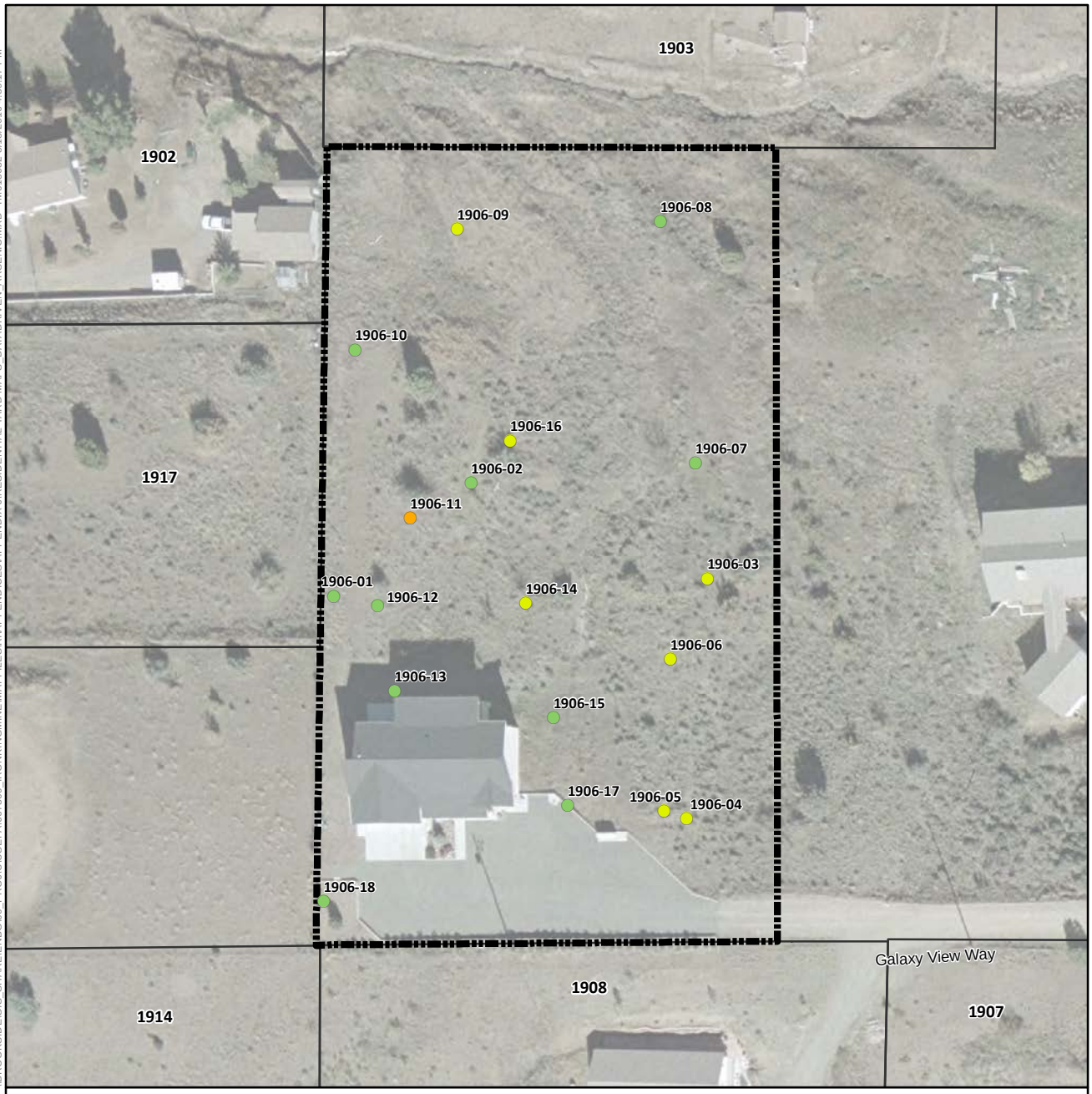


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1903 (Page 192 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



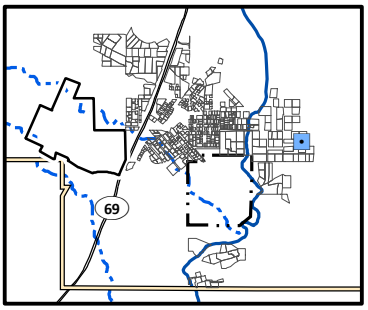
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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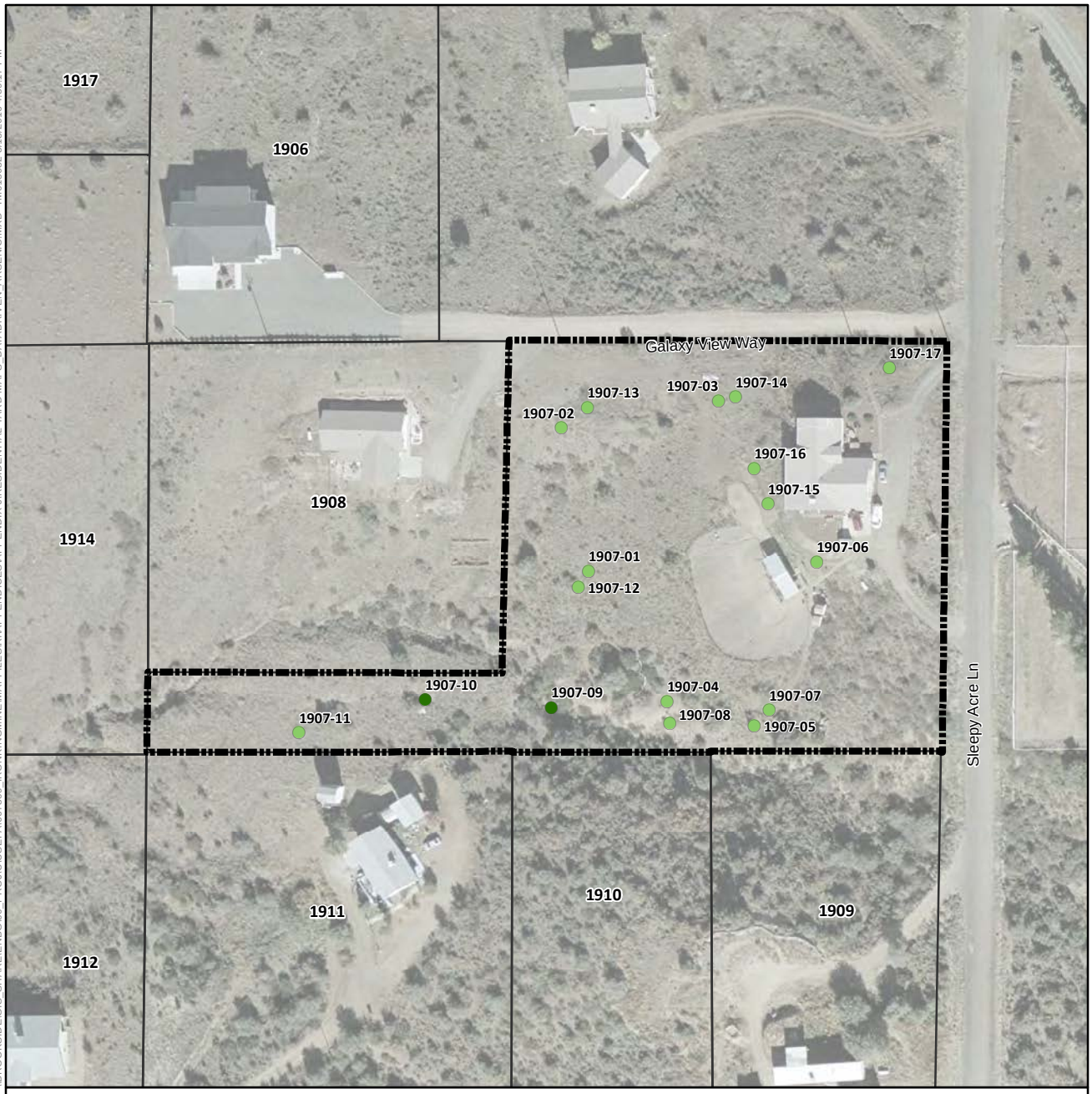


0 130
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1906 (Page 193 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



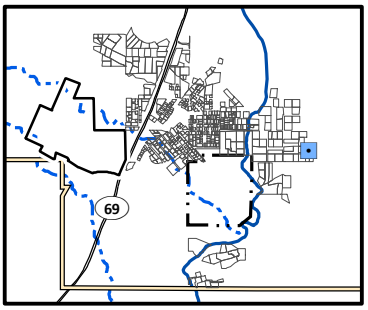
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

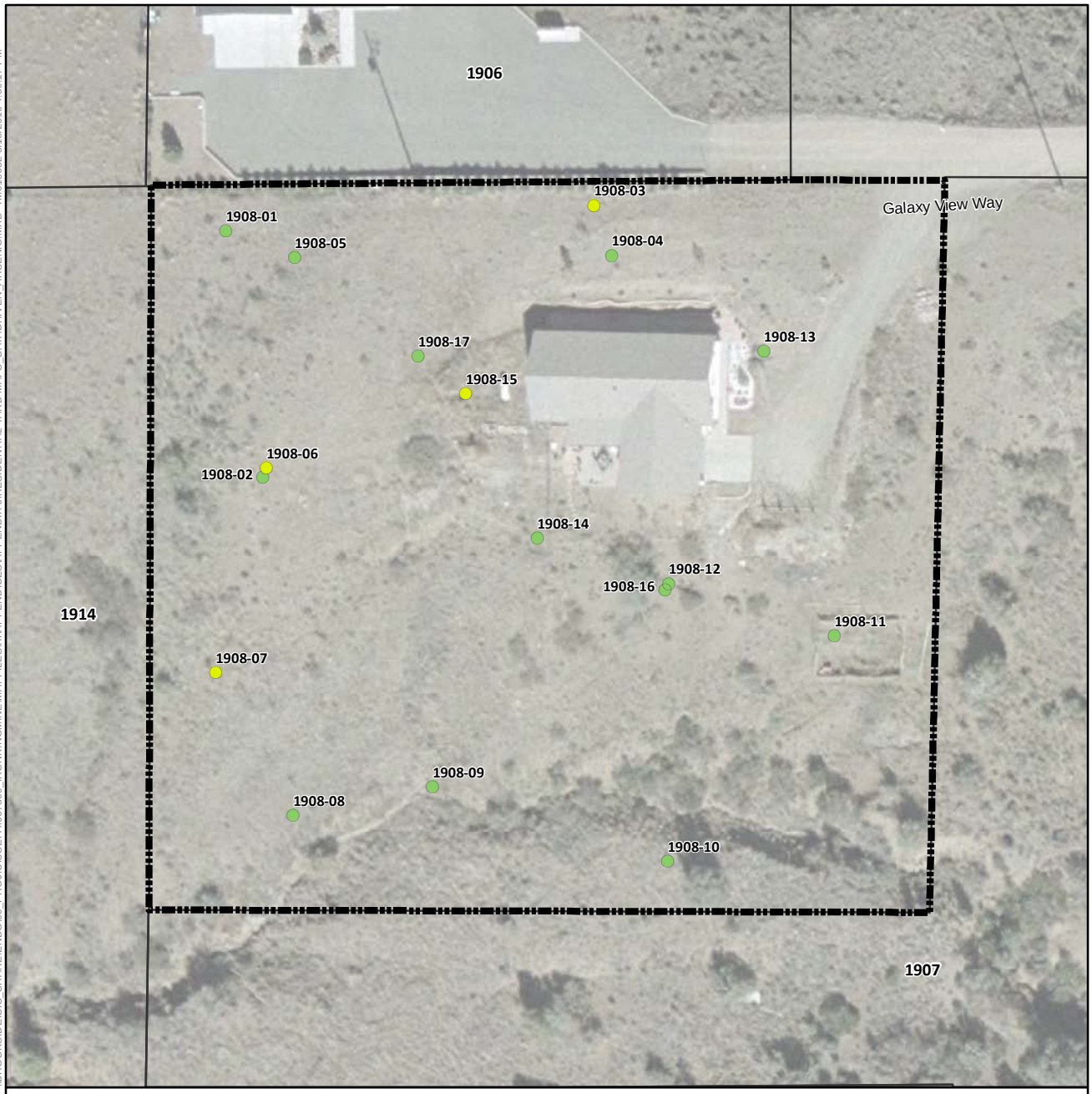
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1907 (Page 194 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



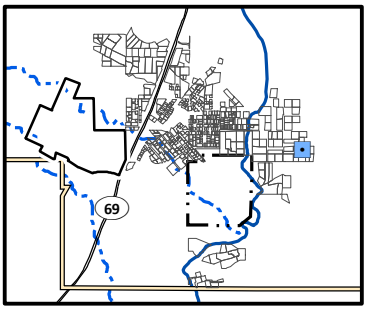
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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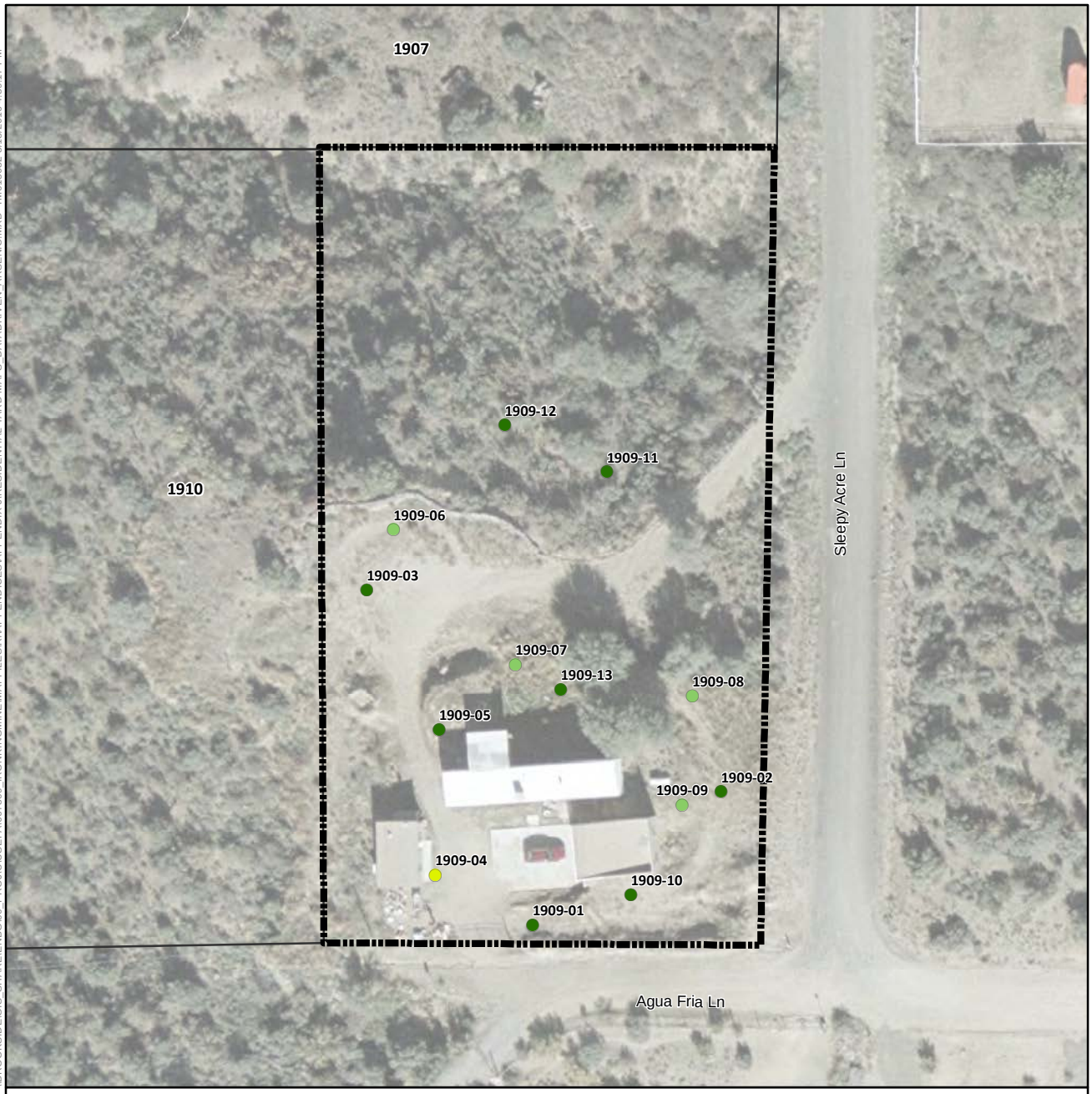


0 90
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1908 (Page 195 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



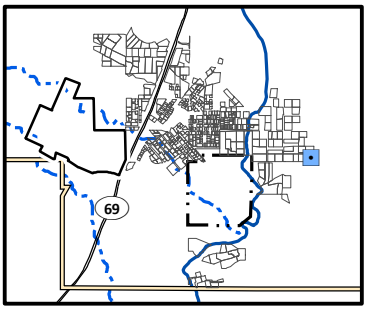
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

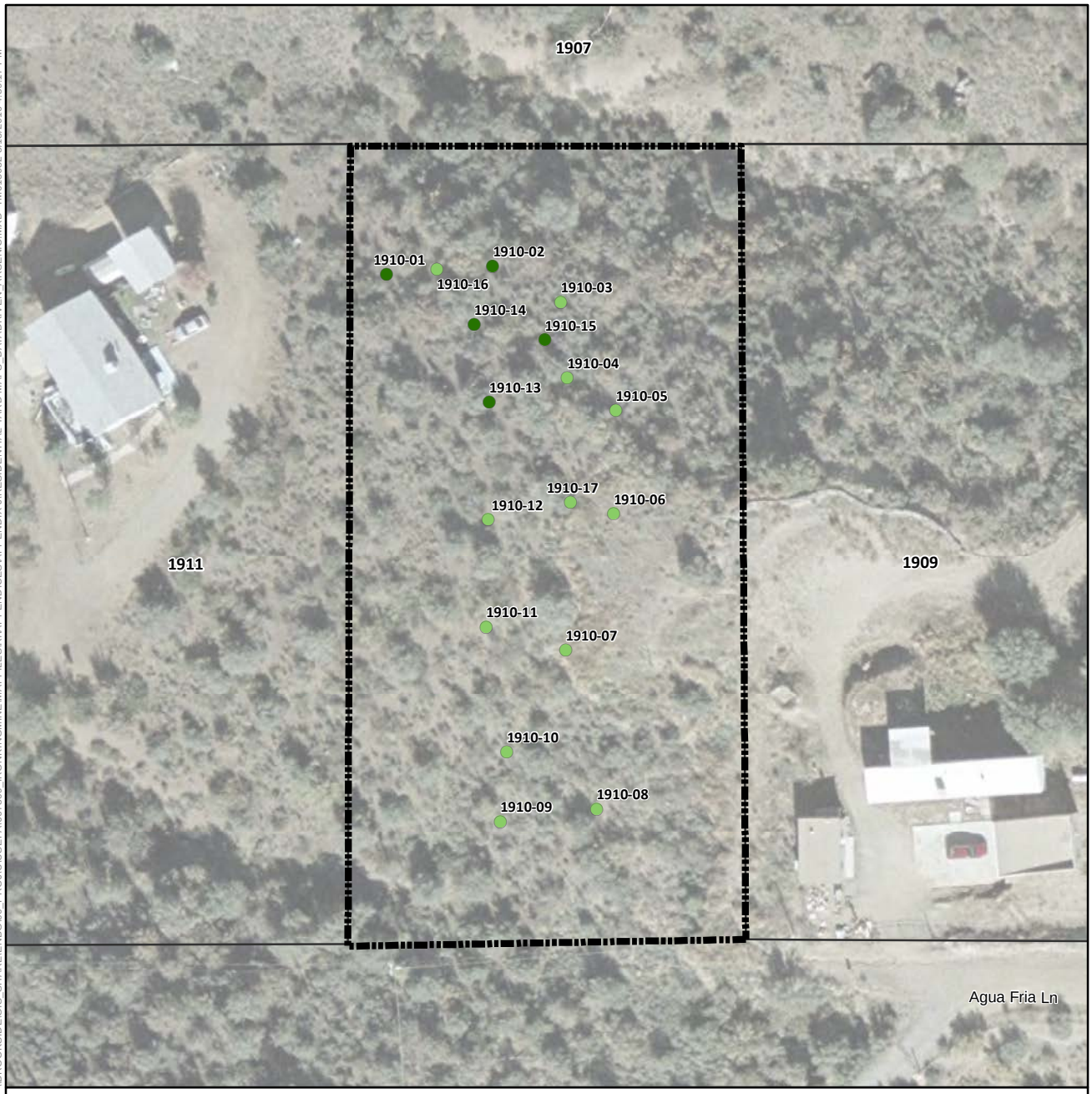
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1909 (Page 196 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



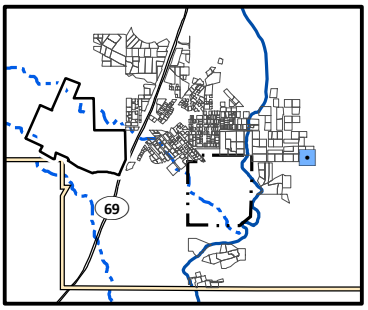
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

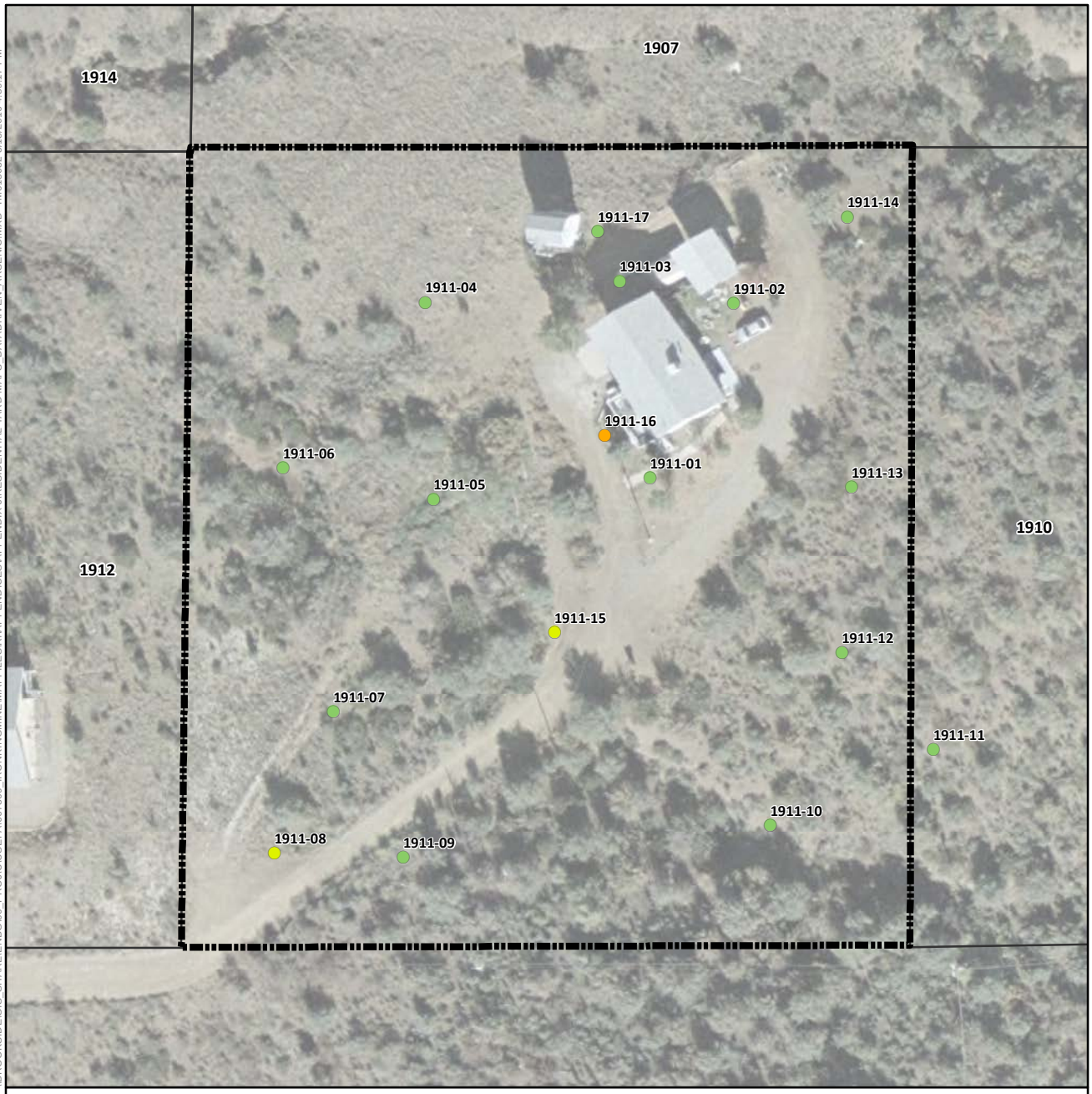
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1910 (Page 197 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



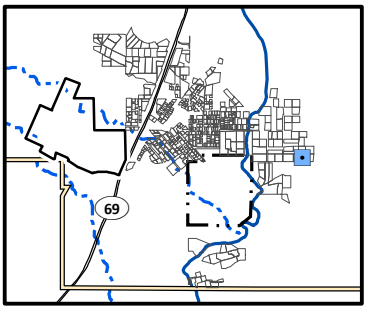
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1911 (Page 198 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

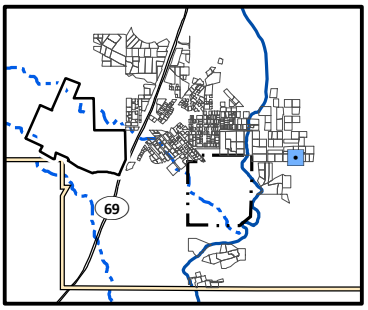


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



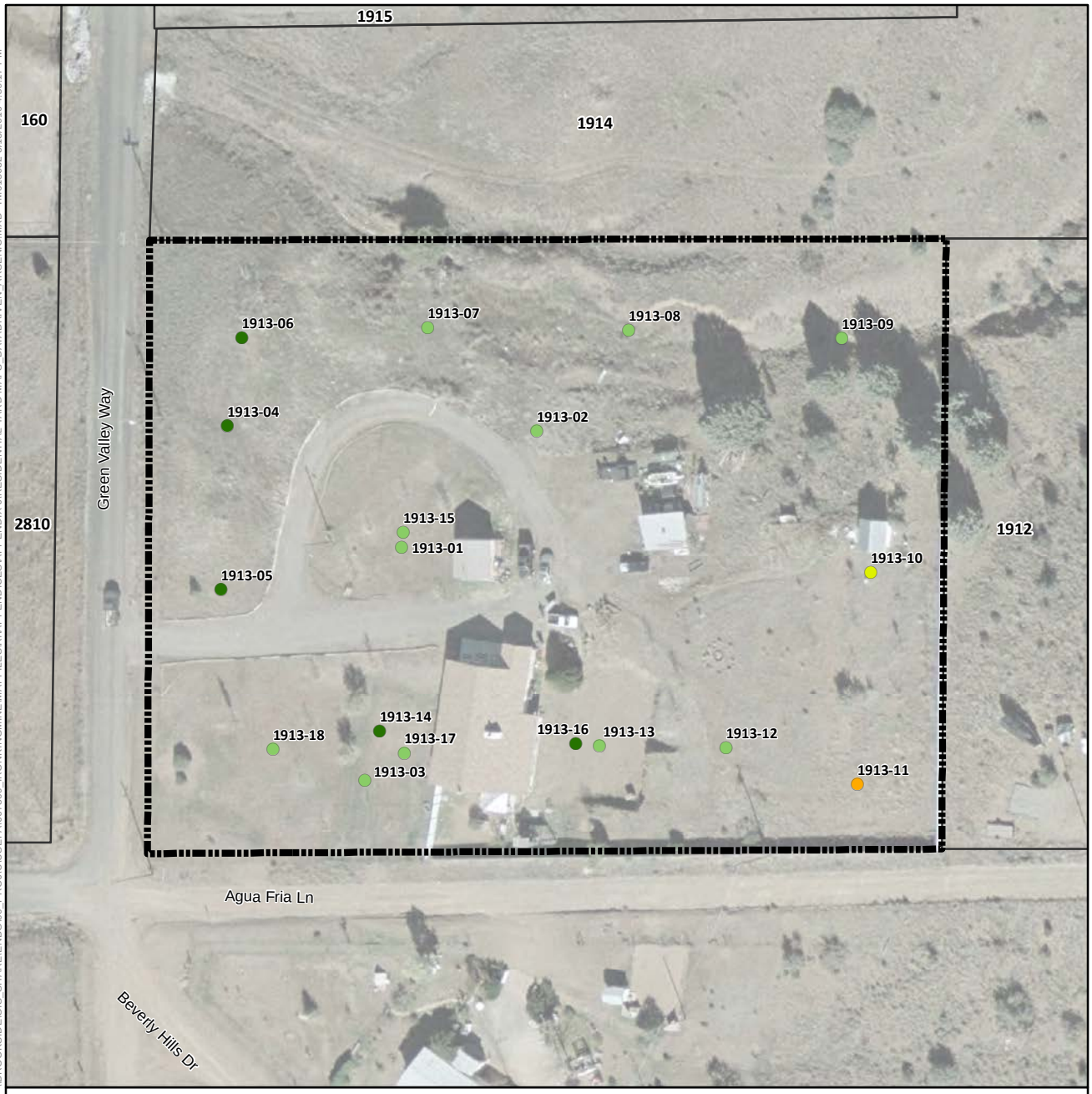
0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1912 (Page 199 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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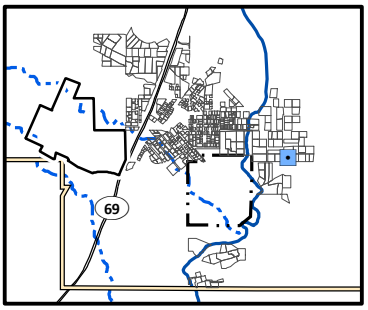
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

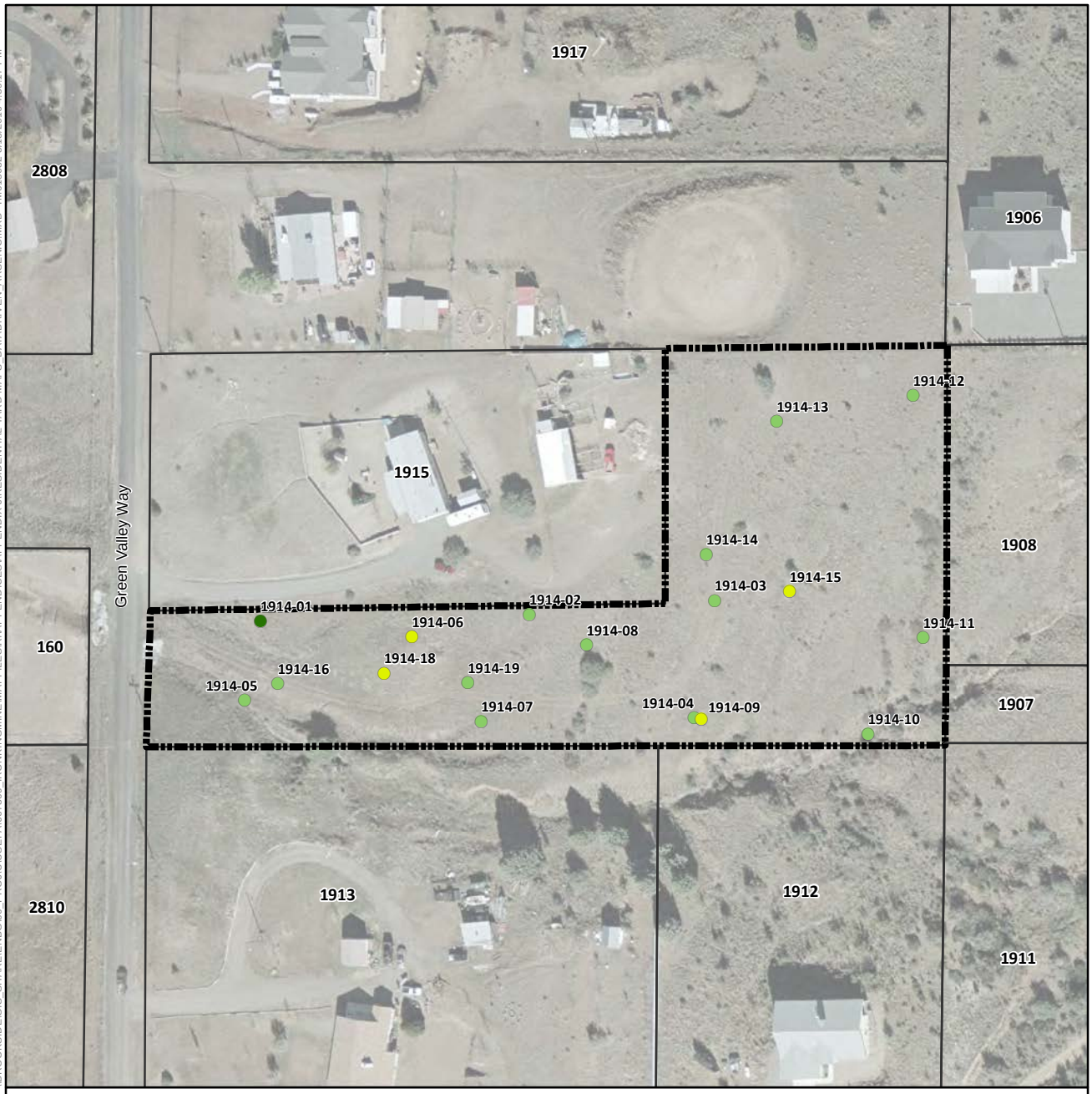


0 130
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 1913 (Page 200 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



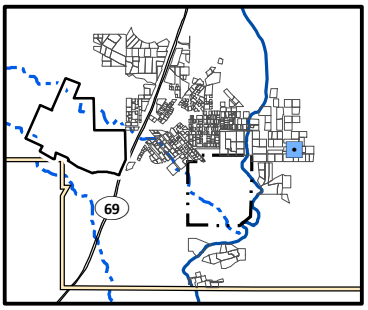
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 210
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1914 (Page 201 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



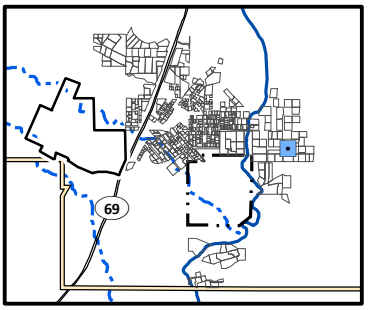
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 130
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1915 (Page 202 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

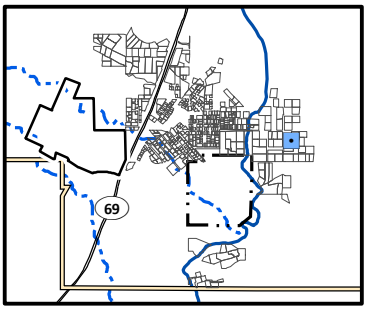


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

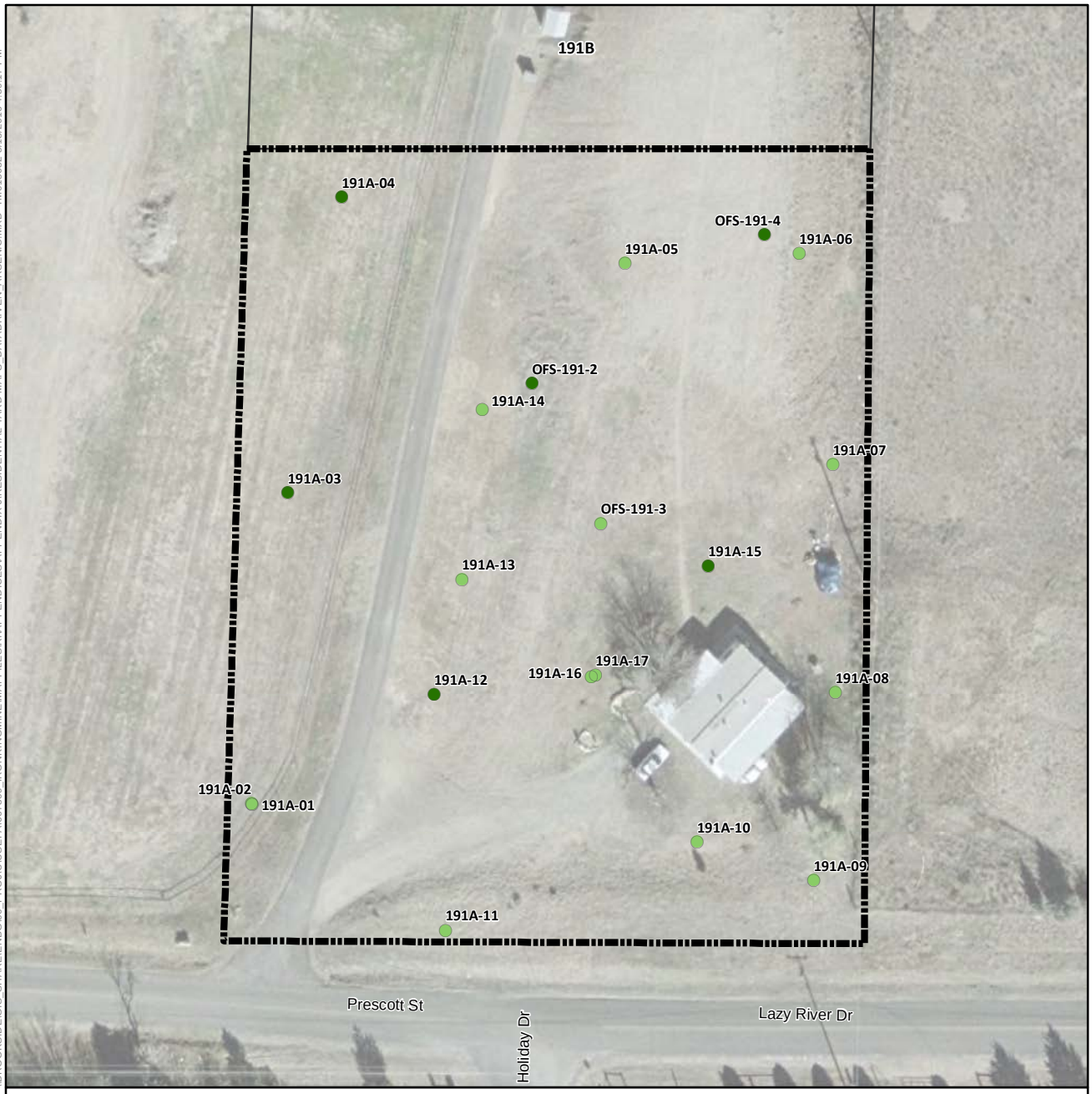


0 210
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 1917 (Page 203 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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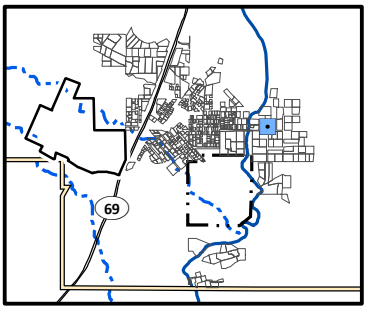
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 191A (Page 204 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



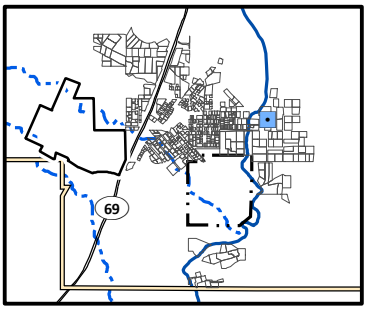
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 191B (Page 205 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



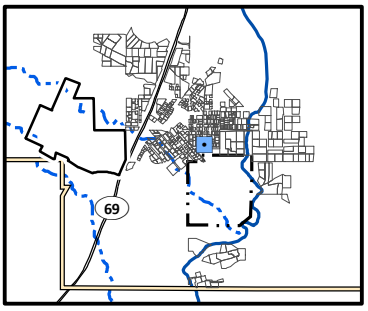
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 192 (Page 206 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



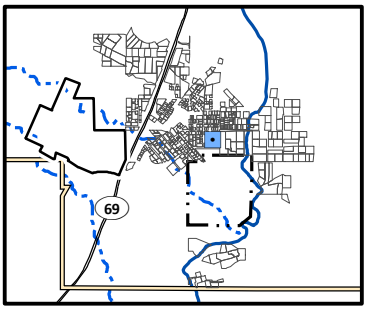
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
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- >194 to 400
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
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- Intermittent Drainage
- Yard Boundary
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 193 (Page 207 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



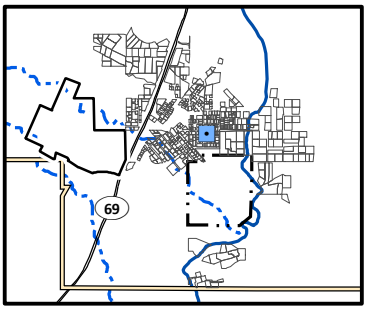
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 194 (Page 208 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



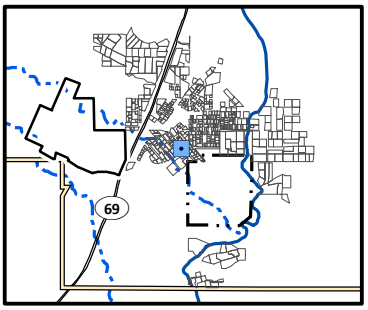
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 195 (Page 209 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



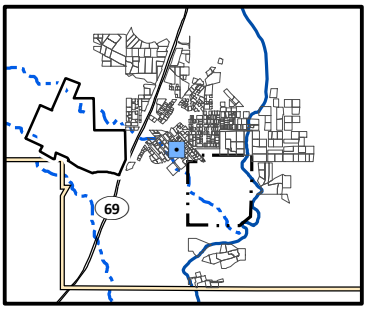
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

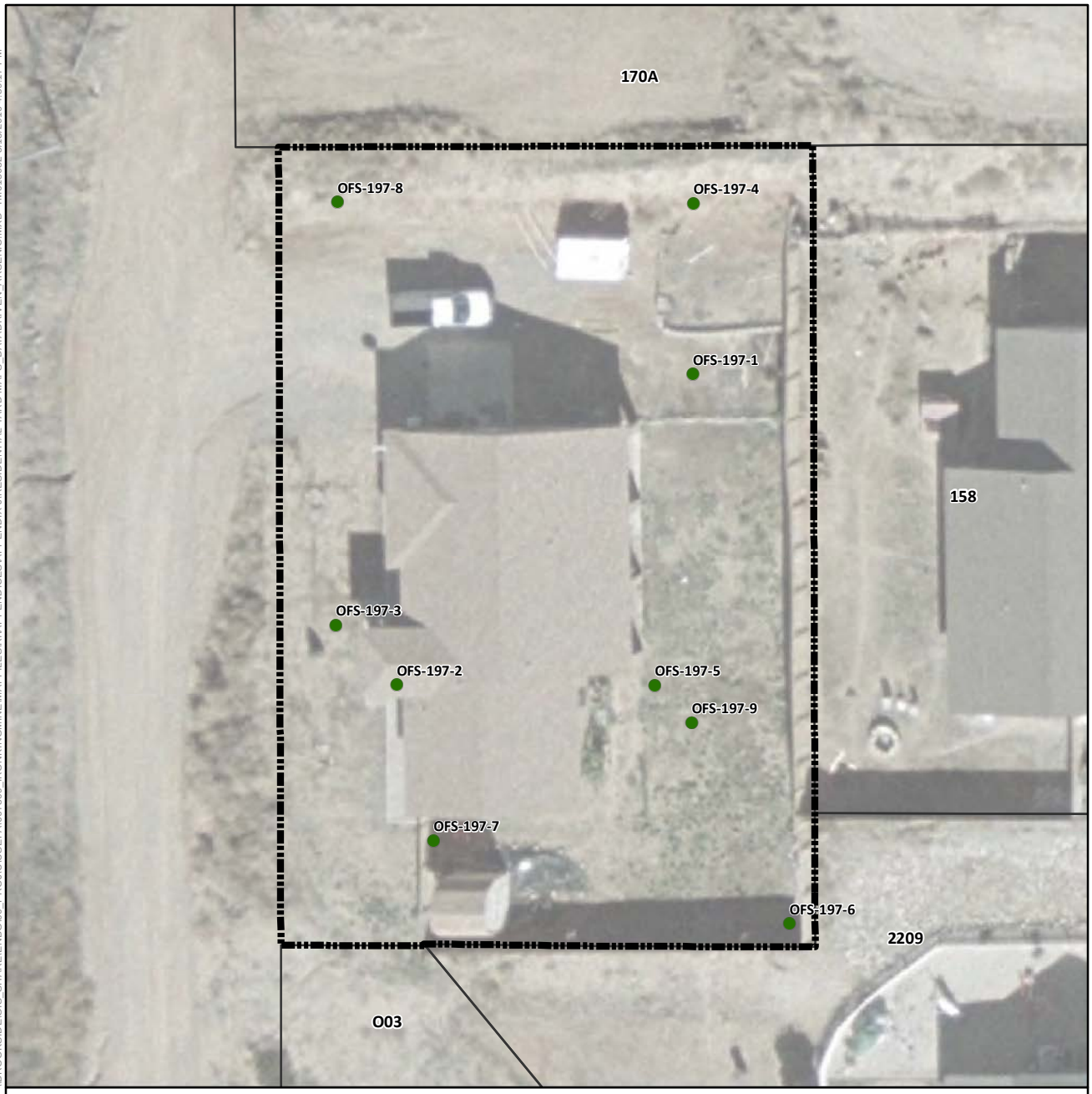


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 196 (Page 210 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



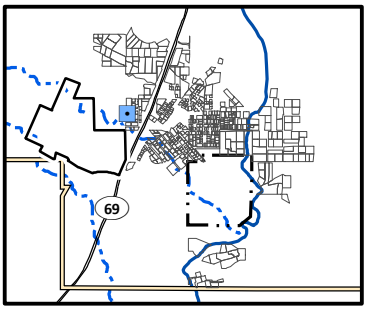
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
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- >194 to 400
- >400 to 800
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- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
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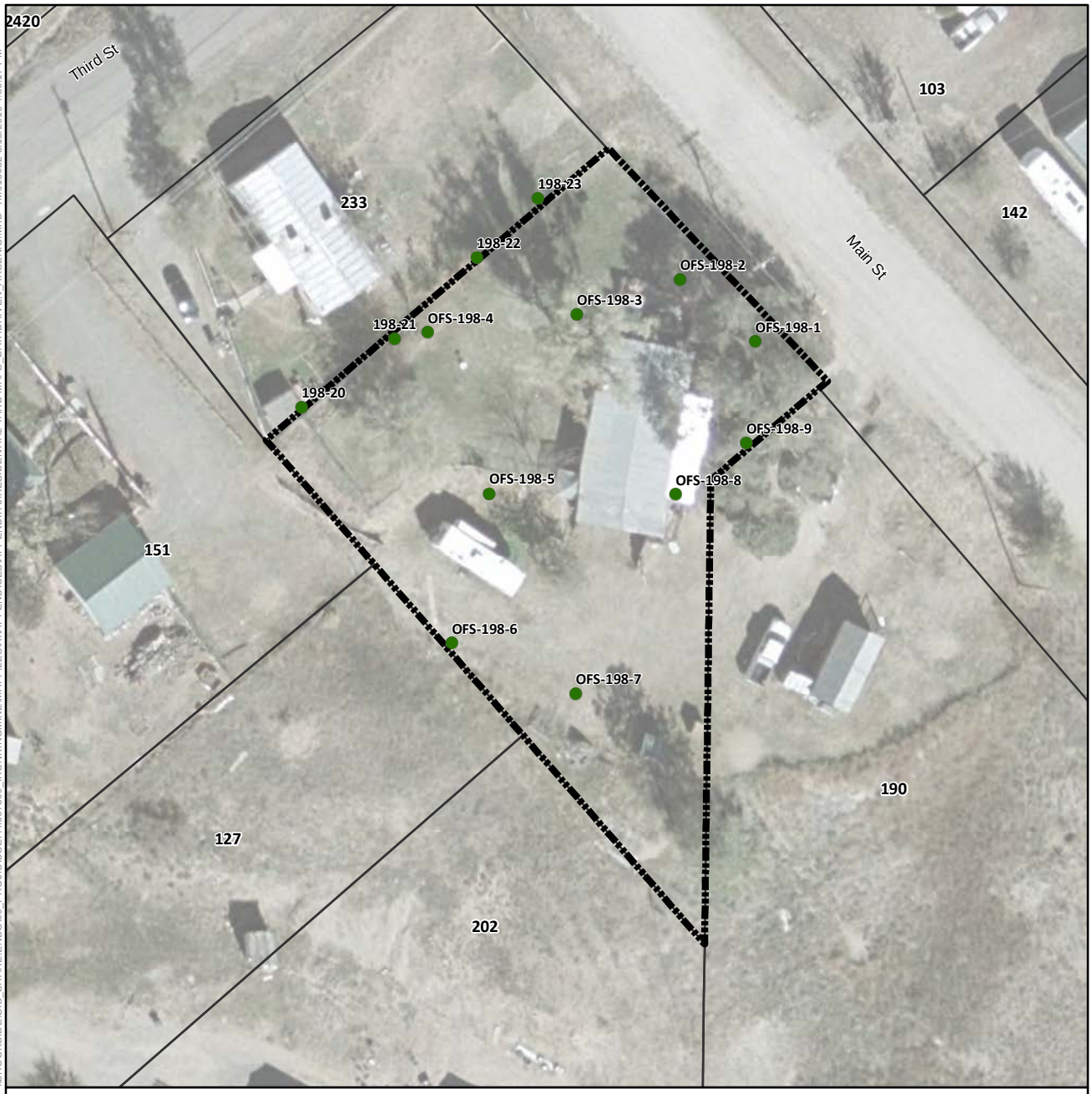


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 197 (Page 211 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



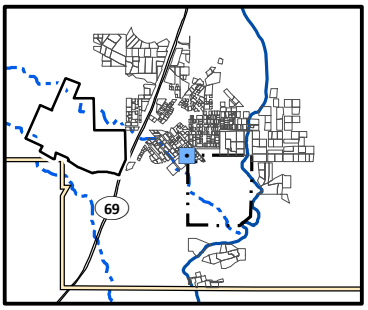
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

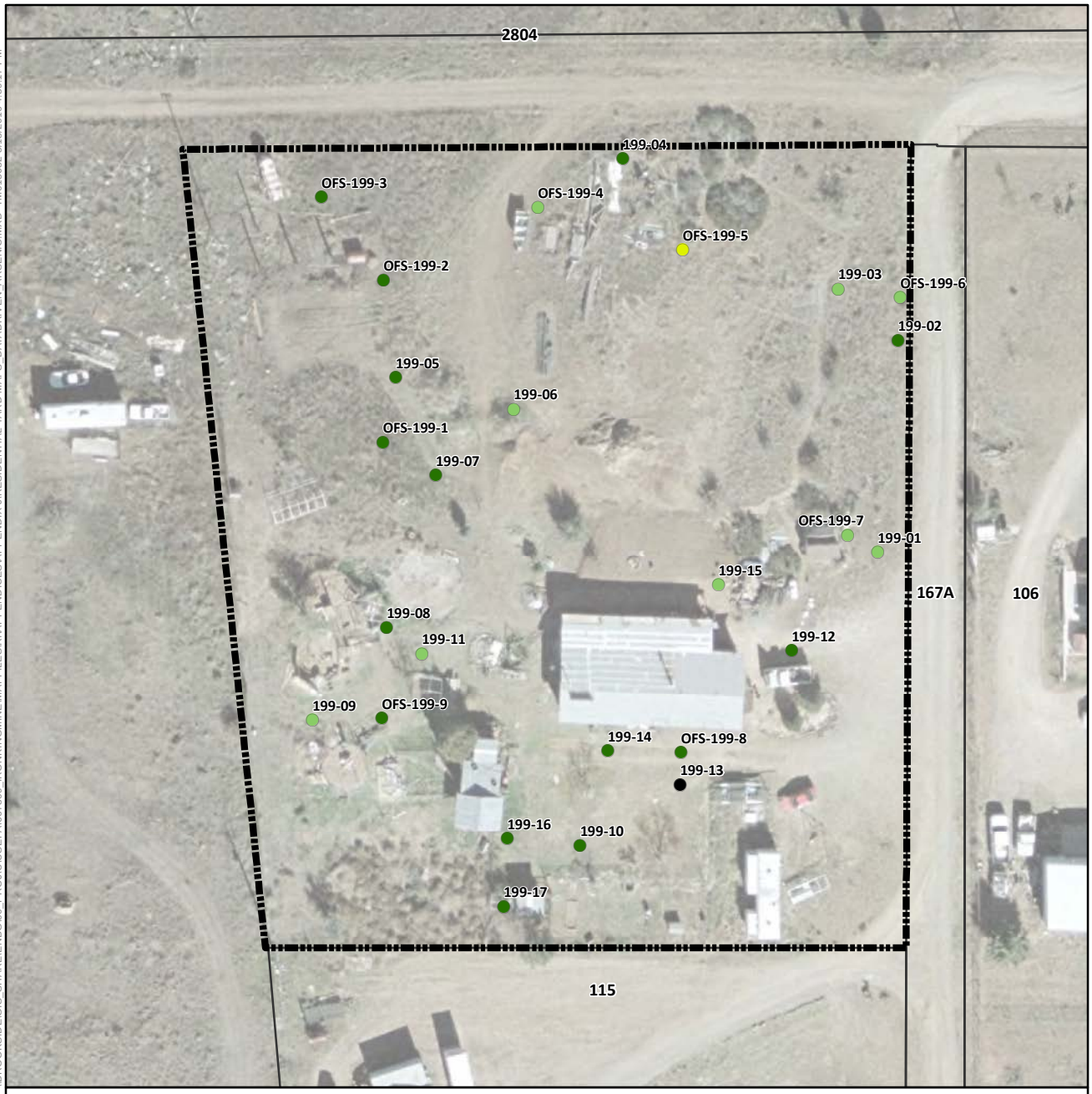
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 198 (Page 212 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



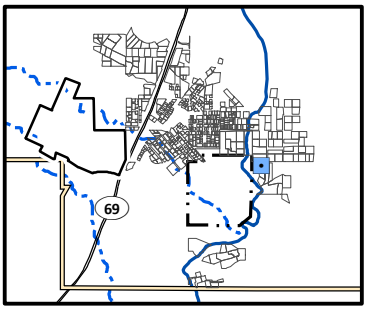
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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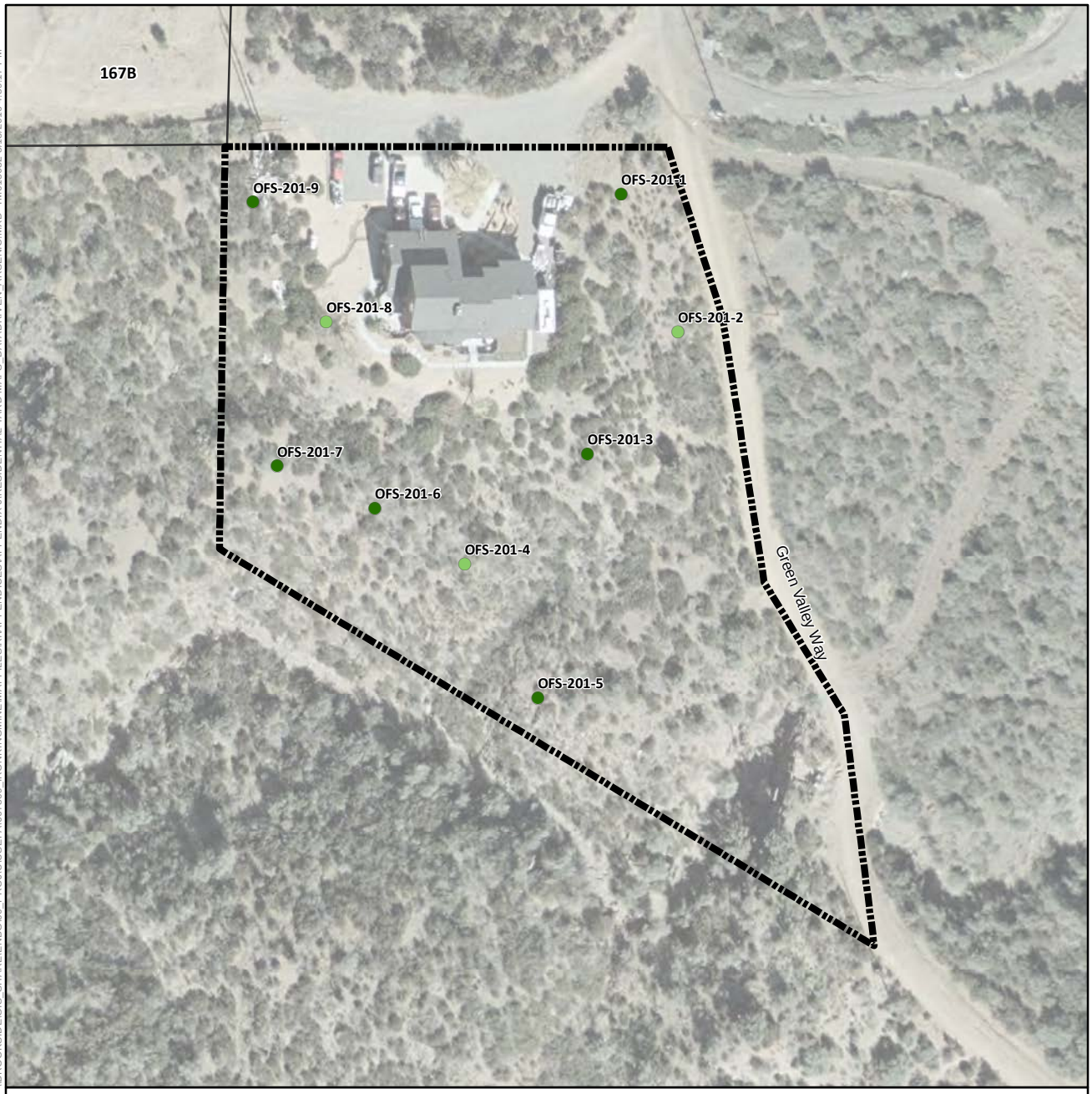


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 199 (Page 213 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



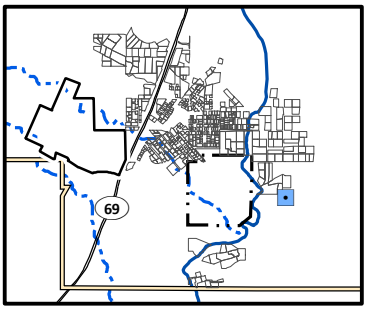
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
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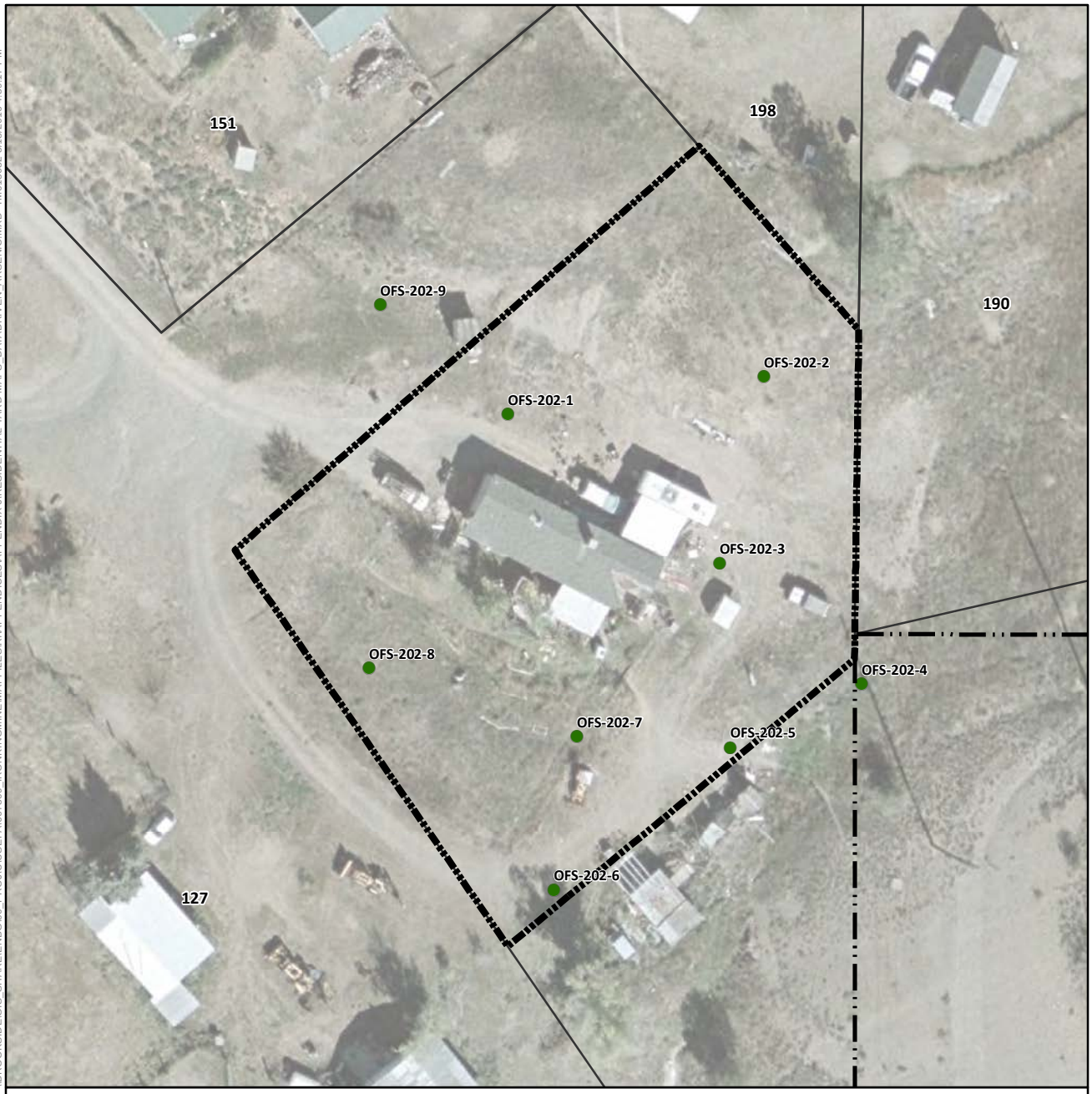


0 120
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 201 (Page 214 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



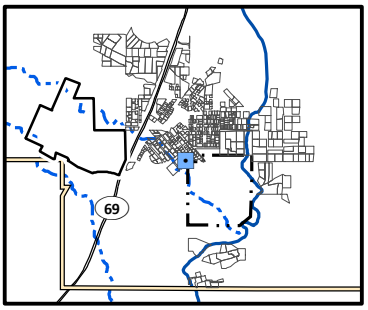
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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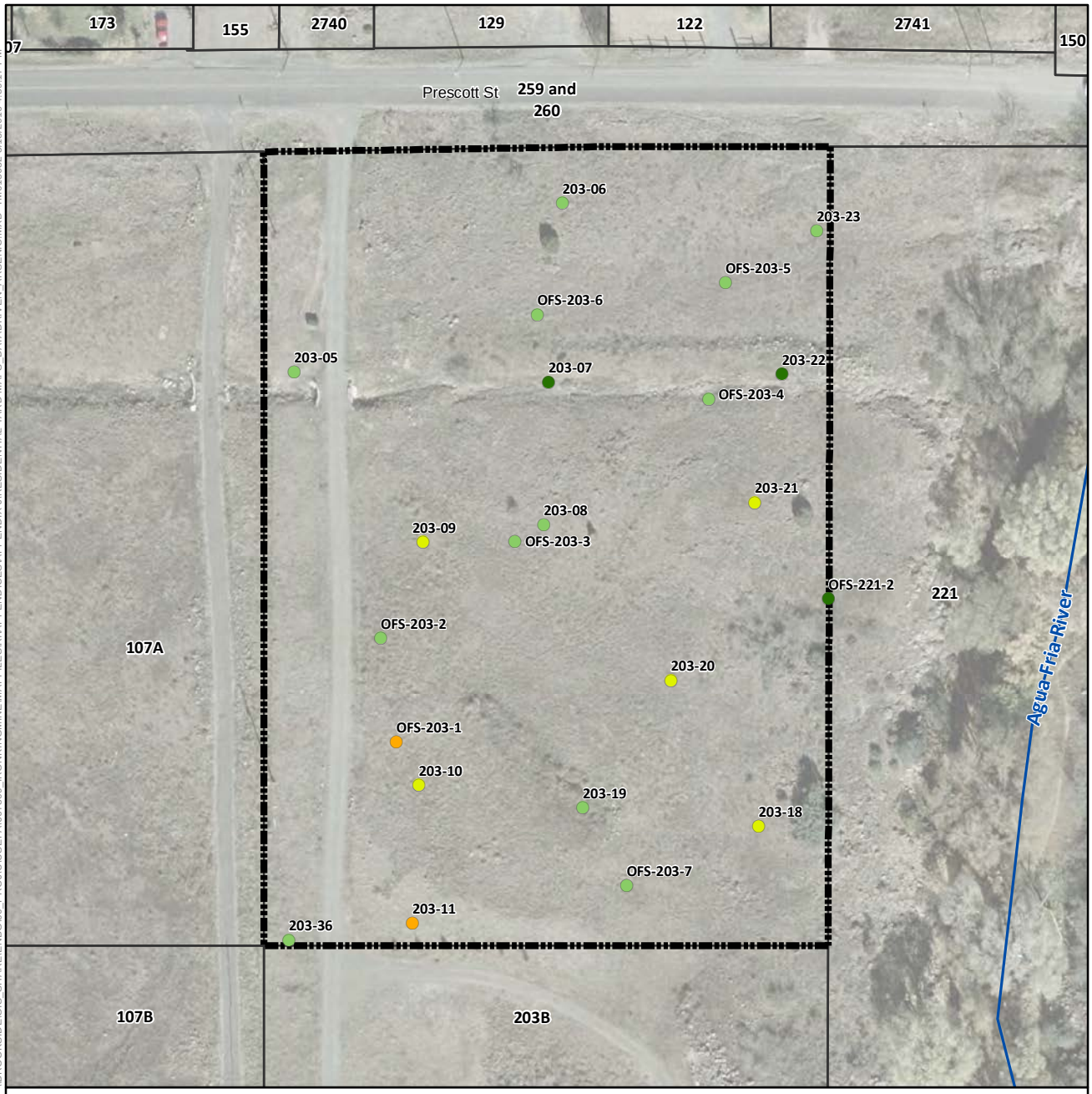


0 90
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 202 (Page 215 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



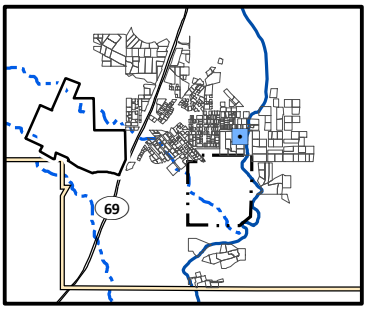
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
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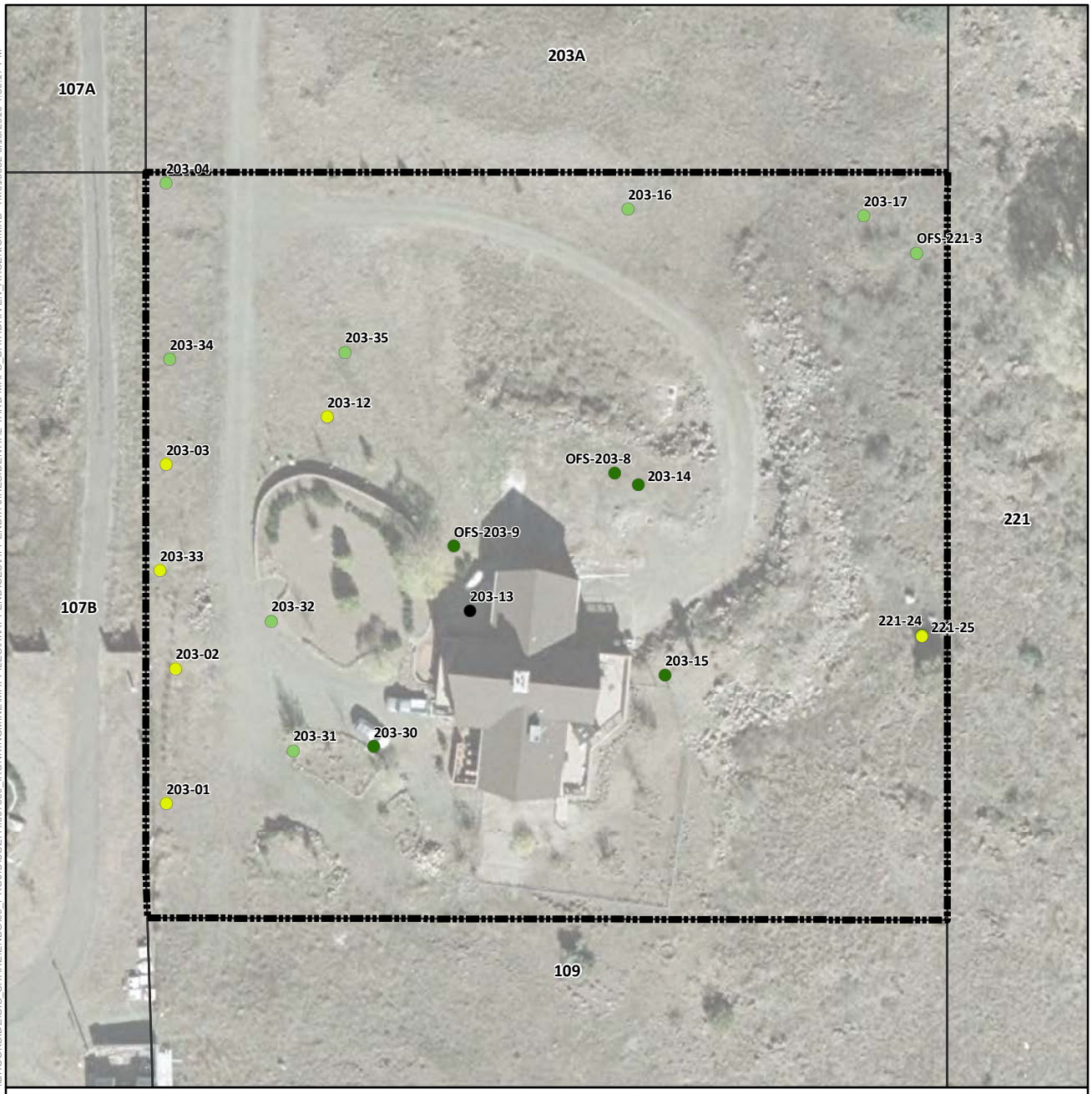
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 203A (Page 216 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



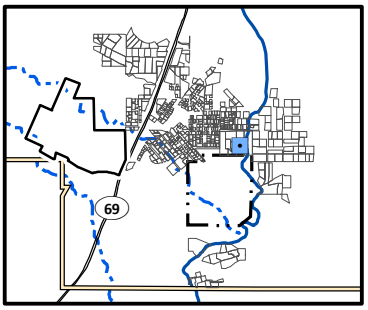
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
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- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
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- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
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- Intermittent Drainage
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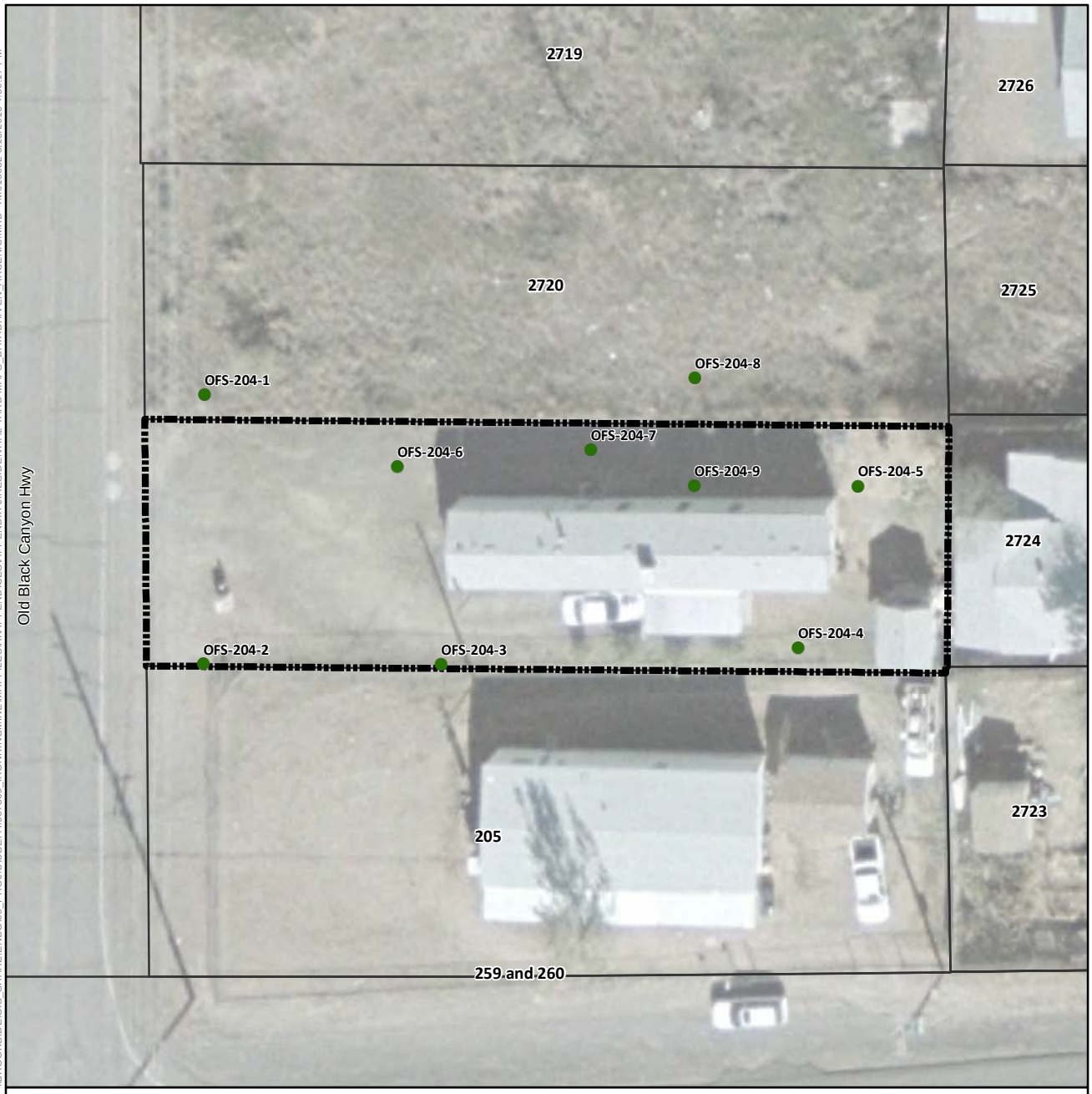


0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 203B (Page 217 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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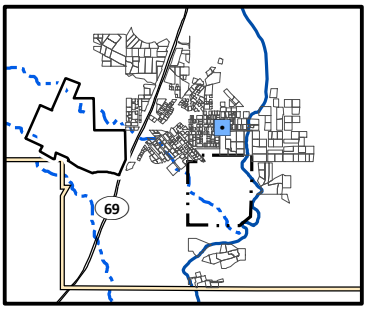


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
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- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
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- Former Humboldt Smelter Property
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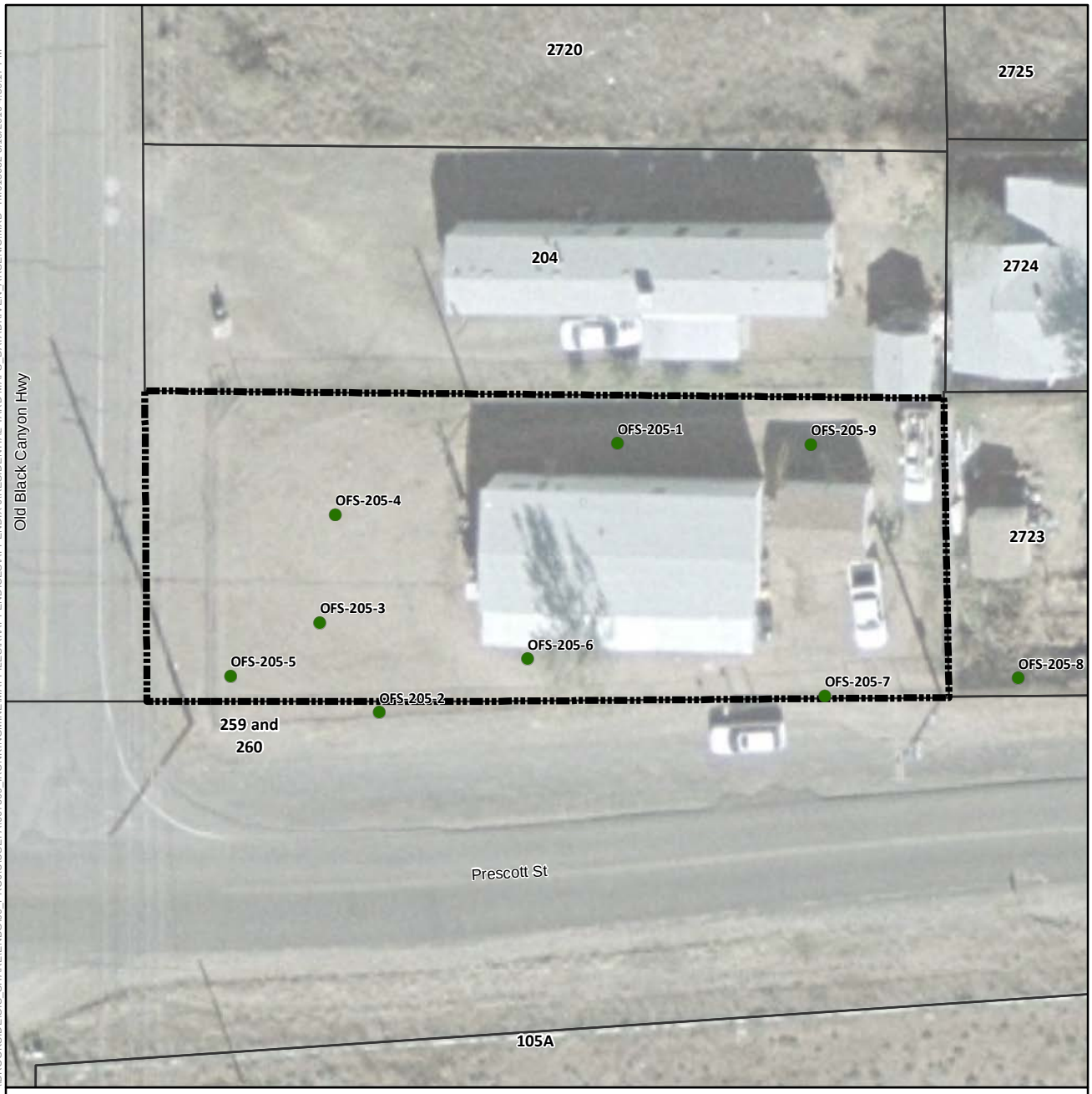


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 204 (Page 218 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



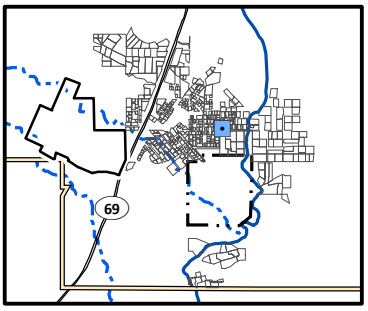
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Arsenic Concentration in Surface Soil (mg/kg)

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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

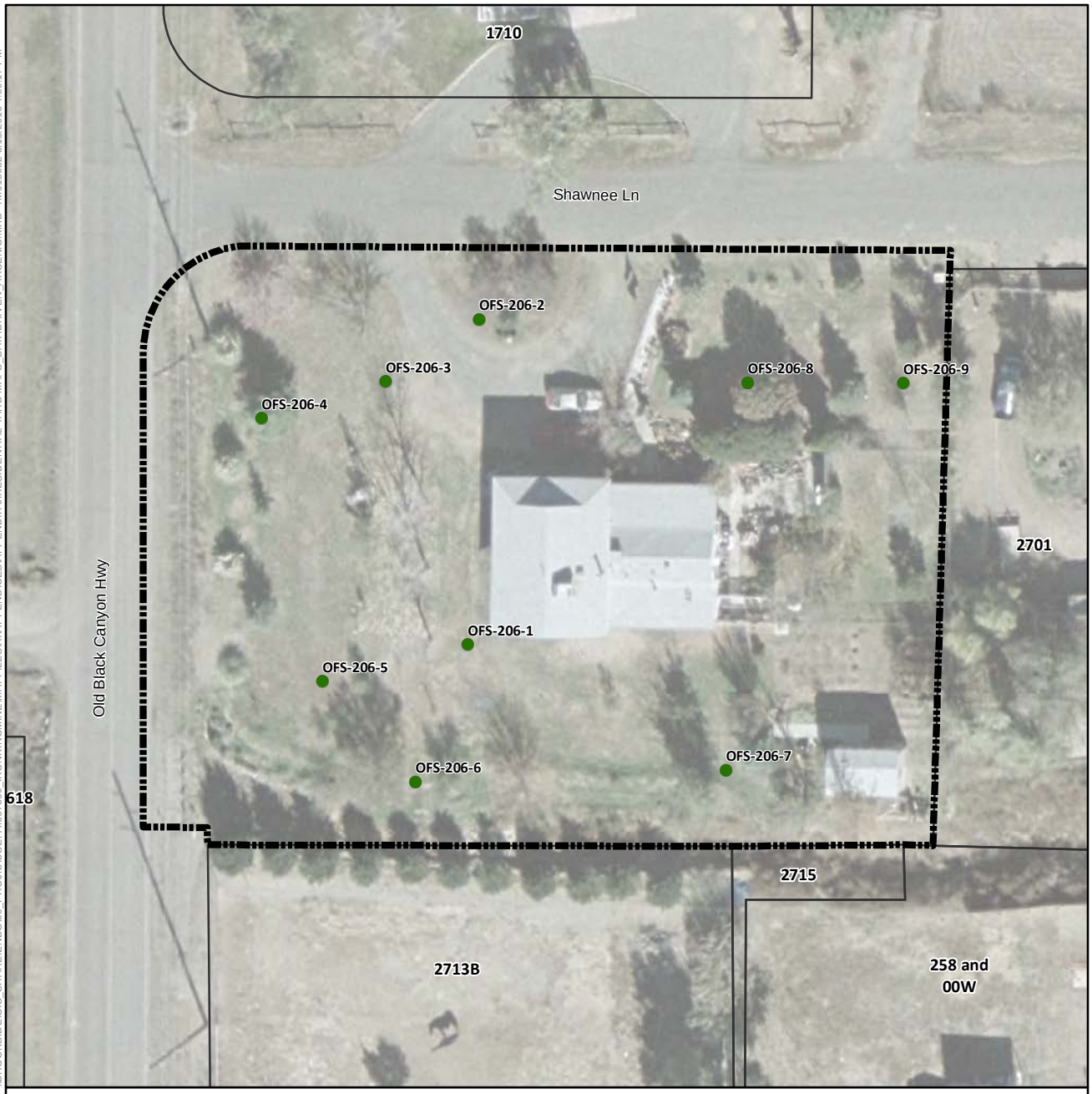


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 205 (Page 219 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



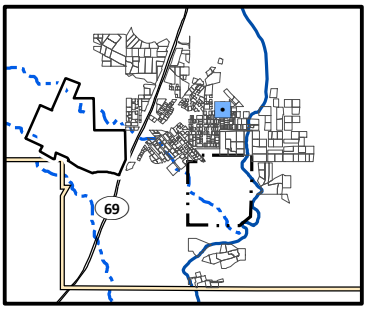
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

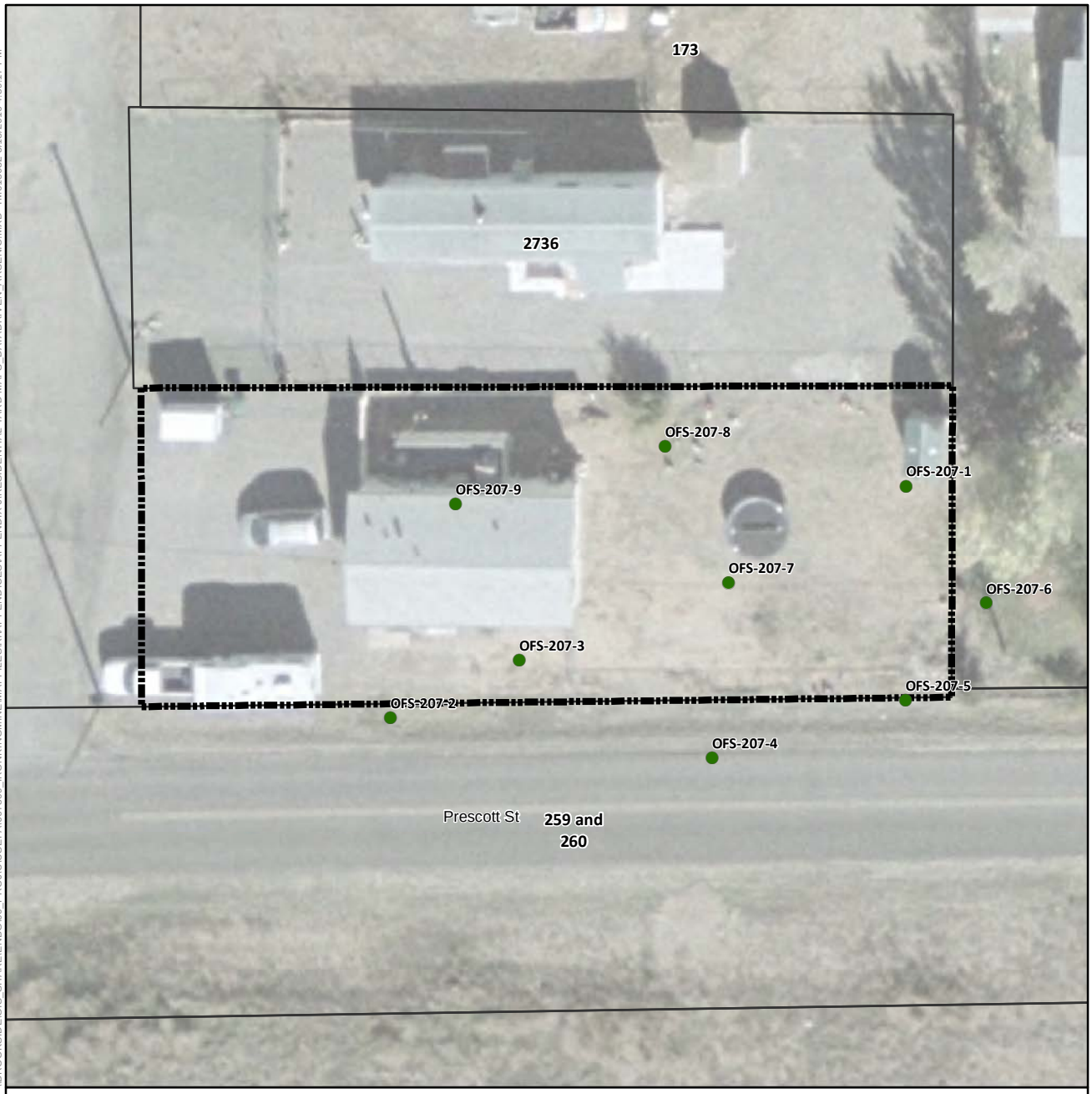


0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 206 (Page 220 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



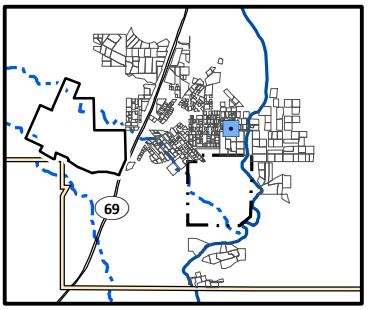
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

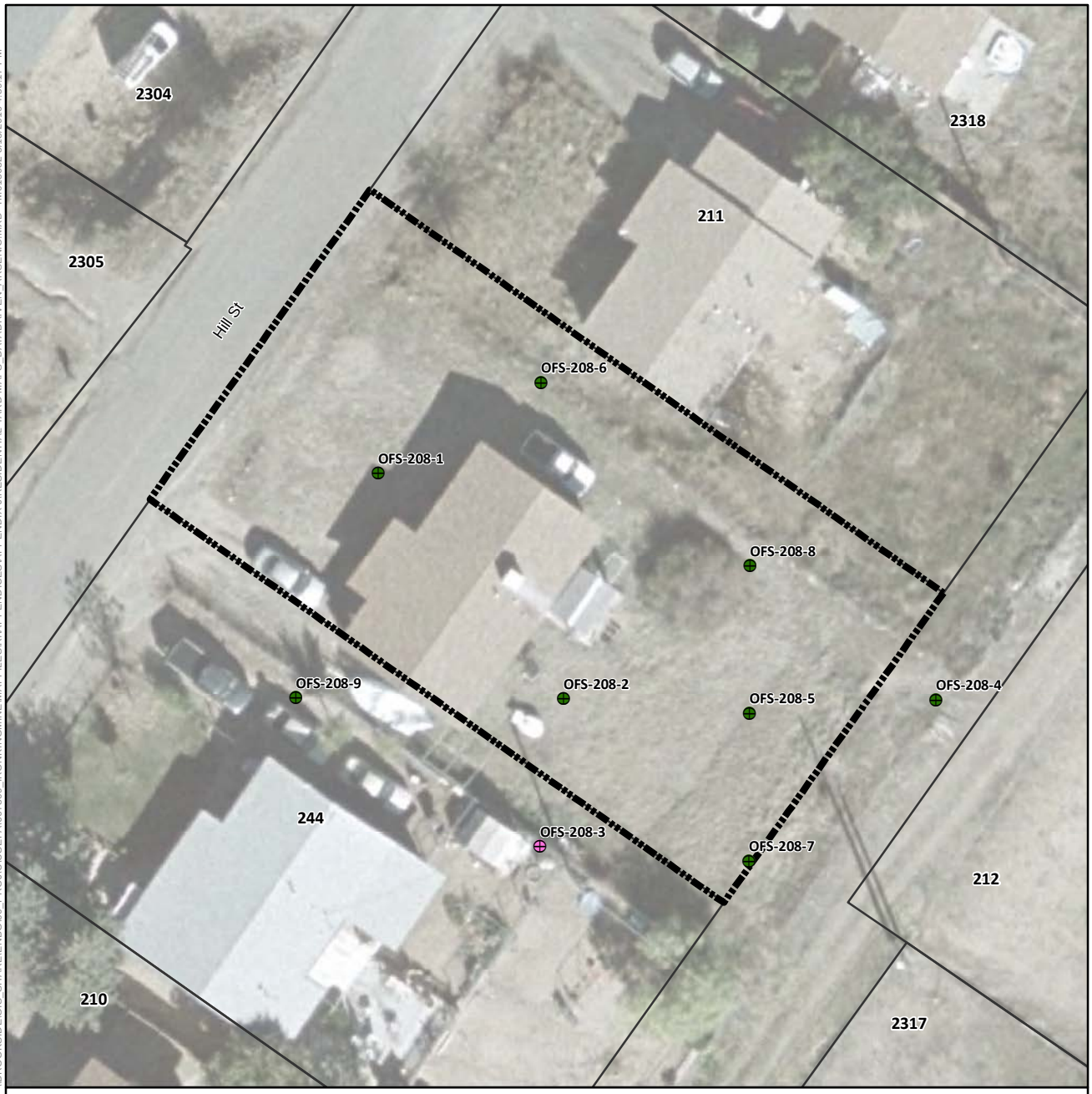


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 207 (Page 221 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



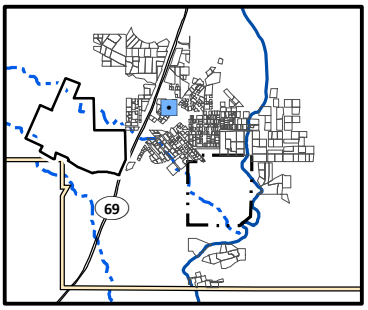
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 208 (Page 222 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\U\USEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL_YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0015632 5/13/2016 4:39:17 PM

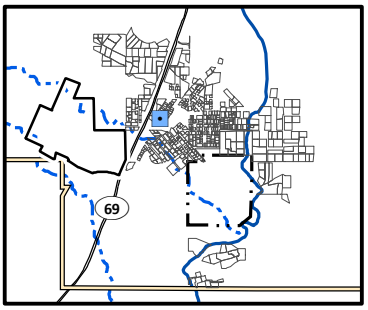


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 209 (Page 223 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



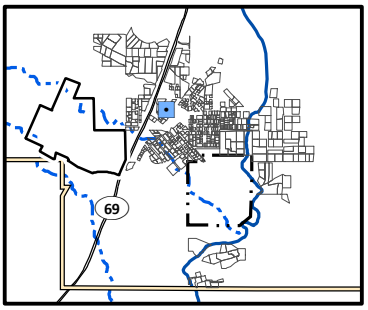
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

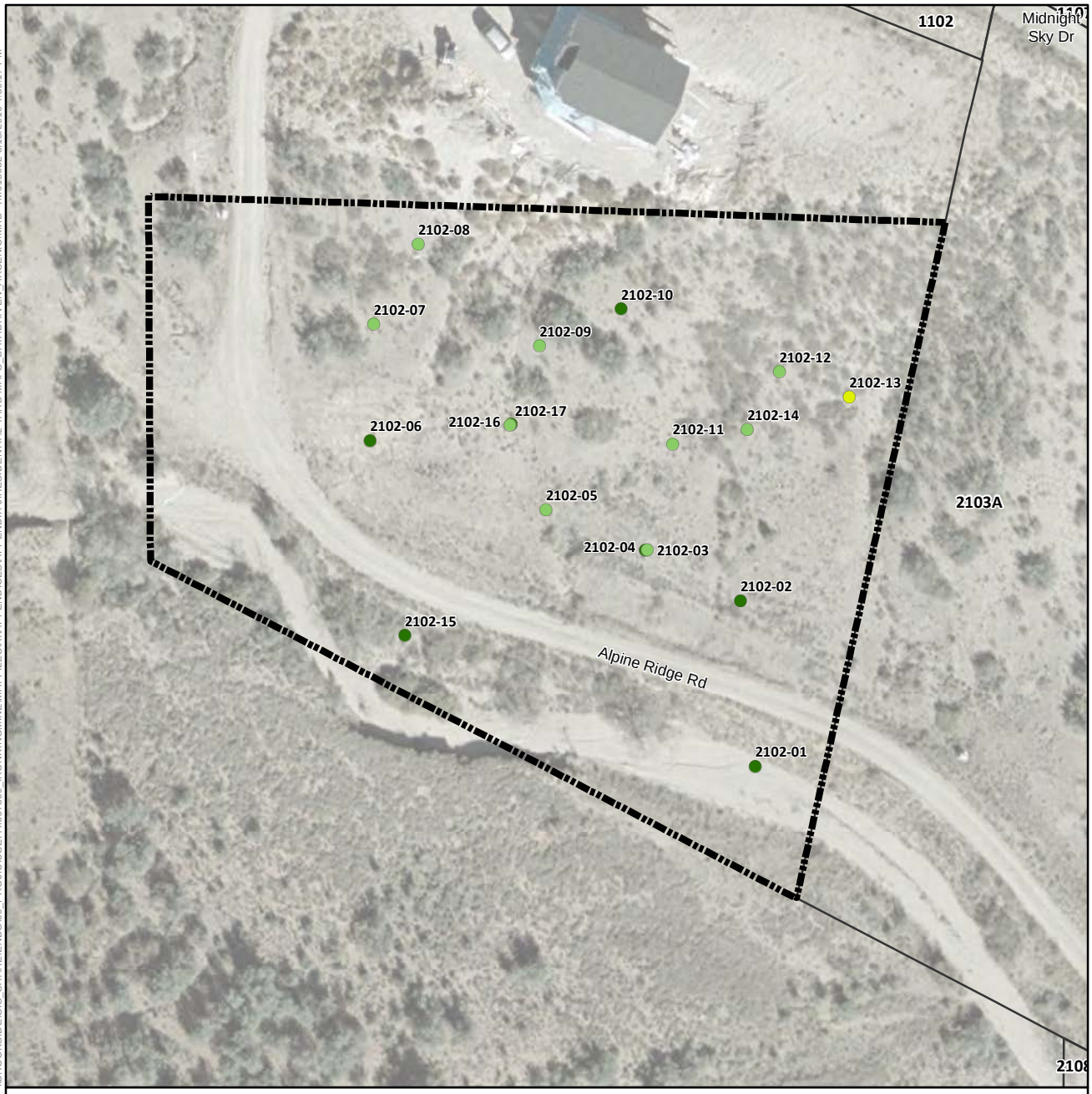


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 210 (Page 224 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



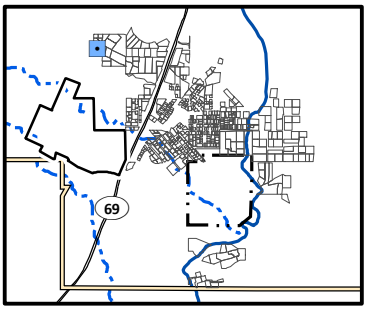
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

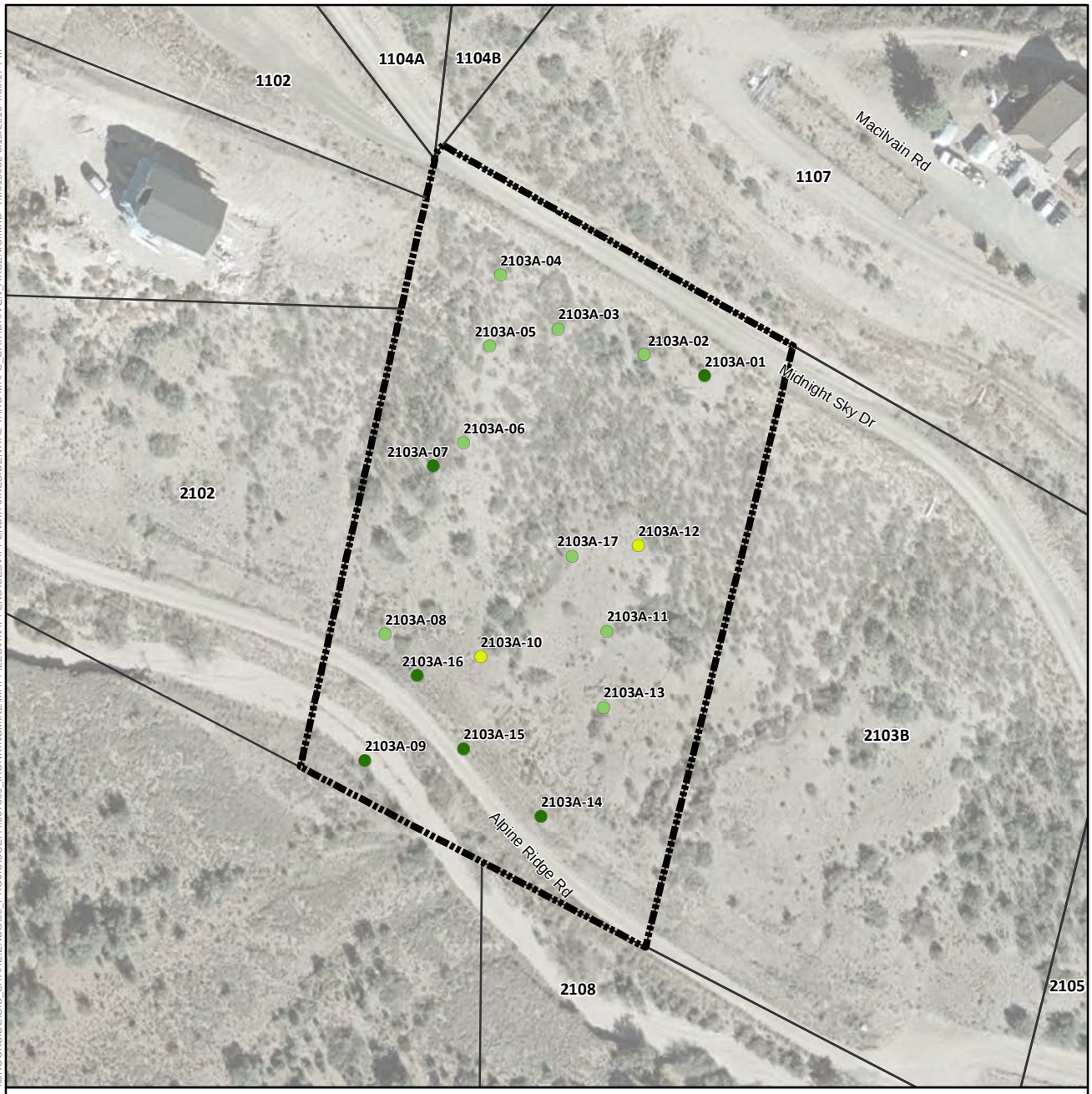


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2102 (Page 225 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



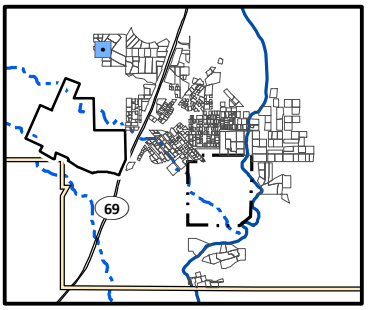
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

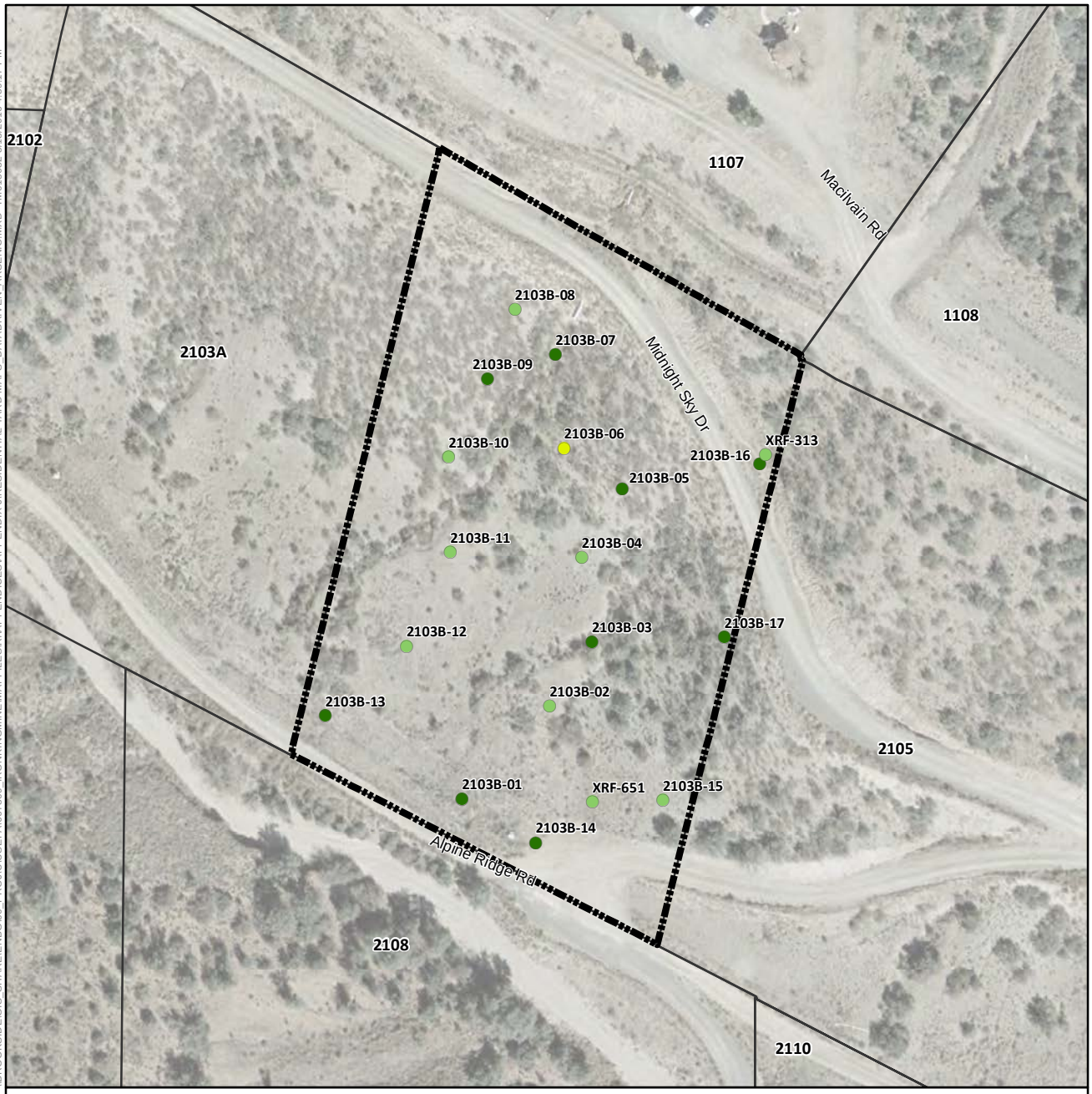
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2103A (Page 226 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



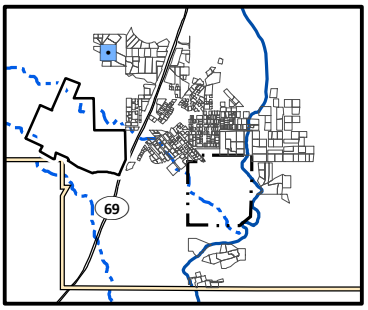
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2103B (Page 227 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

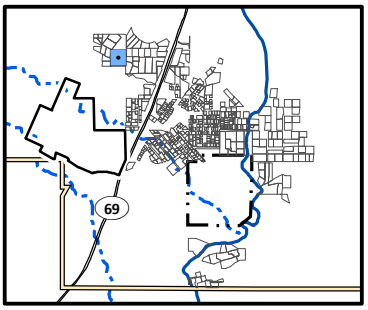


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 225
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2105 (Page 228 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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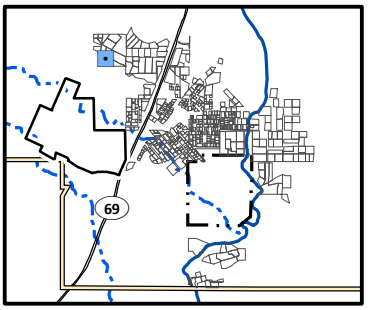
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

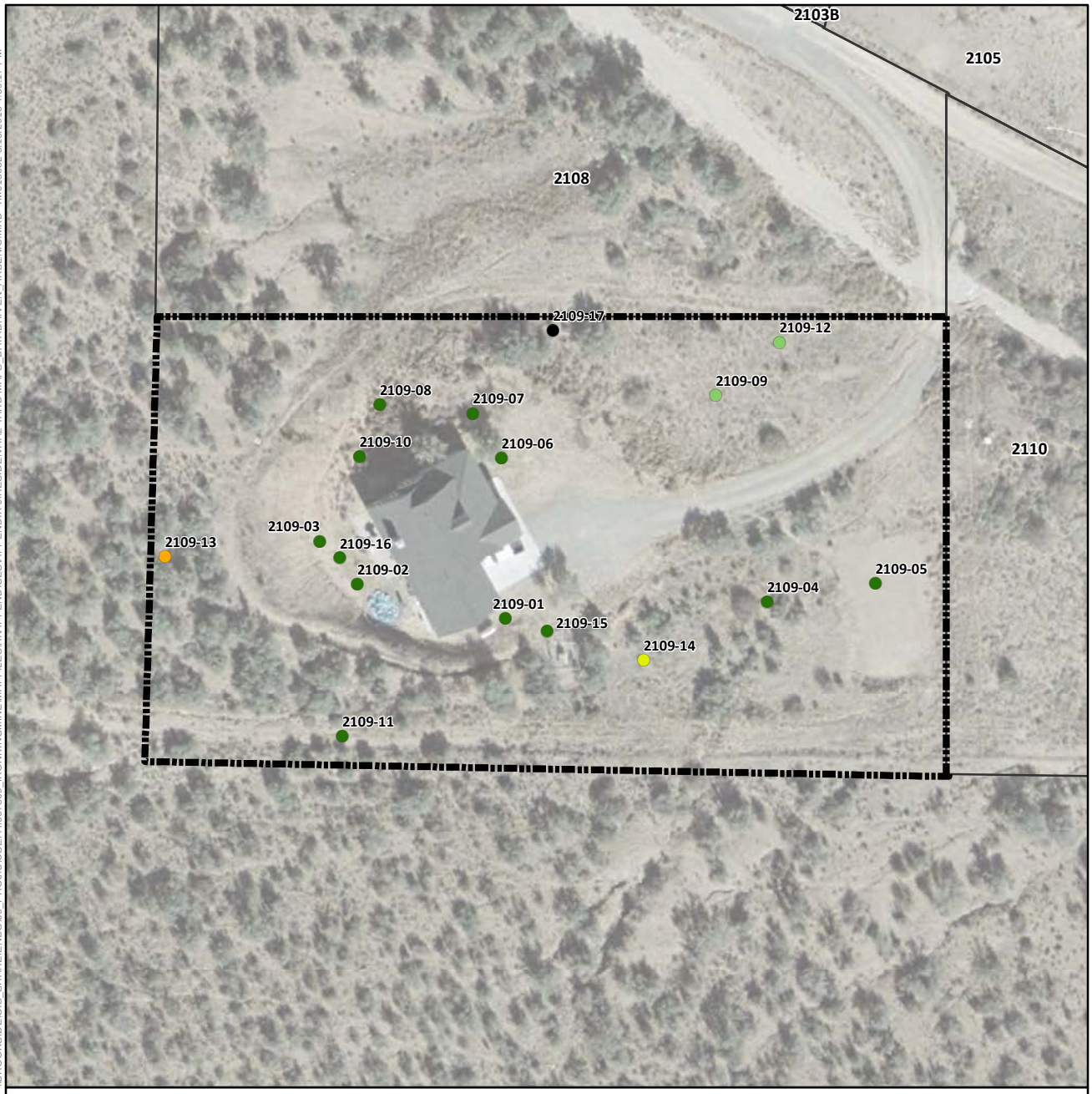
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2108 (Page 229 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



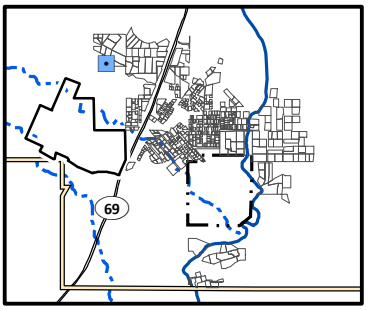
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

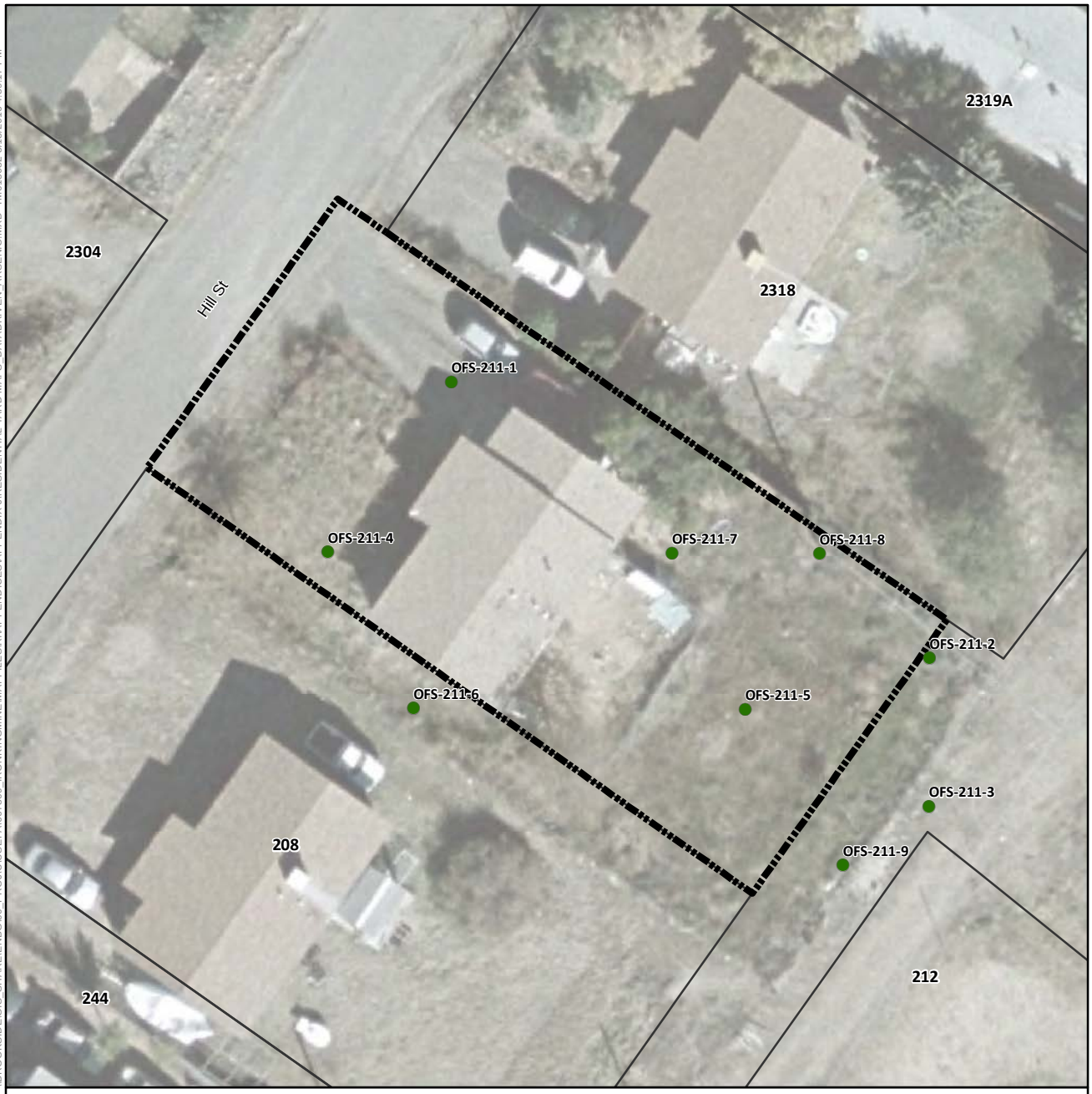
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2109 (Page 230 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



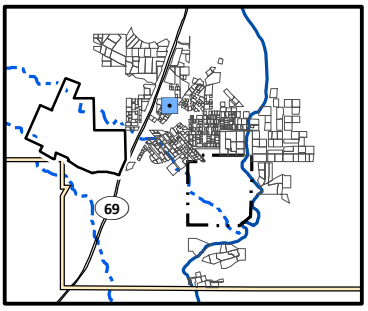
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

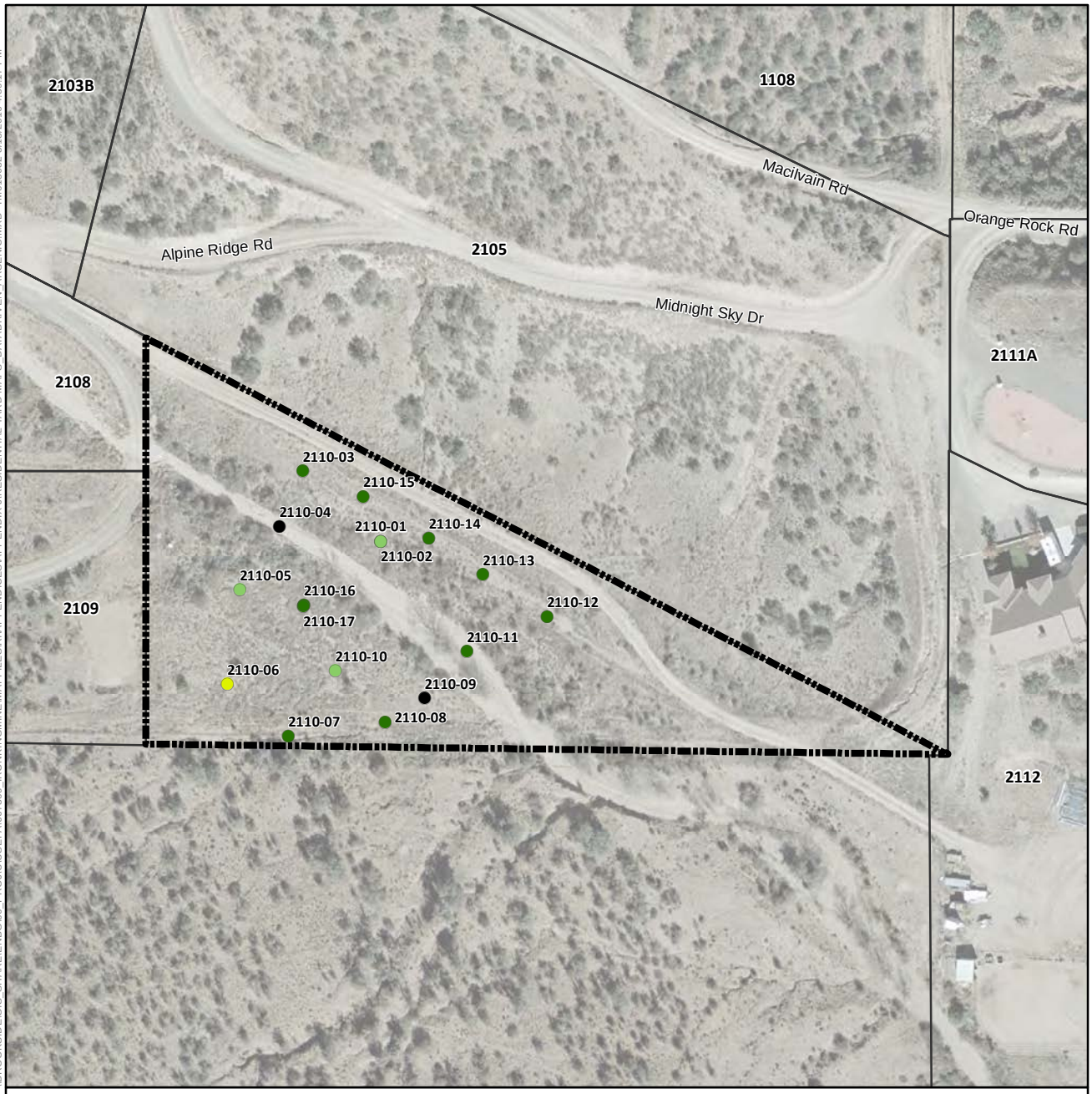


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 211 (Page 231 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



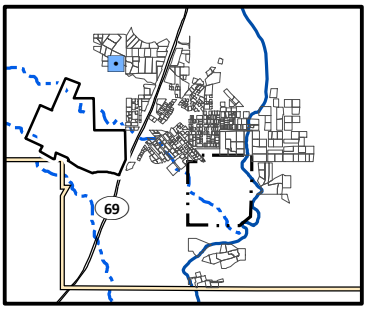
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

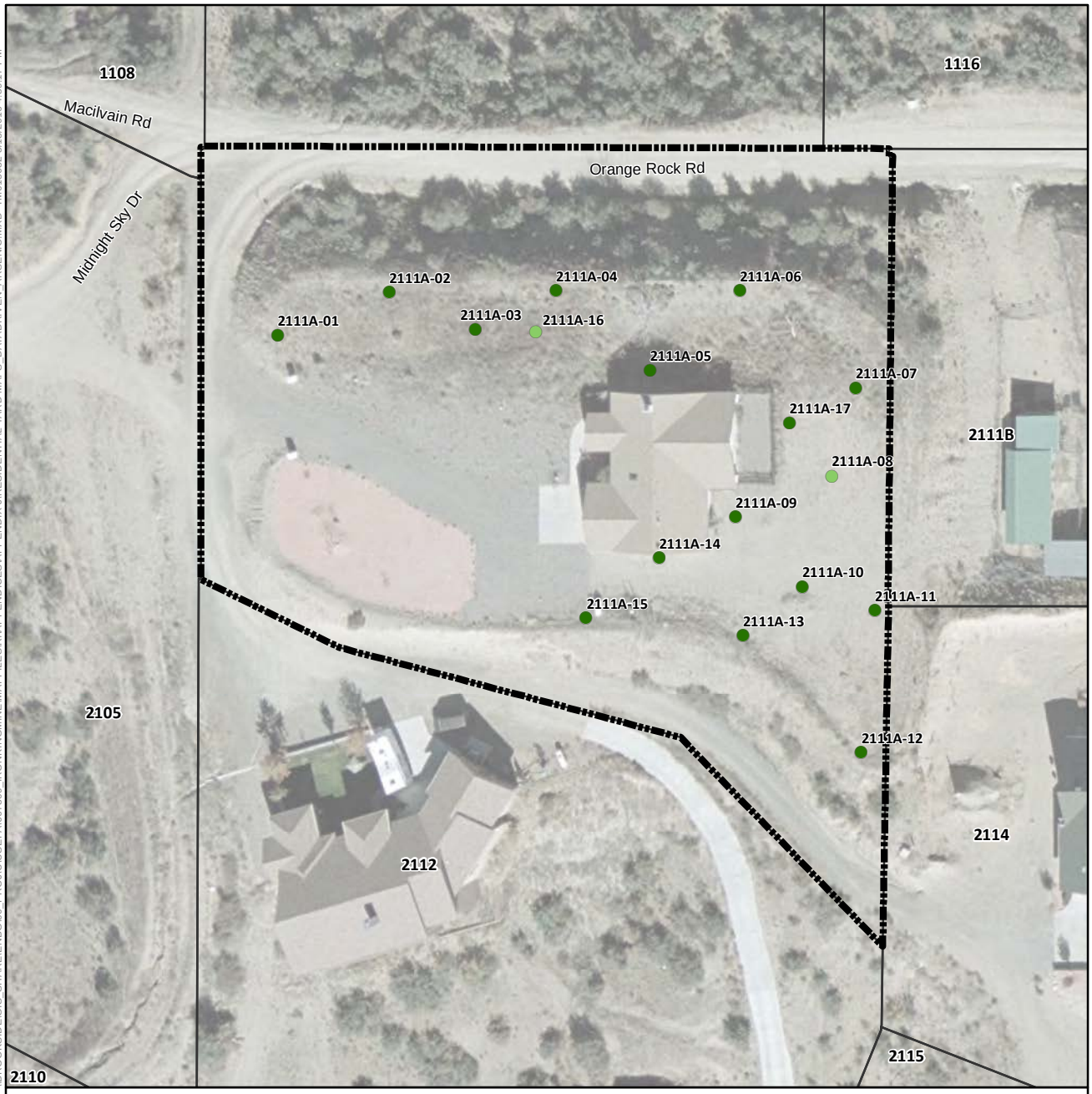
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2110 (Page 232 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

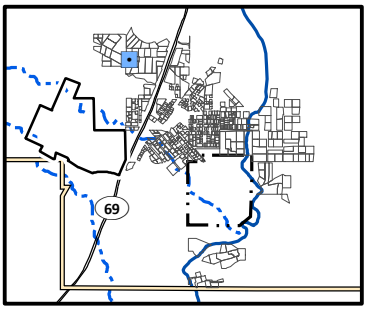


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



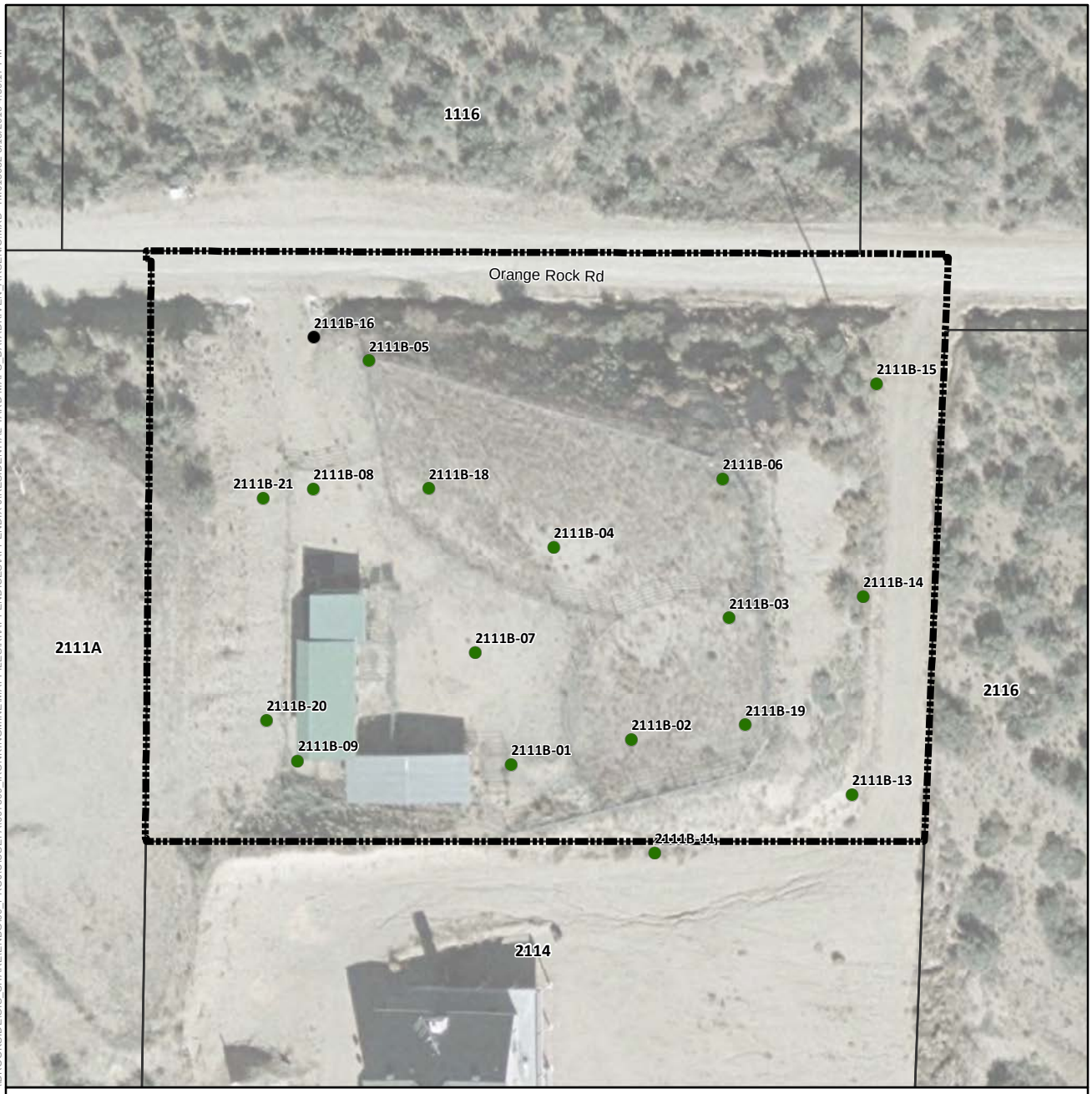
0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2111A (Page 233 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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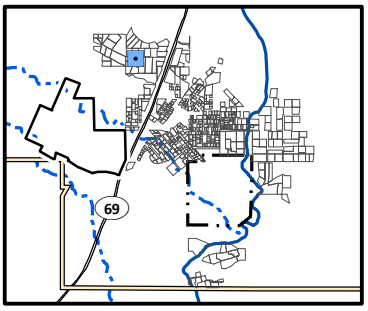


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



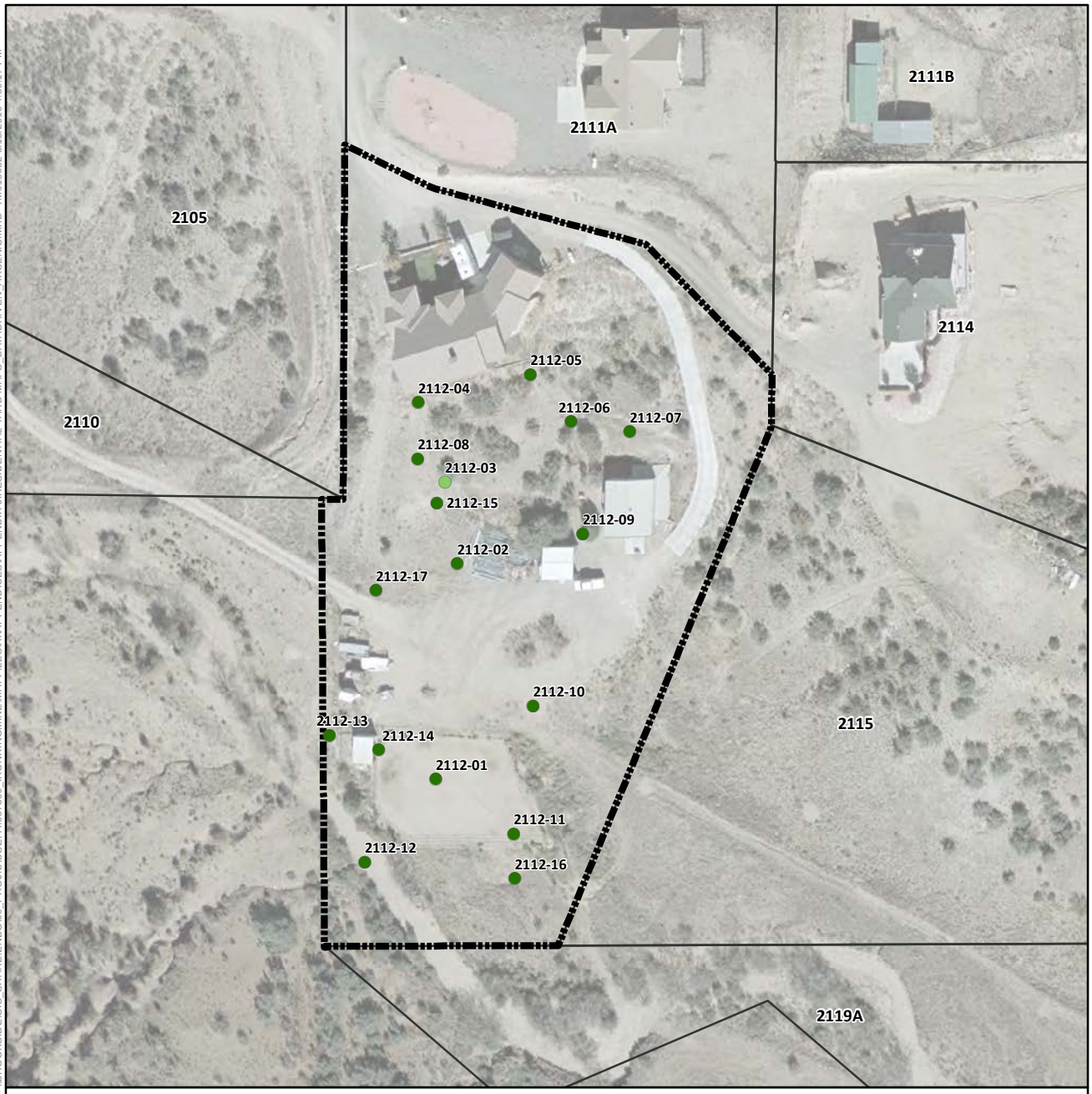
0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2111B (Page 234 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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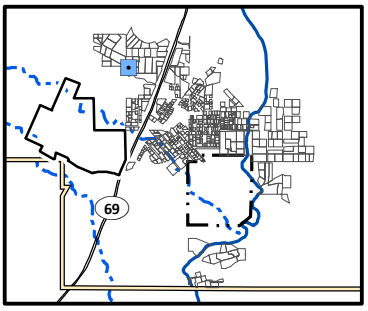
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

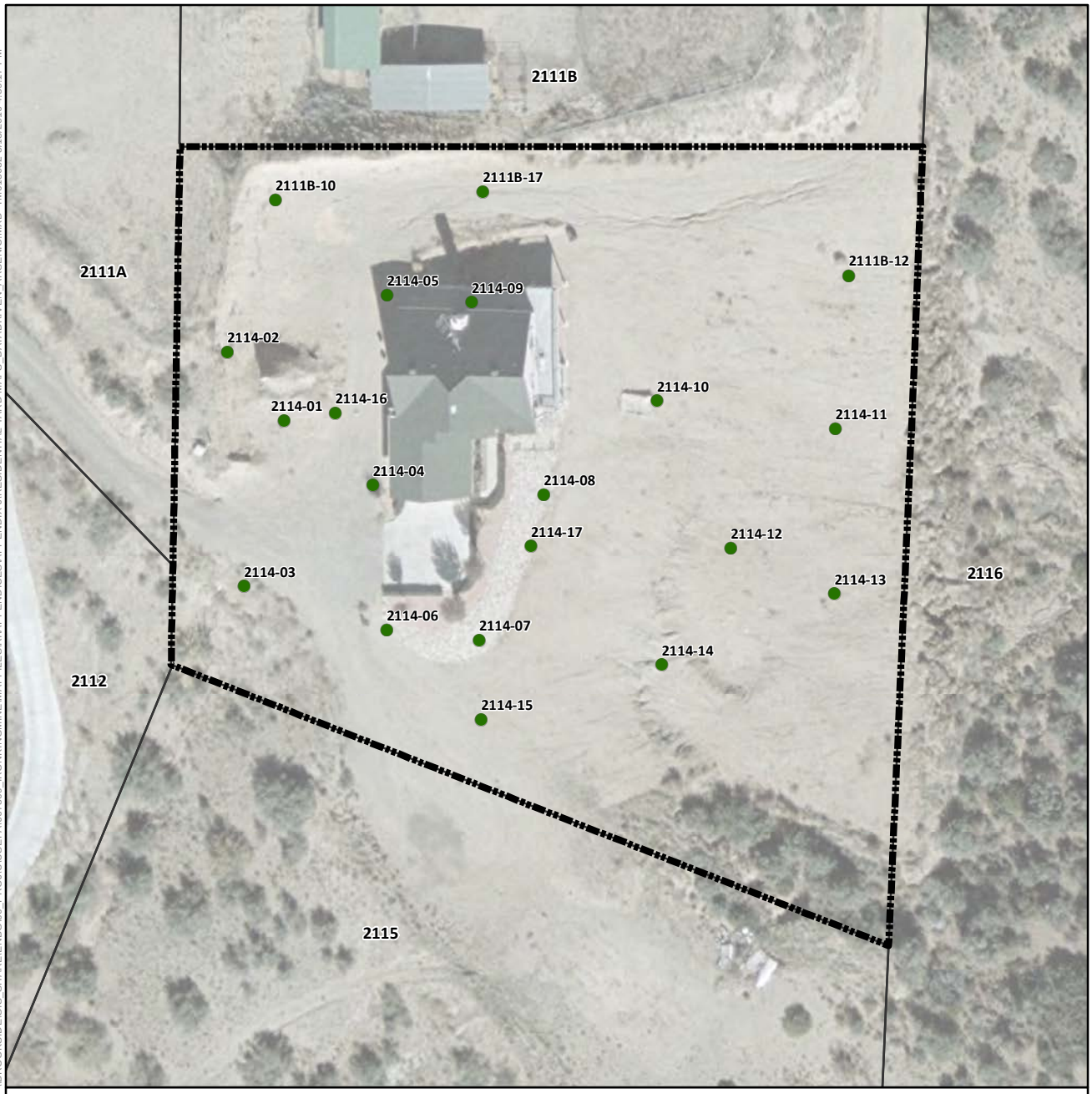


0 170
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2112 (Page 235 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



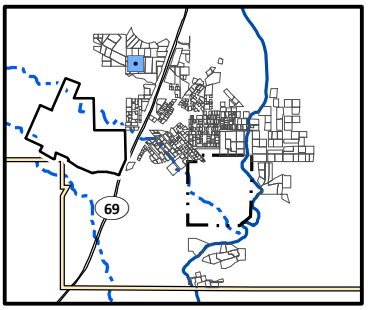
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

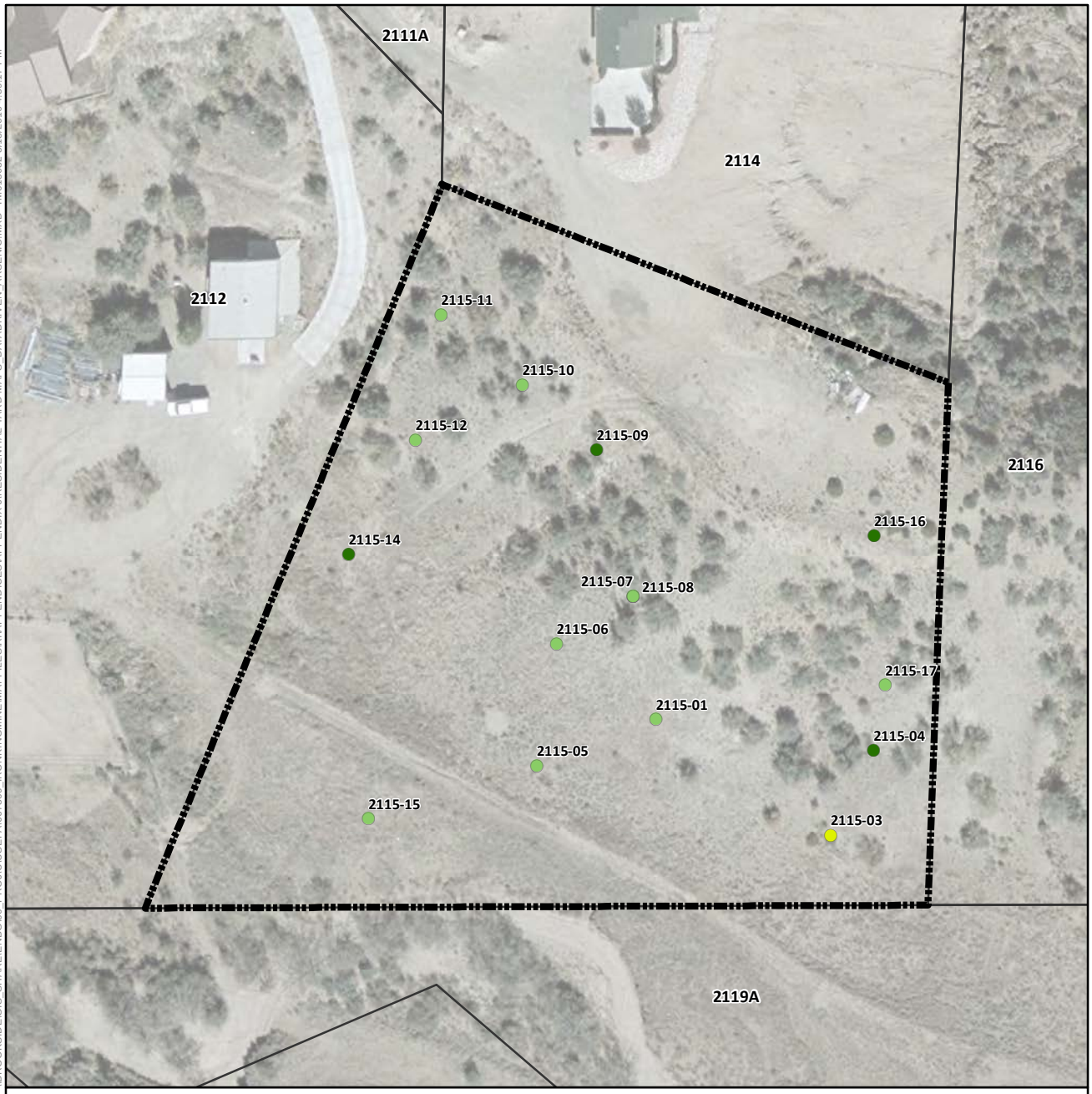


0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2114 (Page 236 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



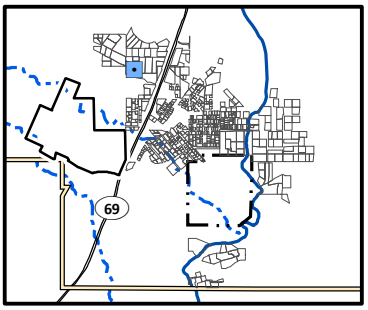
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

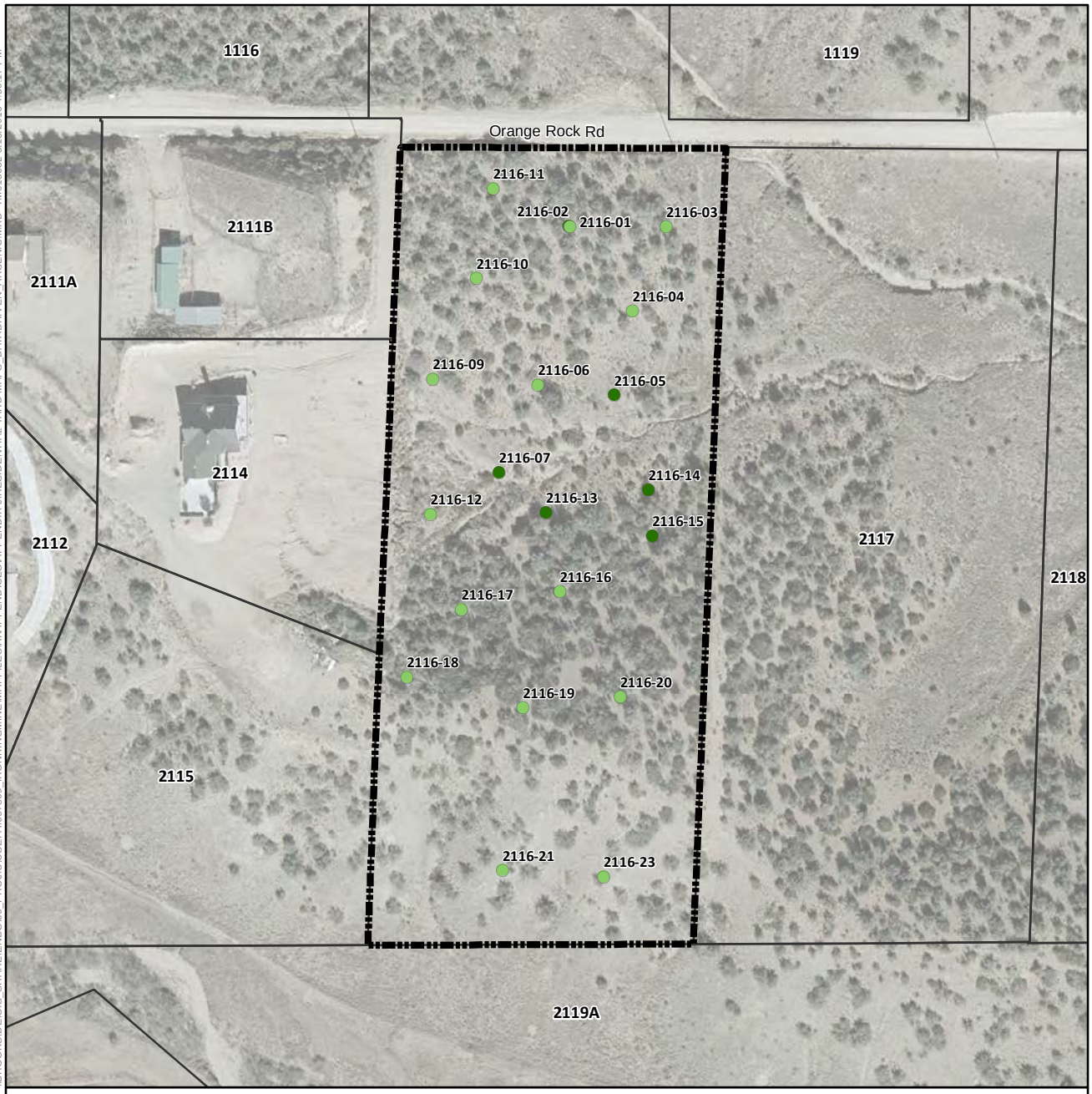


0 125
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2115 (Page 237 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



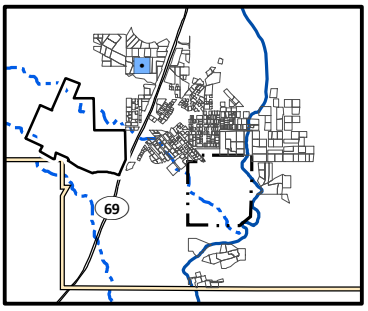
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

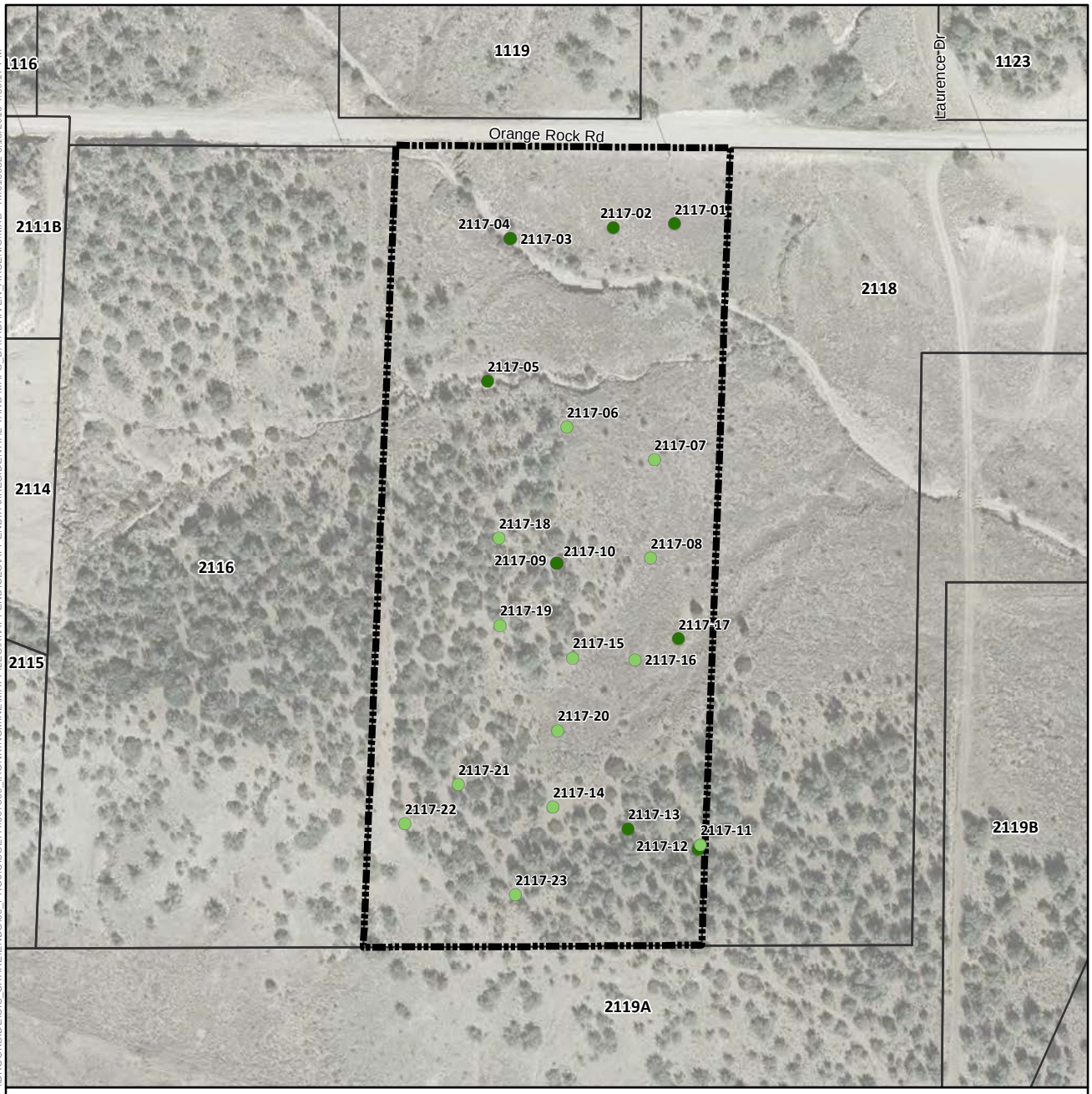
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 225
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2116 (Page 238 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



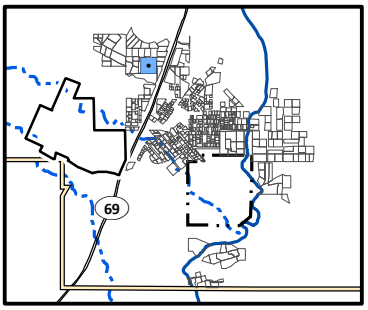
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

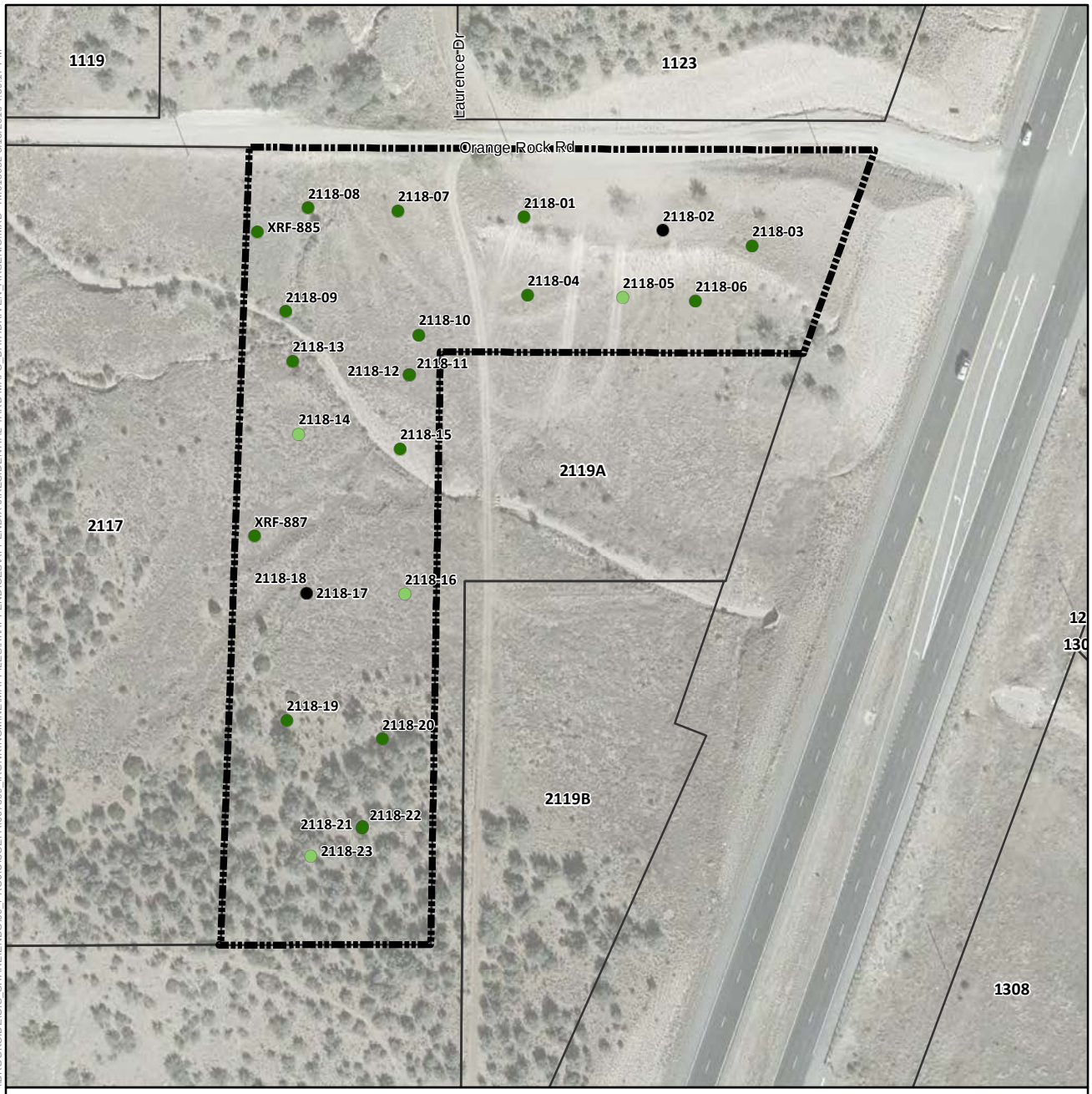
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 220
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2117 (Page 239 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



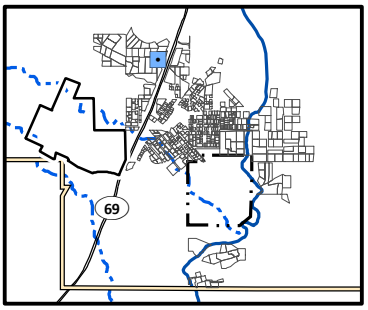
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

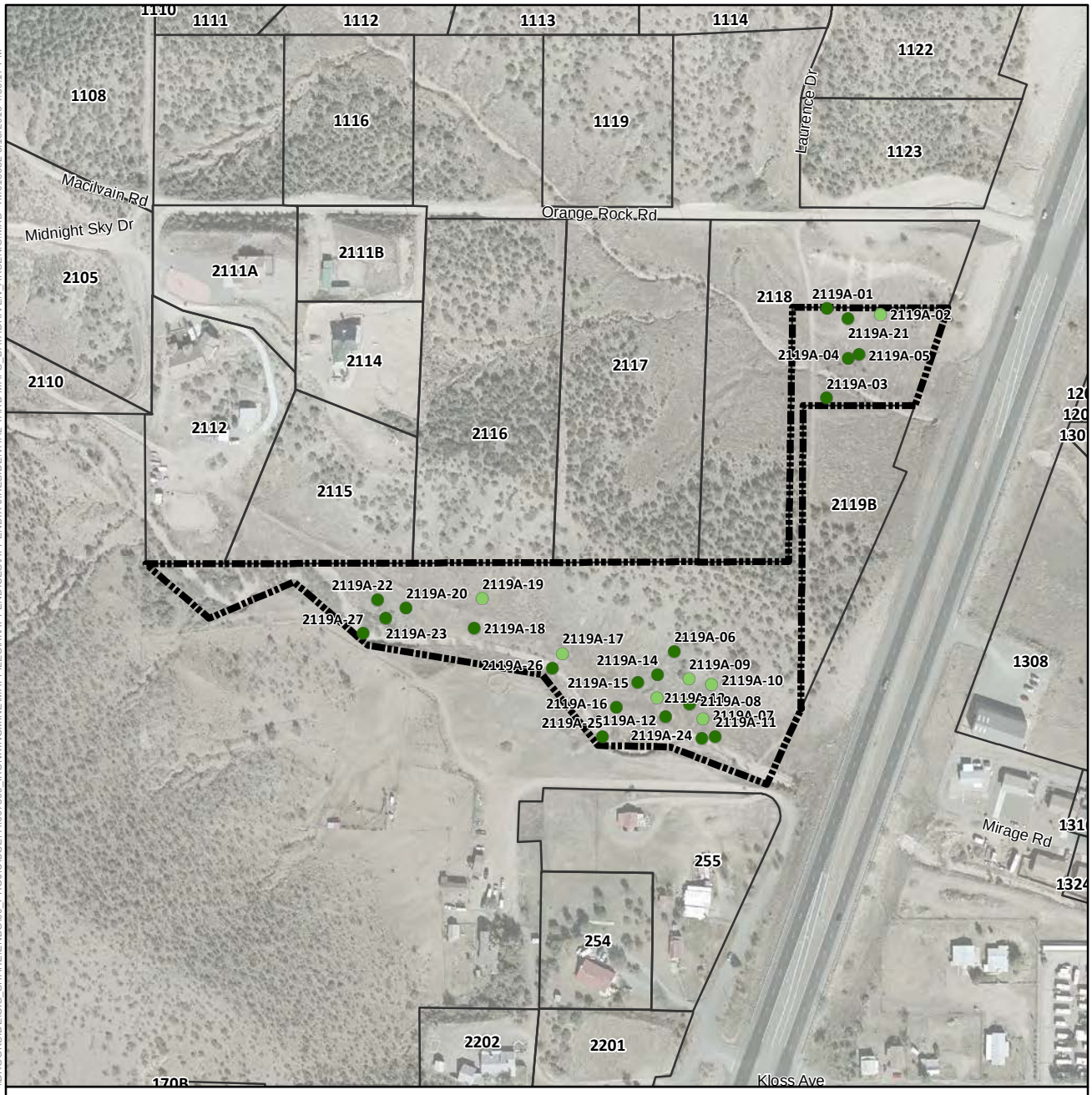
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 220
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2118 (Page 240 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

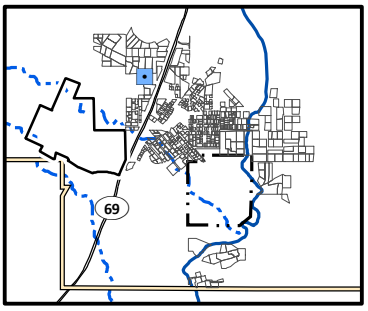


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
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- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

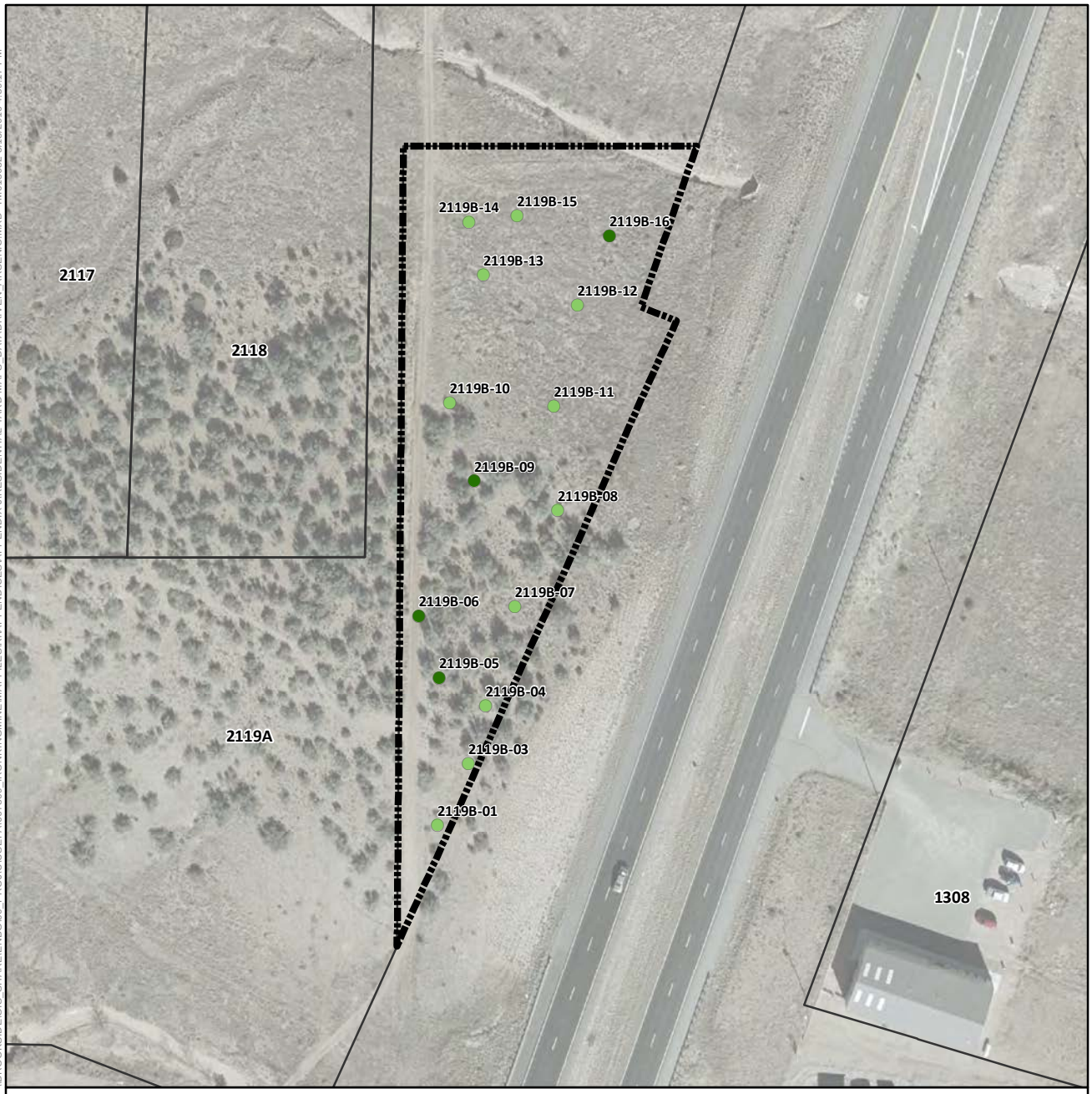


0 520
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2119A (Page 241 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\U\USEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0156325/13/2016 4:39:17 PM



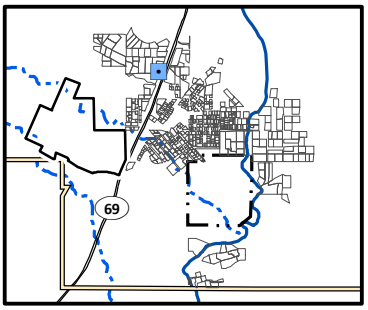
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 190
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2119B (Page 242 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



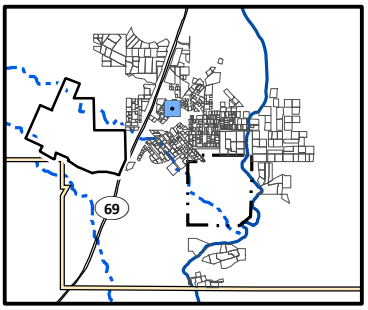
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

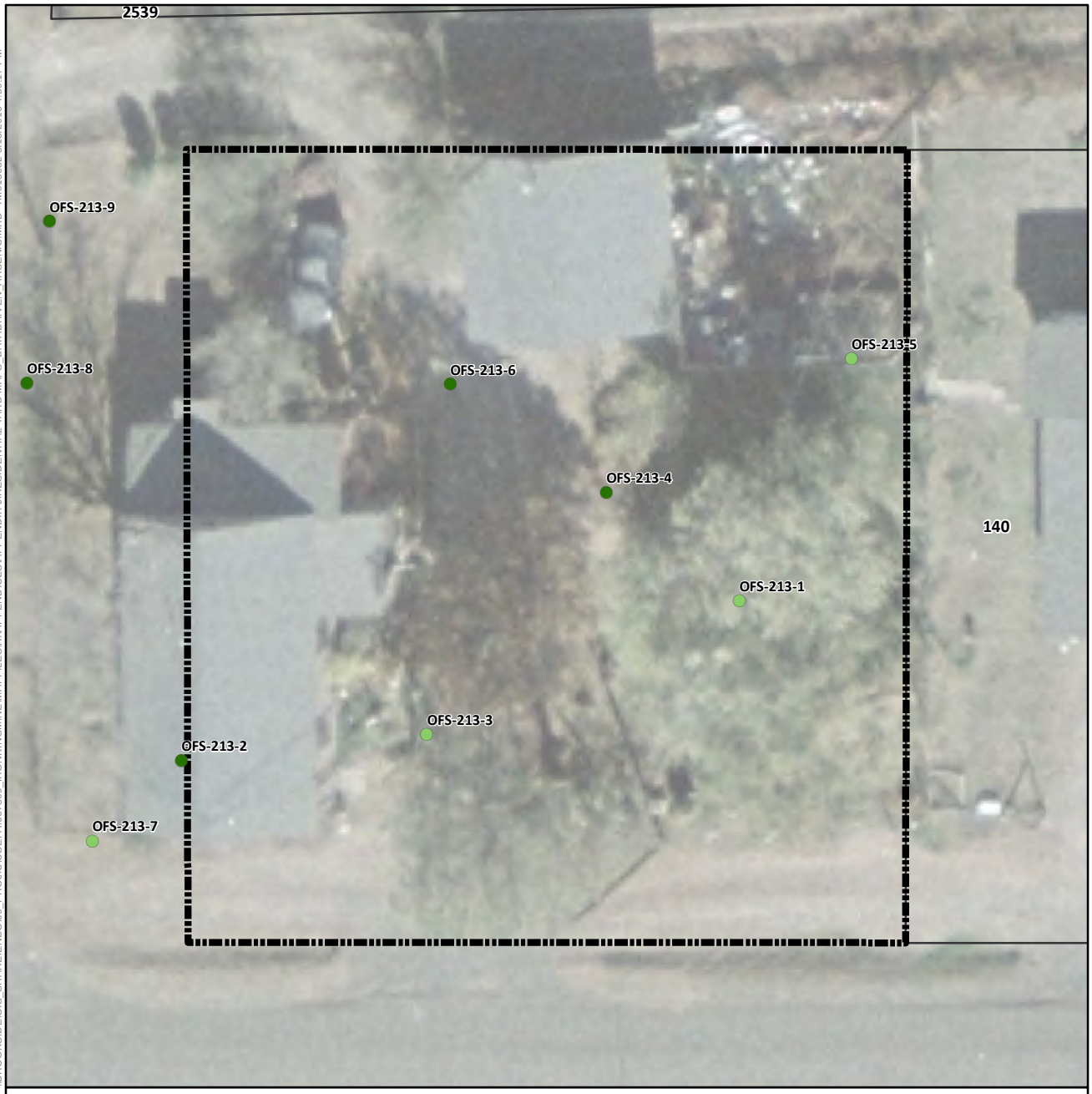


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 212 (Page 243 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



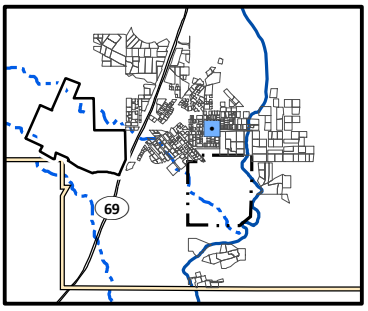
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 213 (Page 244 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



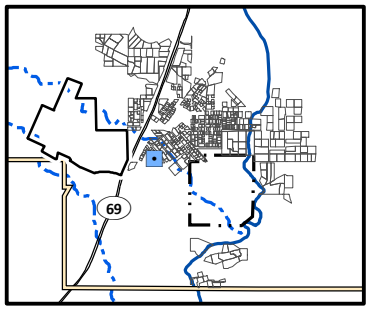
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 214A (Page 245 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



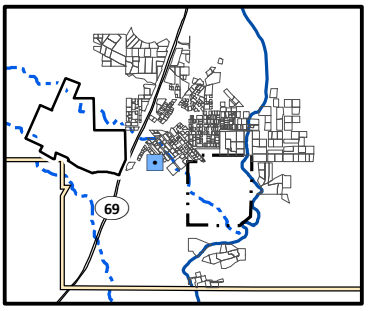
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

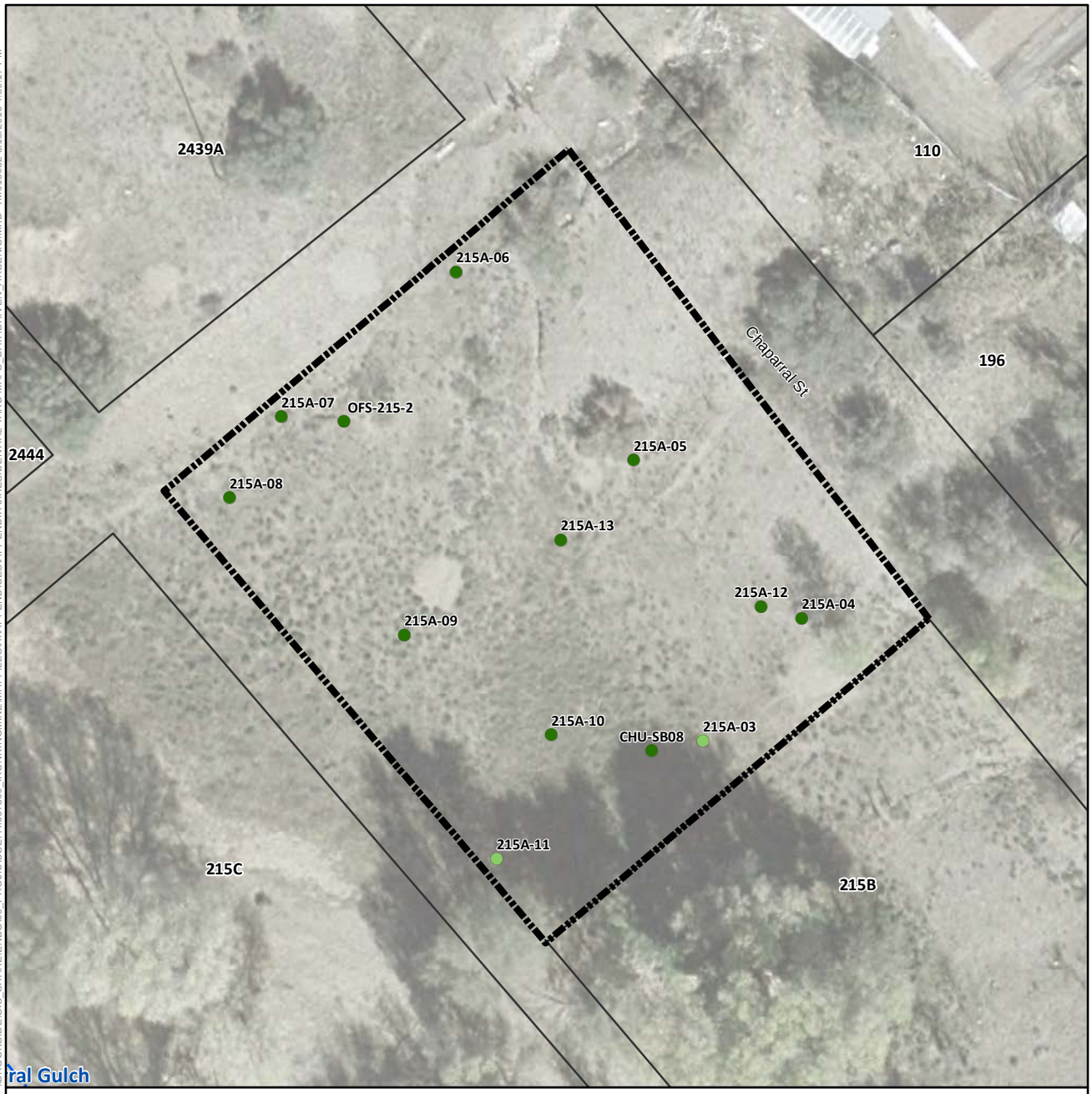
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 214B (Page 246 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



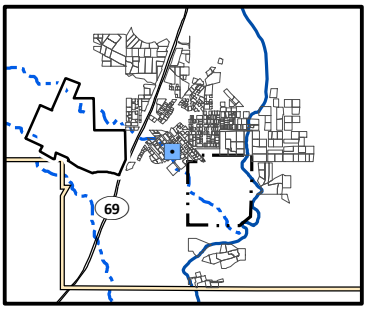
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

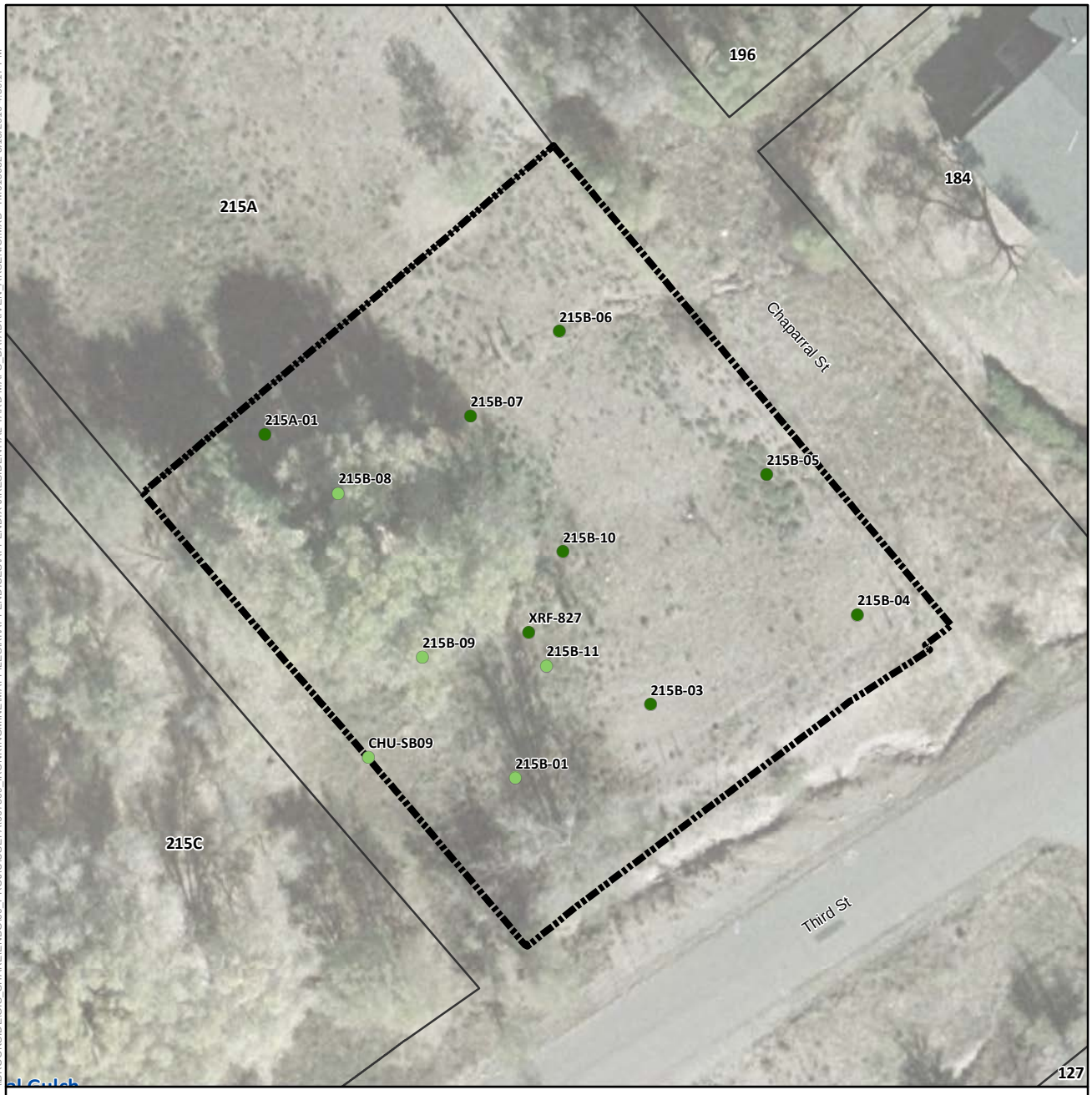
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 215A (Page 247 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

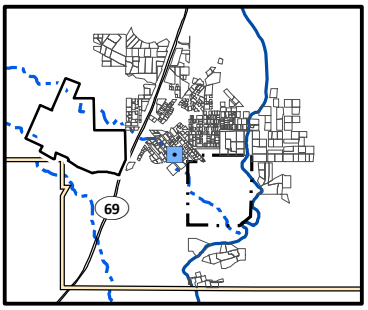


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

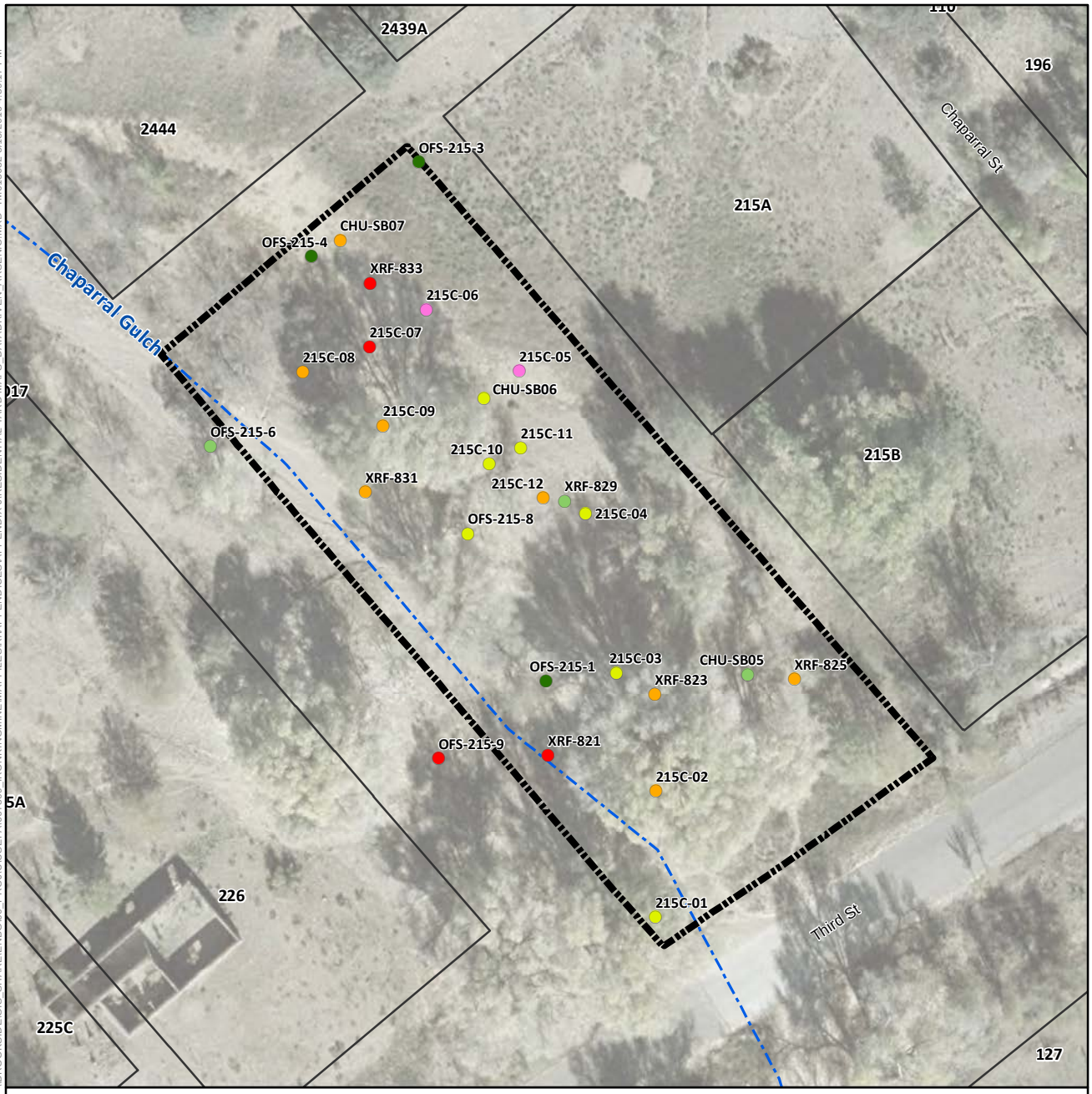


0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 215B (Page 248 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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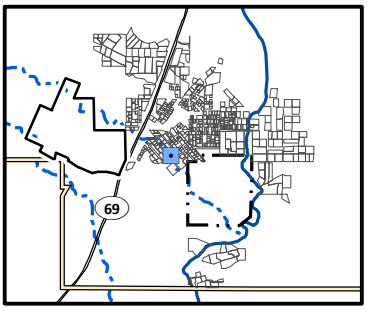
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 215C (Page 249 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



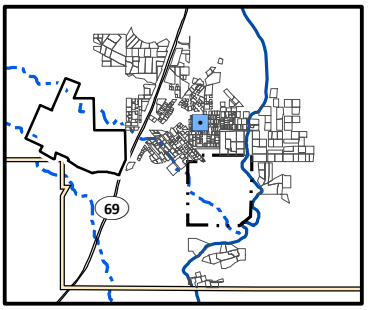
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 216 (Page 250 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



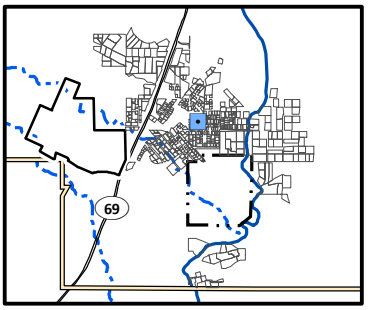
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
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- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
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- Yard Boundary
- Adjacent Yard Boundary
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0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 217 (Page 251 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



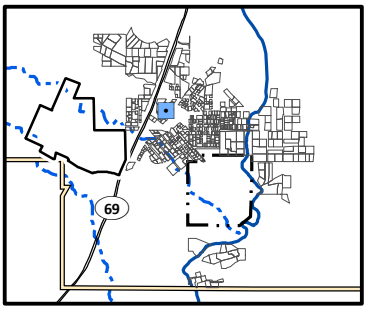
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
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- Historic Rail Line
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- Yard Boundary
- Adjacent Yard Boundary
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- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

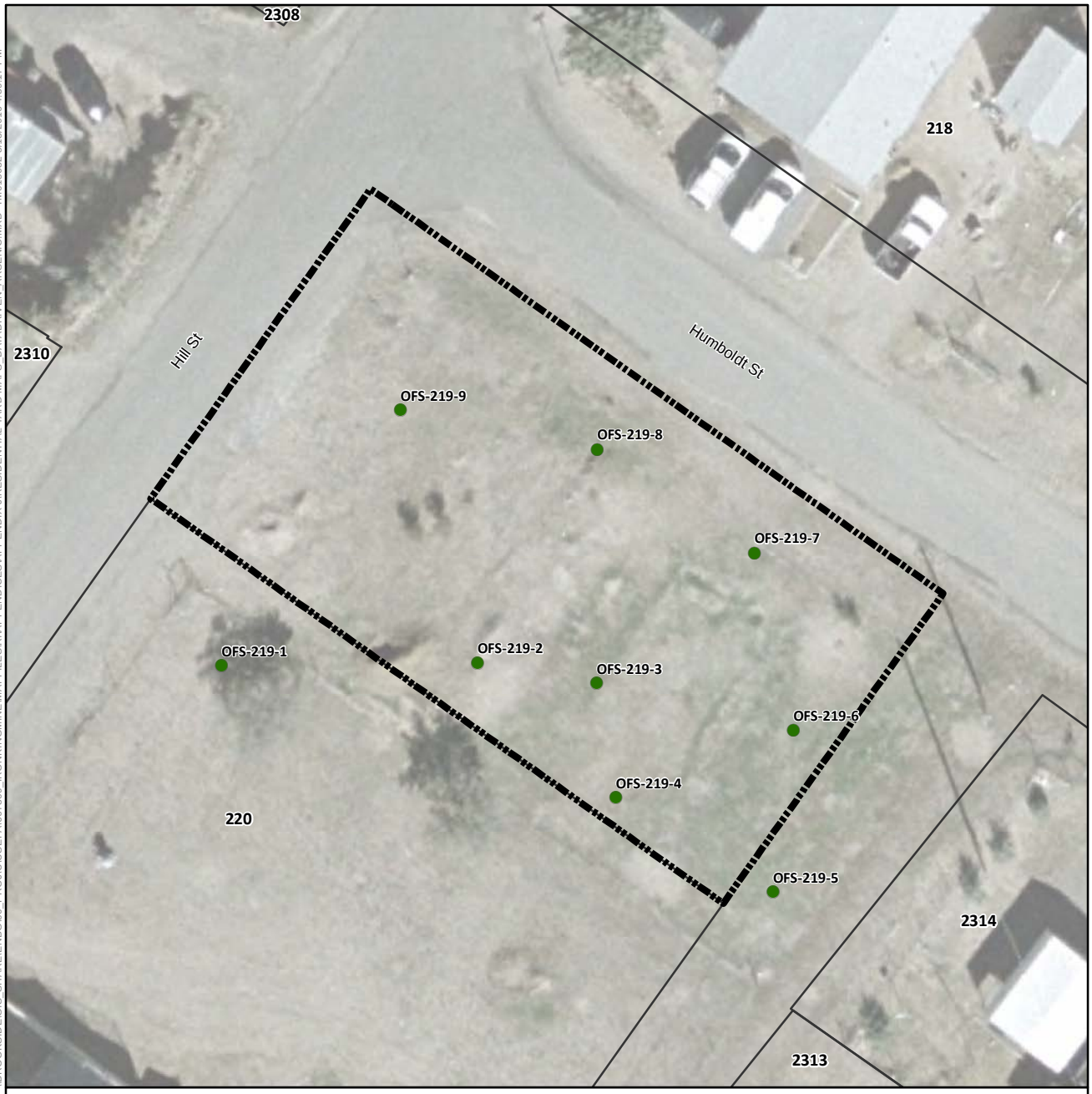


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 218 (Page 252 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



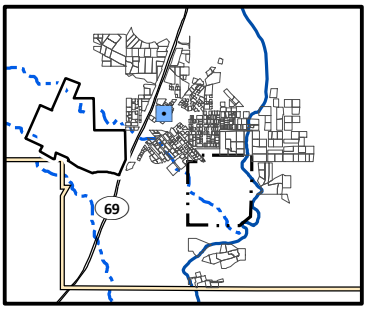
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 219 (Page 253 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



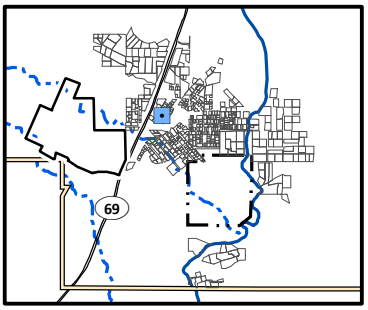
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

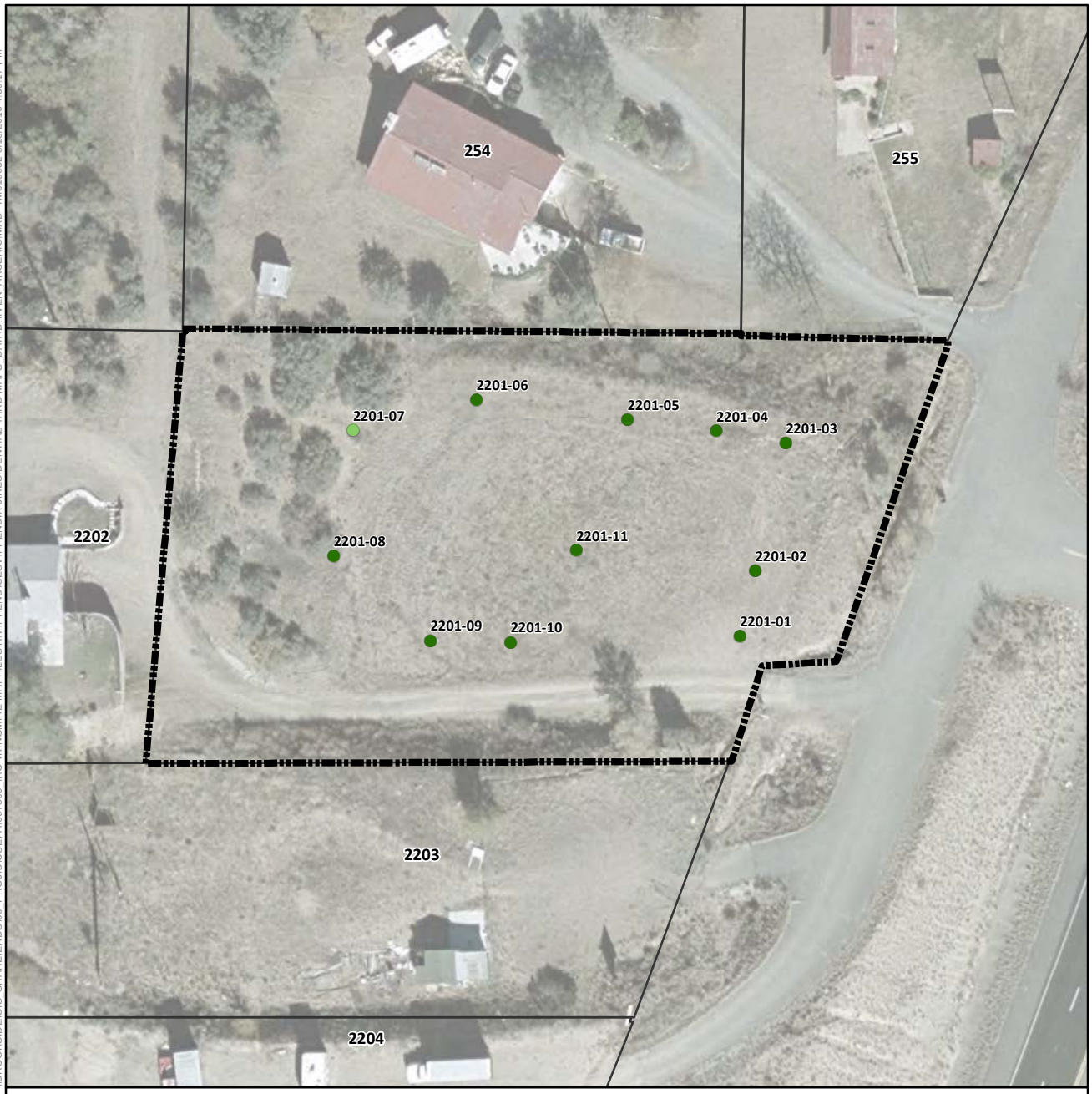


0 70
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 220 (Page 254 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



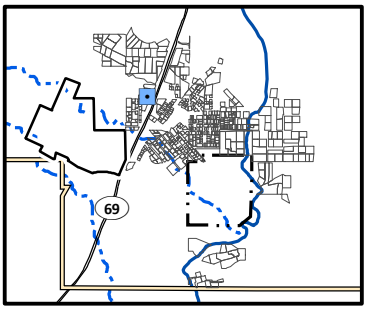
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

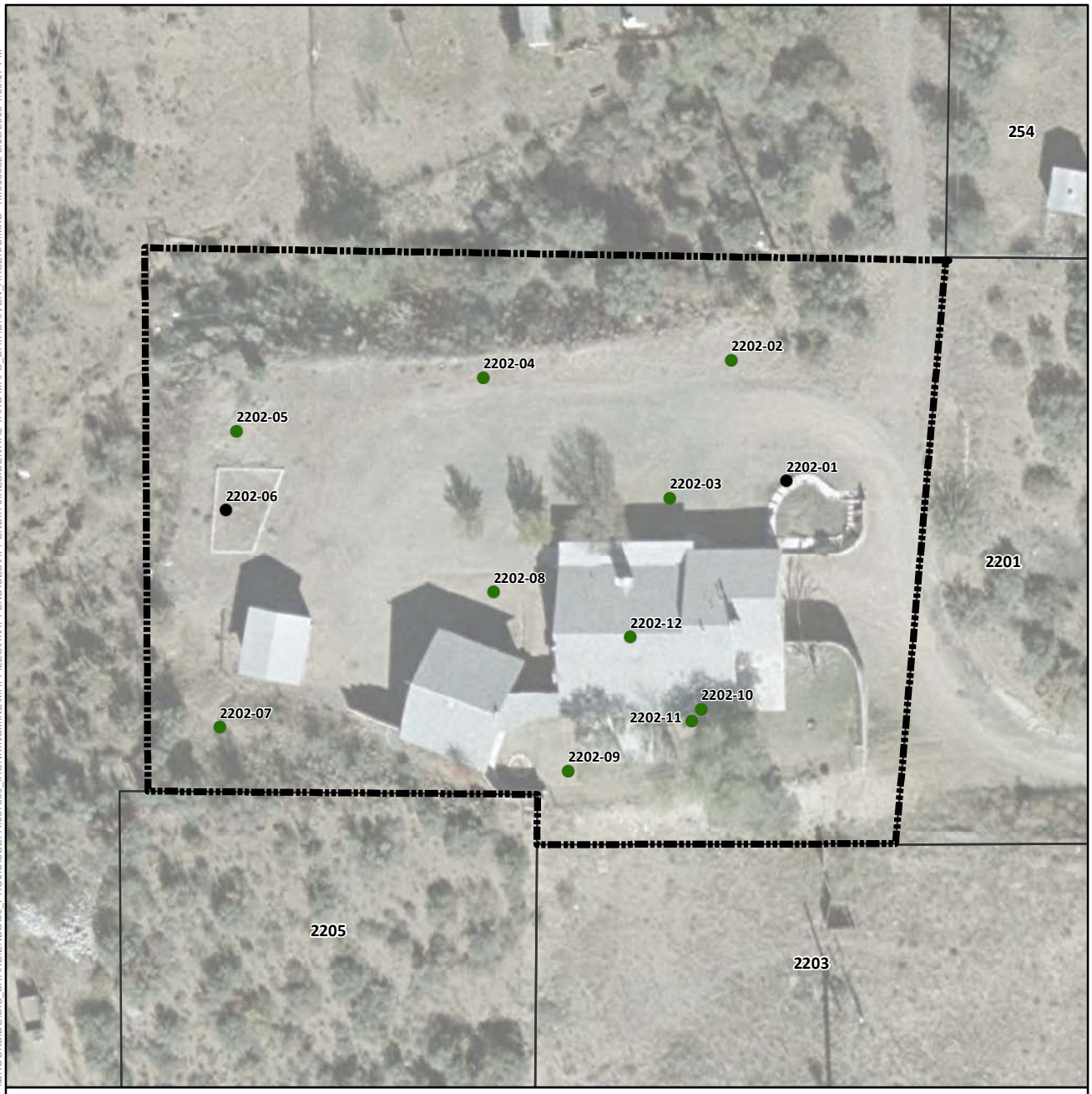


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2201 (Page 255 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



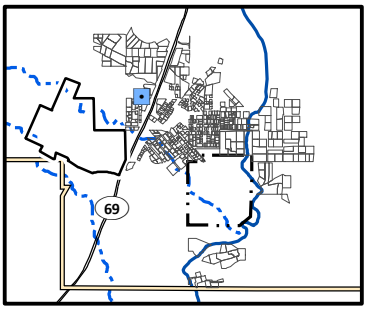
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2202 (Page 256 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



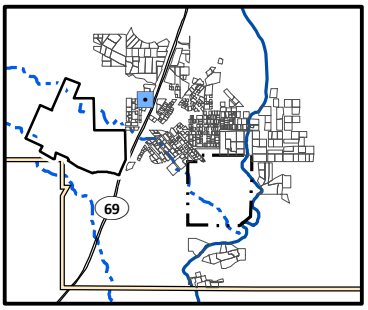
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2203 (Page 257 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



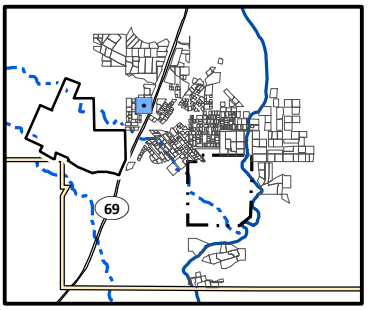
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

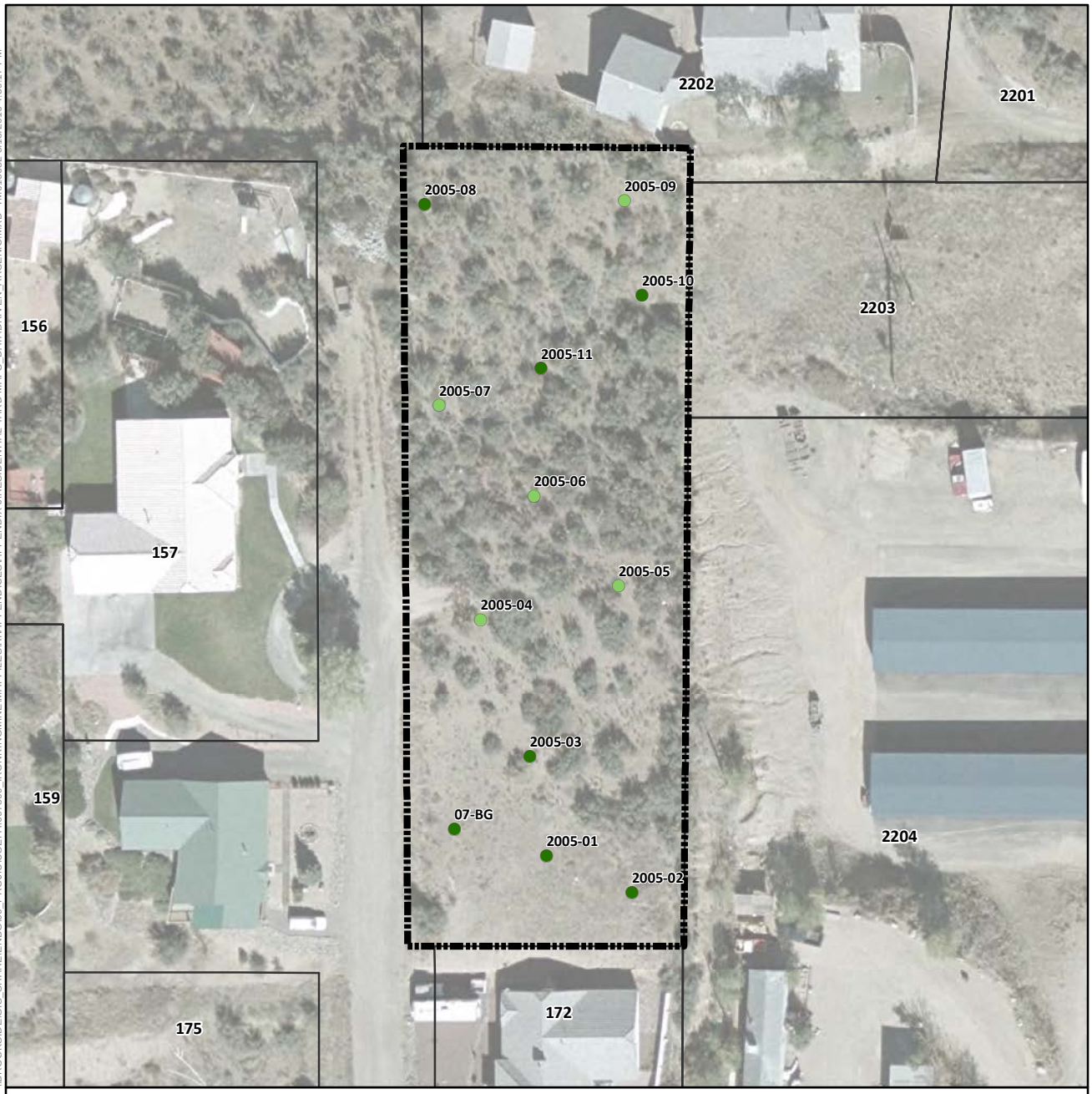


0 125
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2204 (Page 258 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



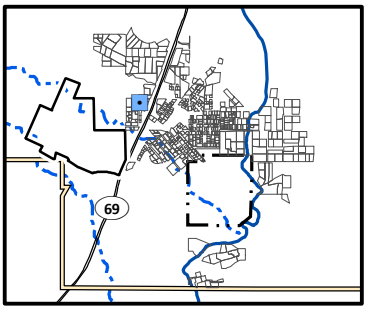
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

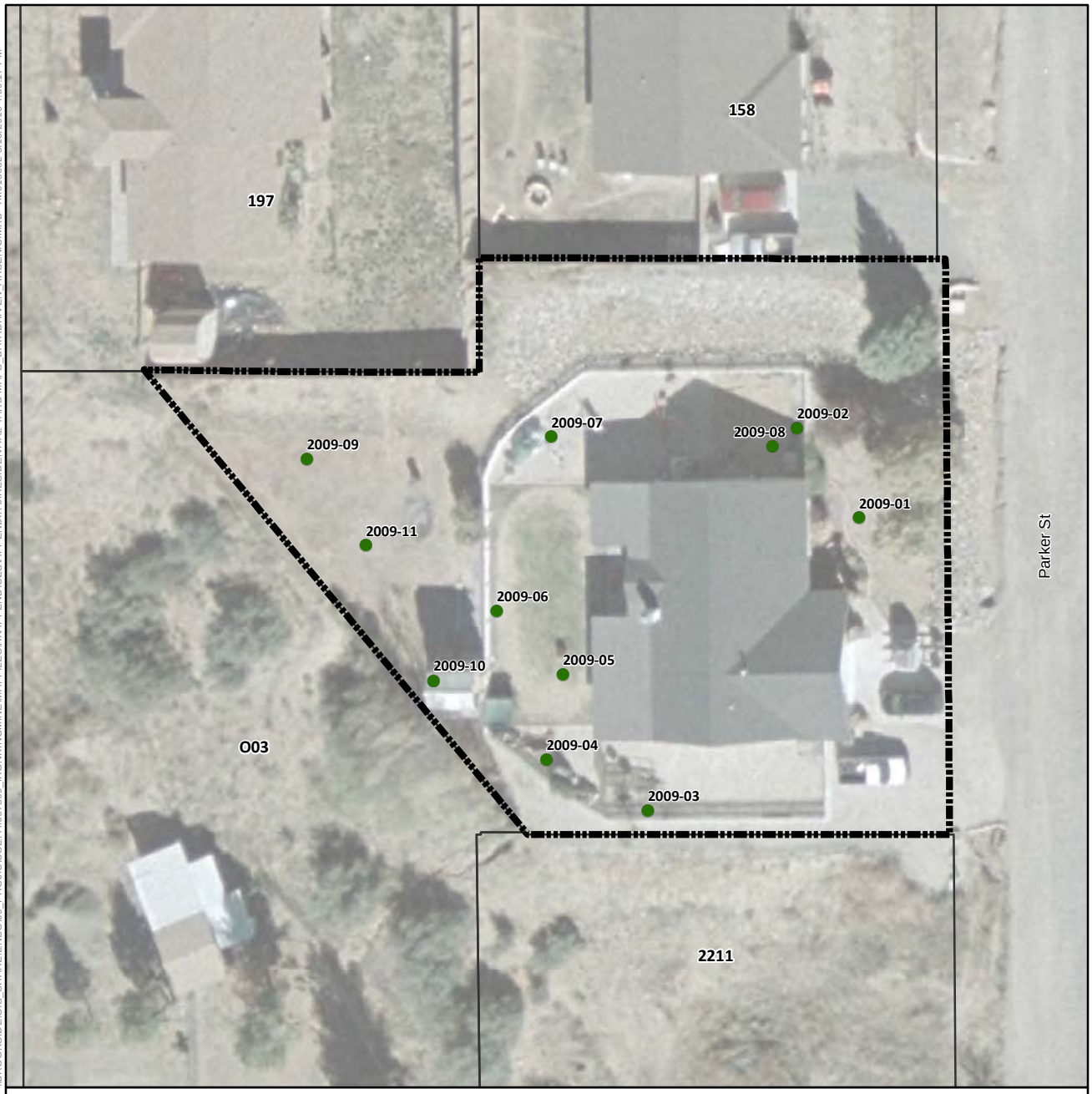


0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2205 (Page 259 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



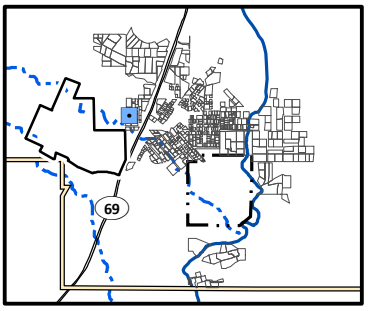
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

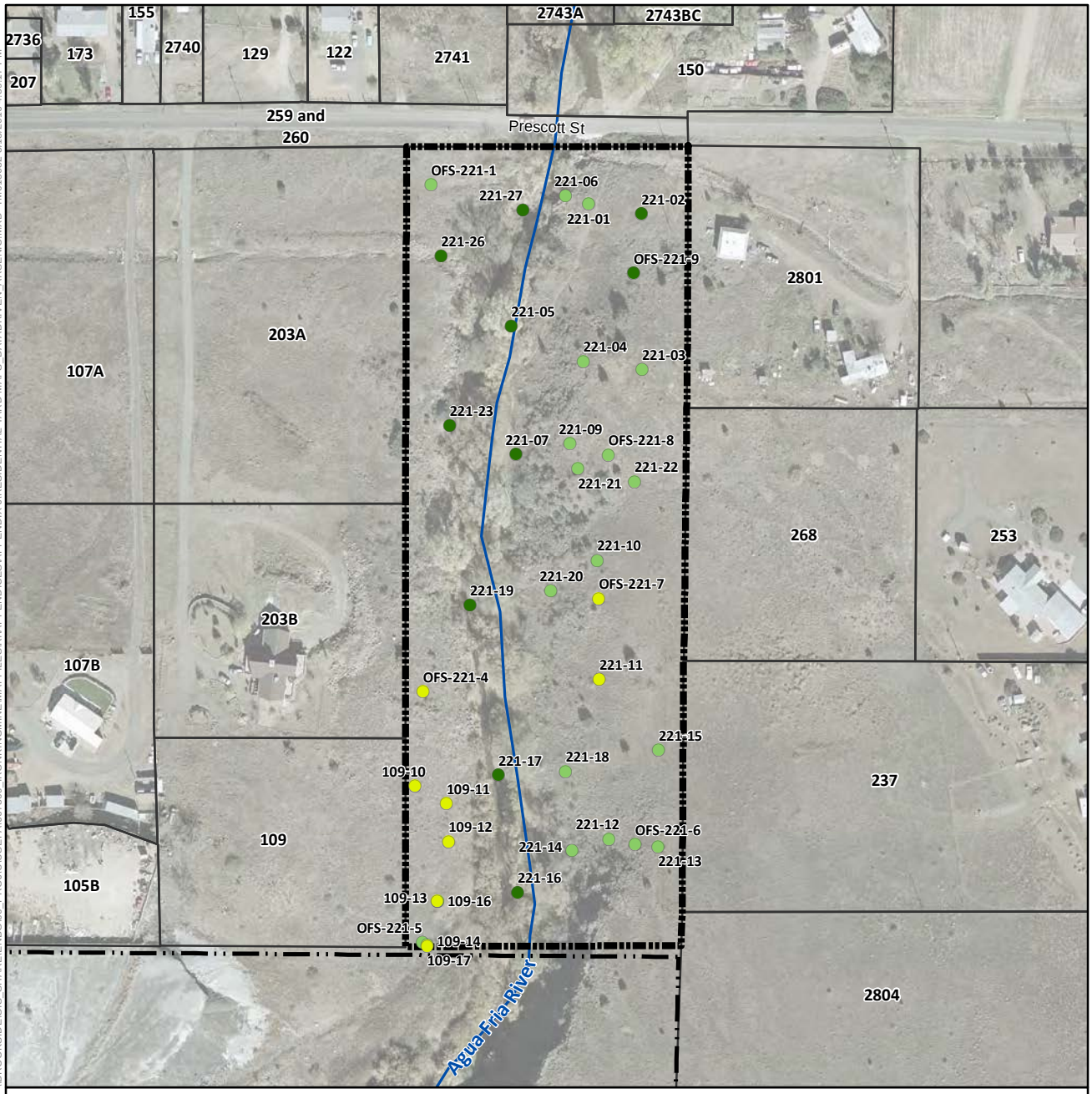


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2209 (Page 260 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

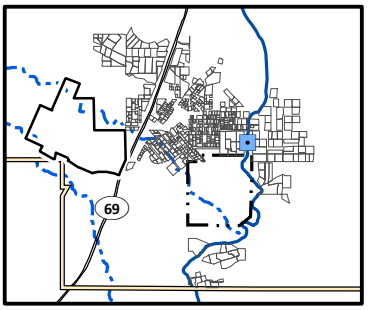


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

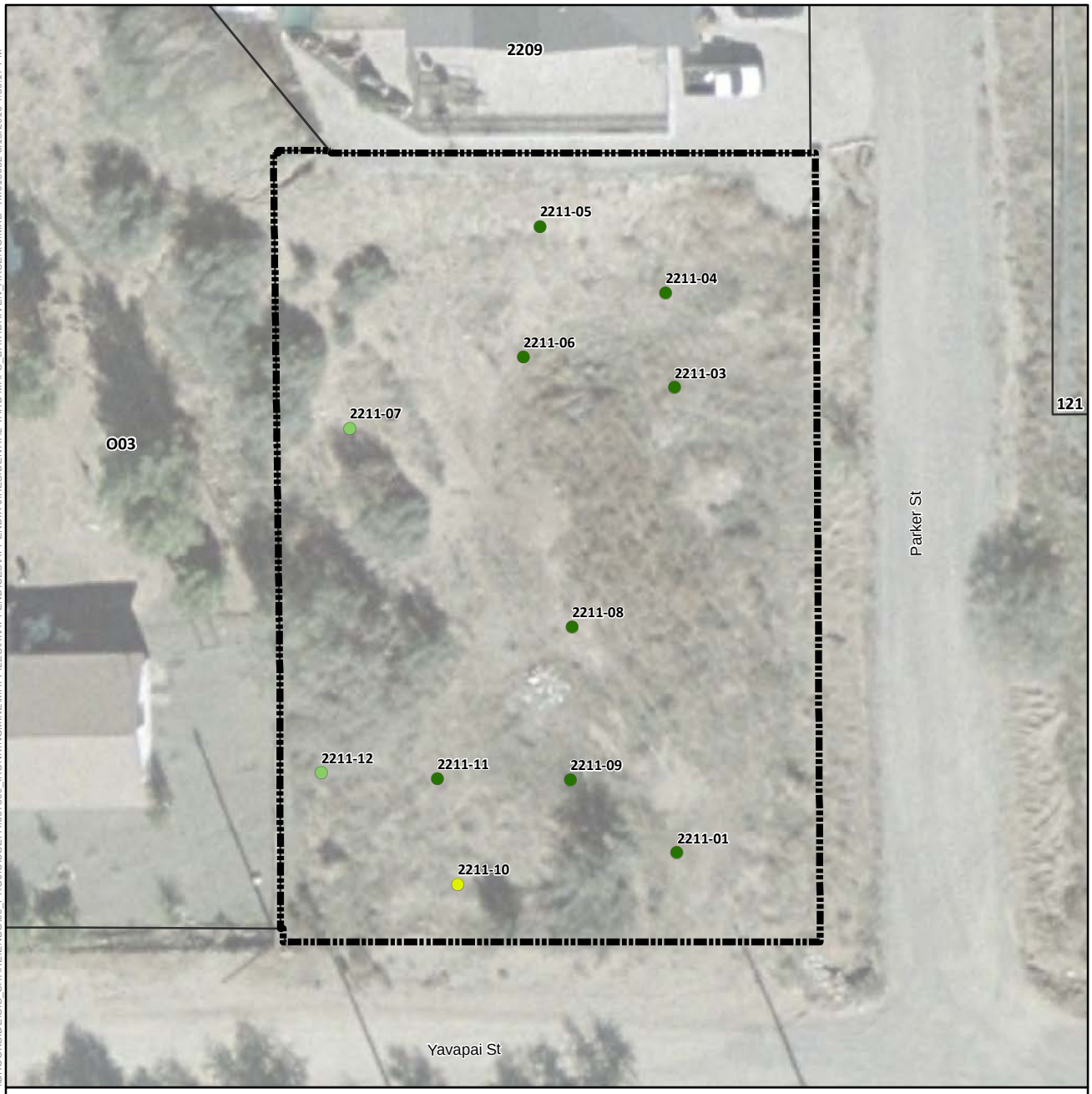


0 330
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 221 (Page 261 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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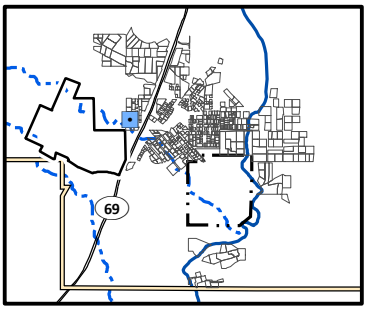
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

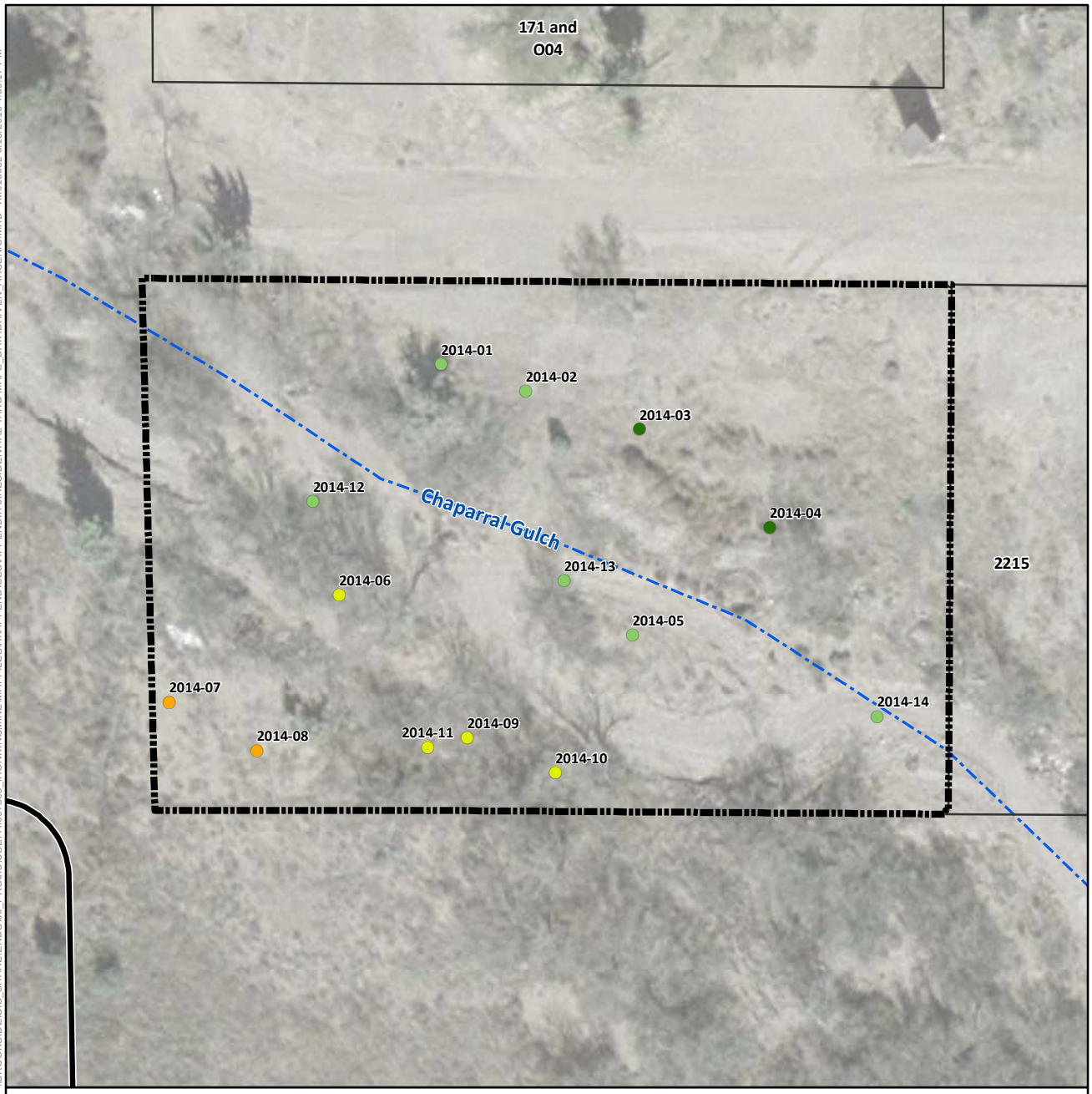


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2211 (Page 262 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



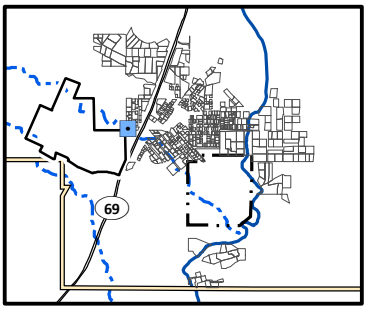
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

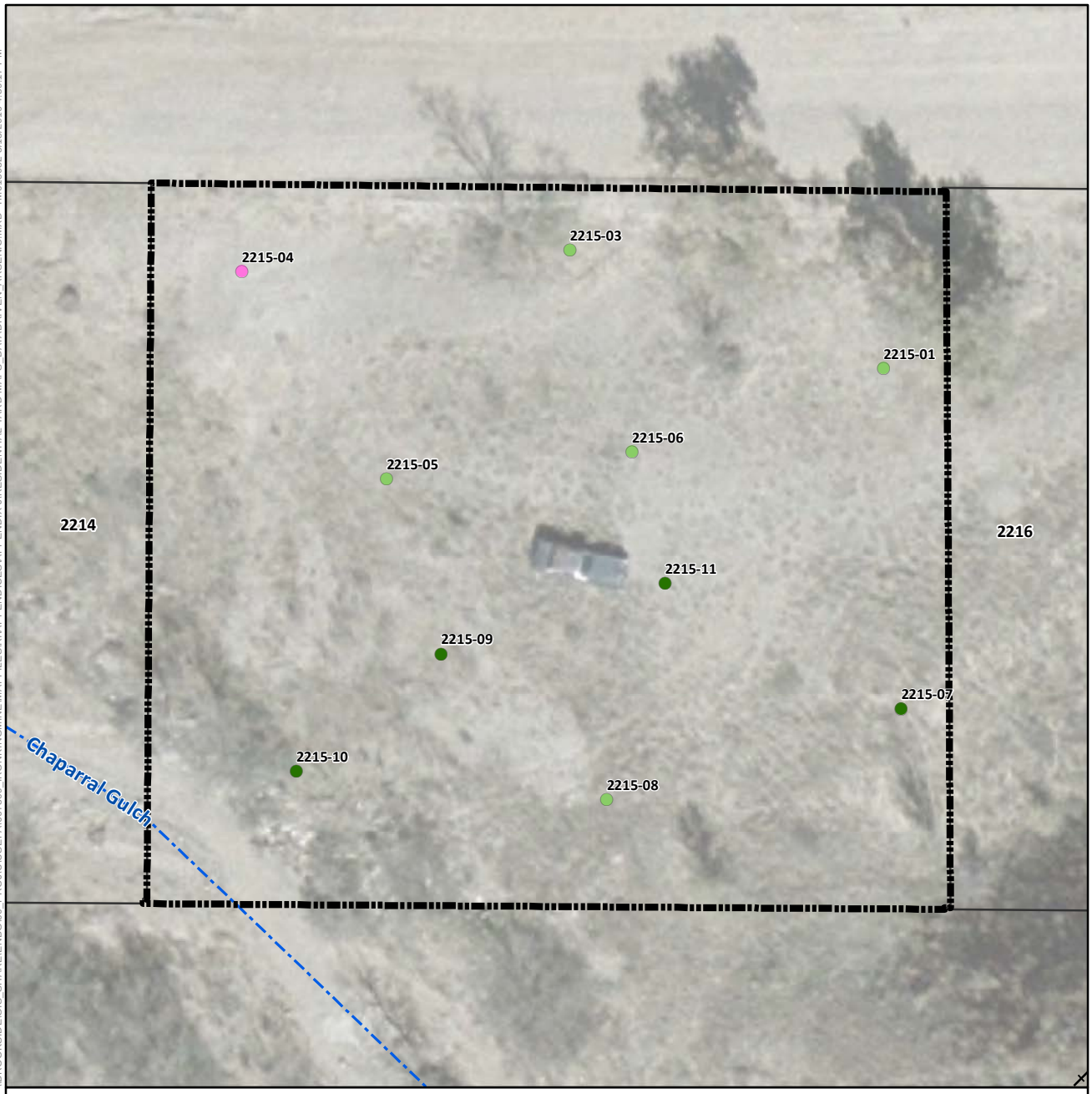


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2214 (Page 263 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



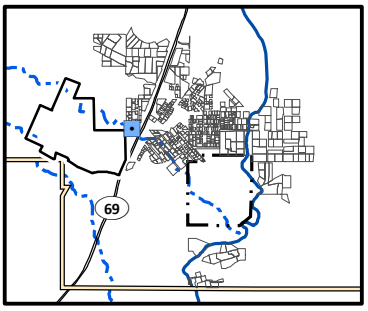
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

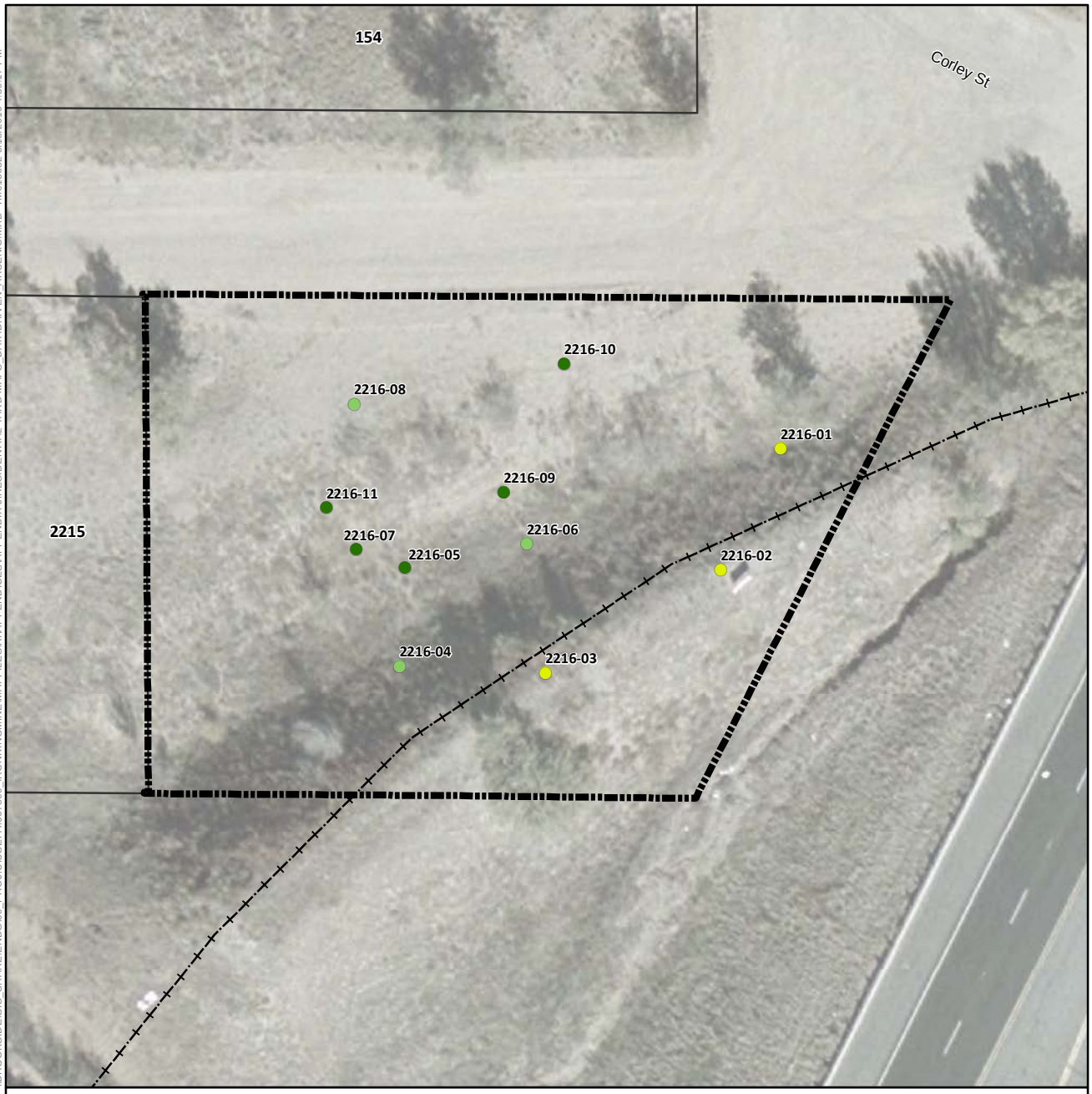


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2215 (Page 264 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



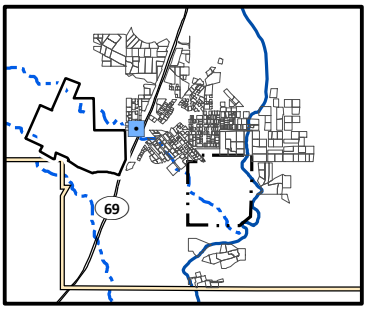
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

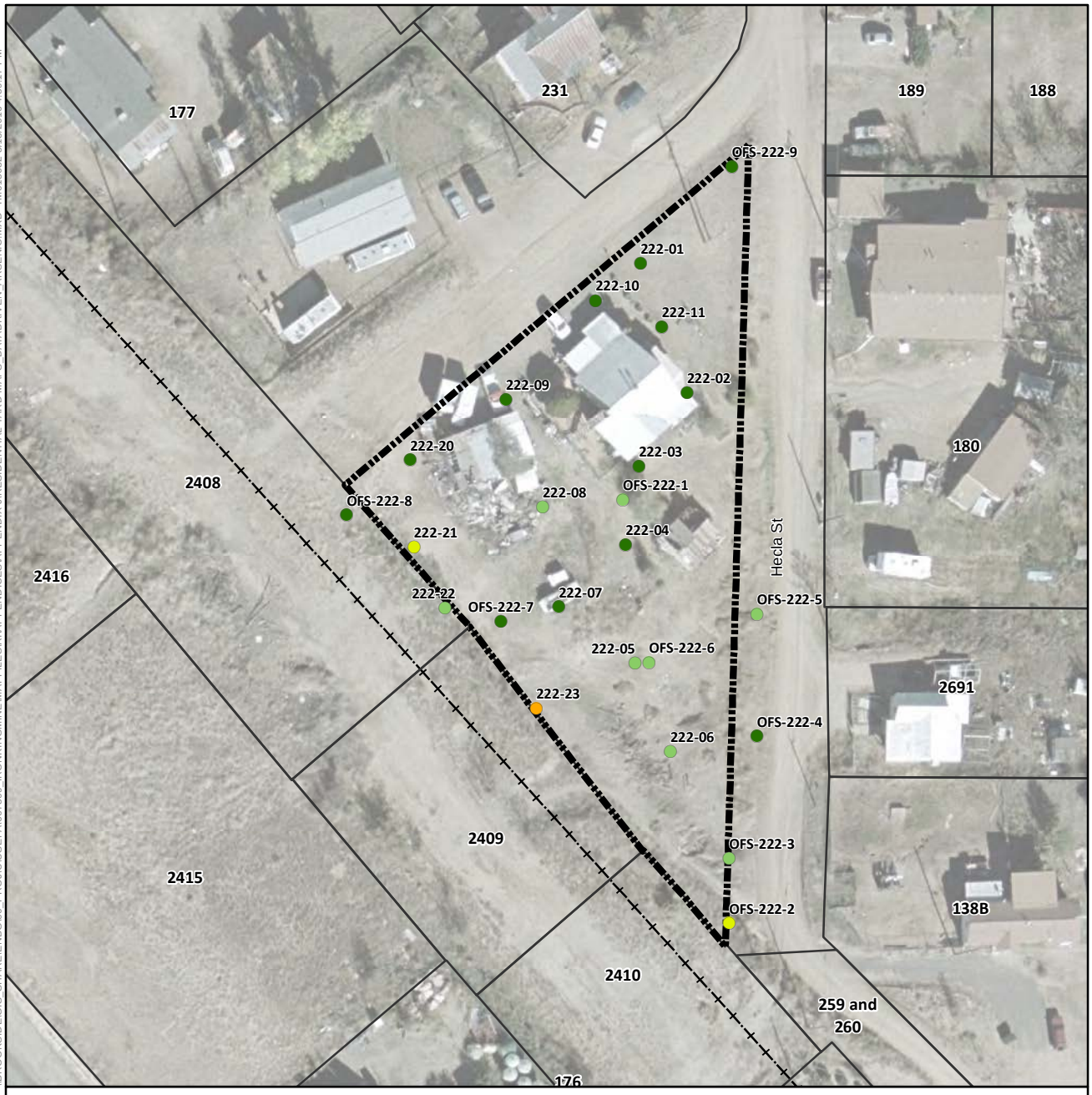
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2216 (Page 265 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



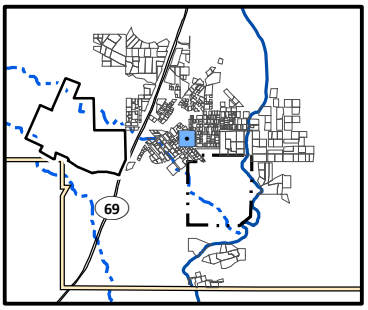
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

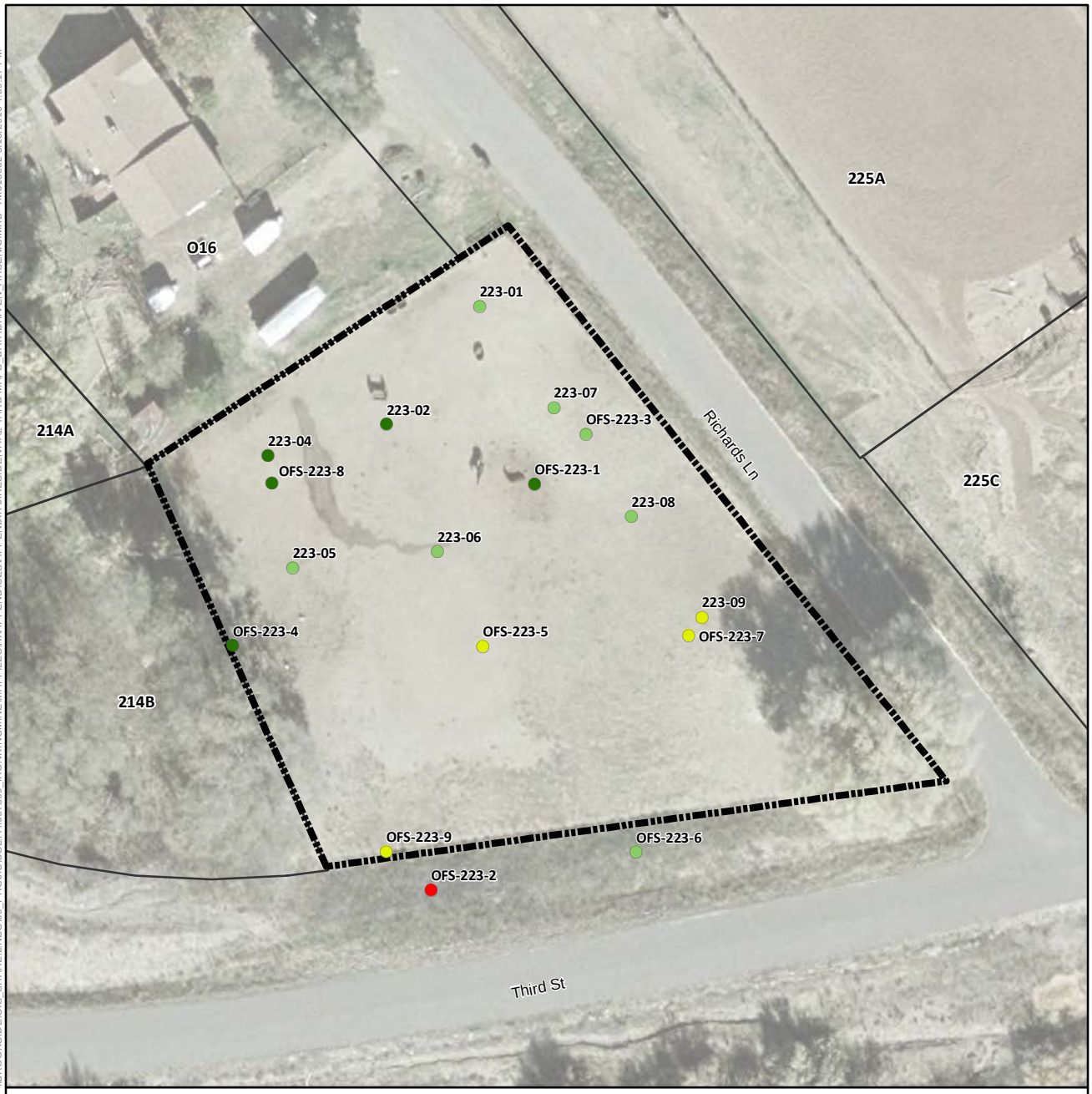


0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 222 (Page 266 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



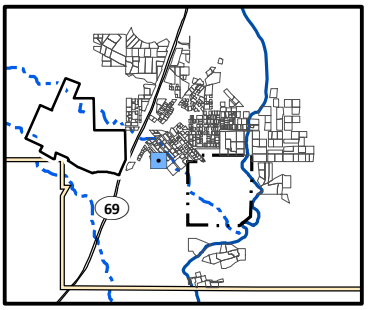
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

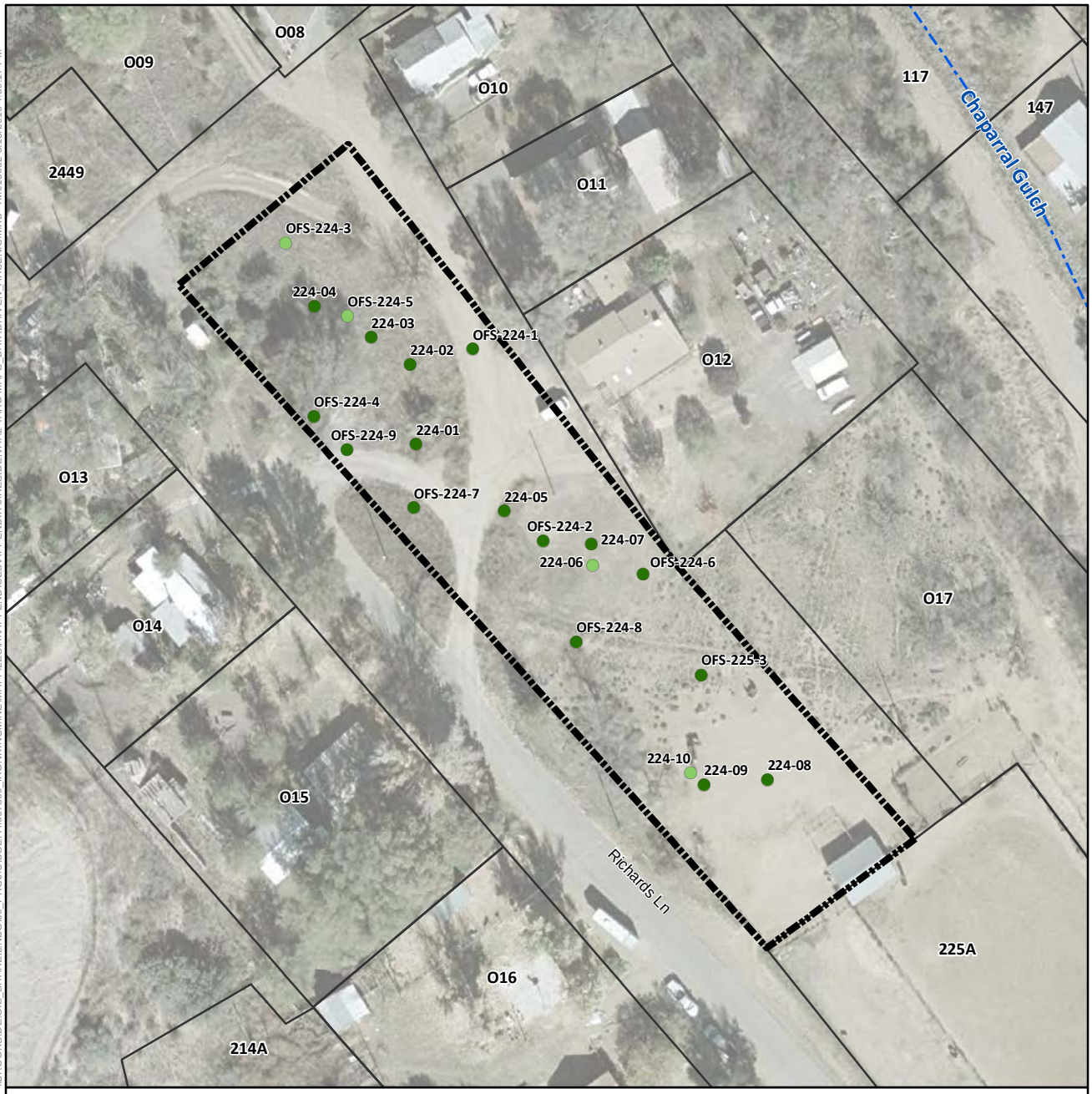
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 223 (Page 267 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



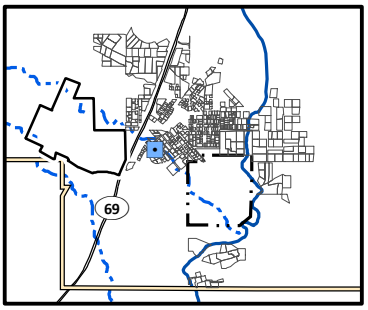
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

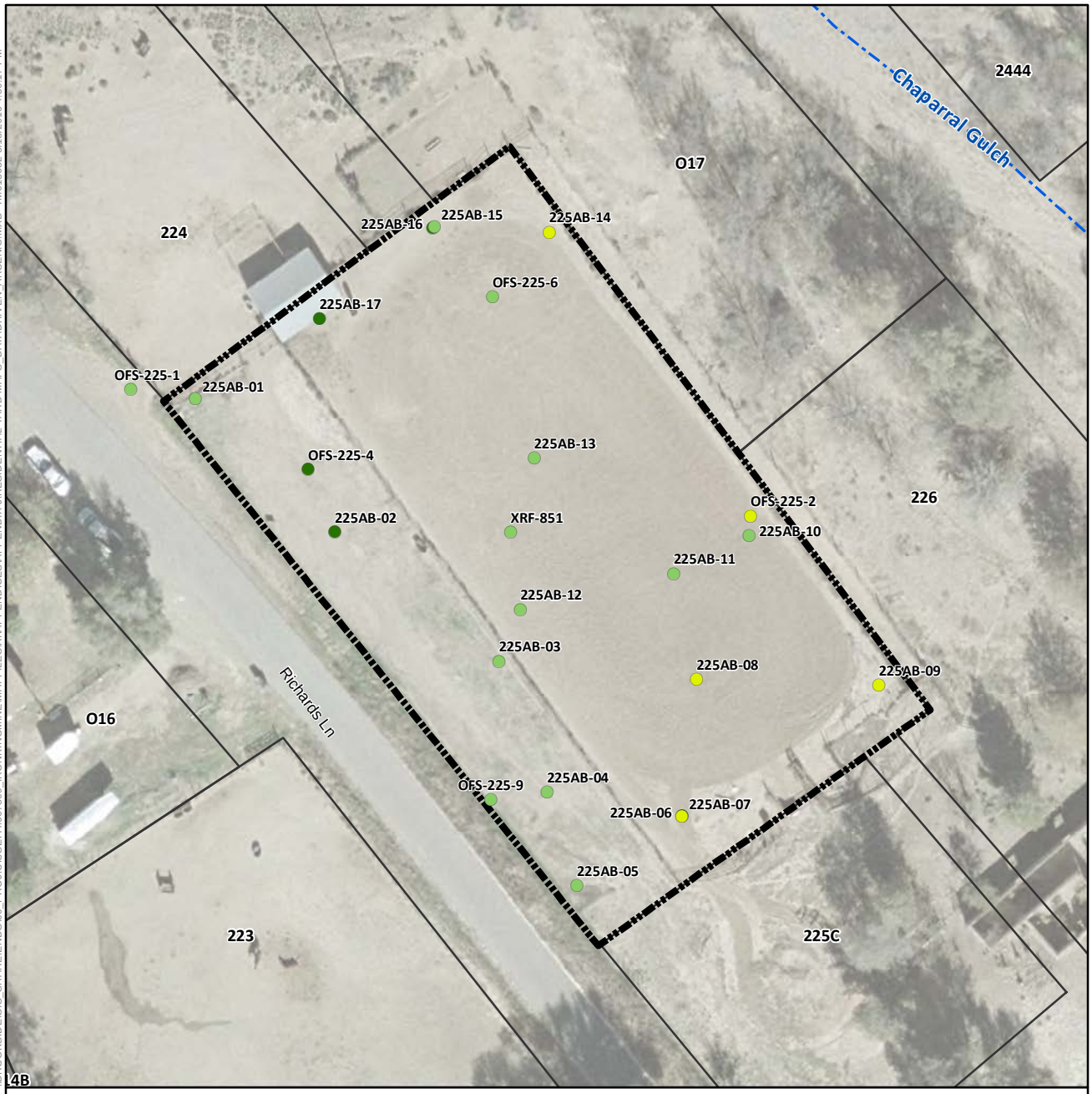
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 224 (Page 268 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

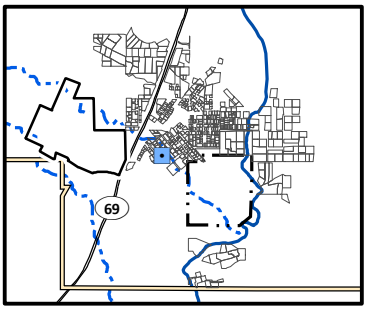


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

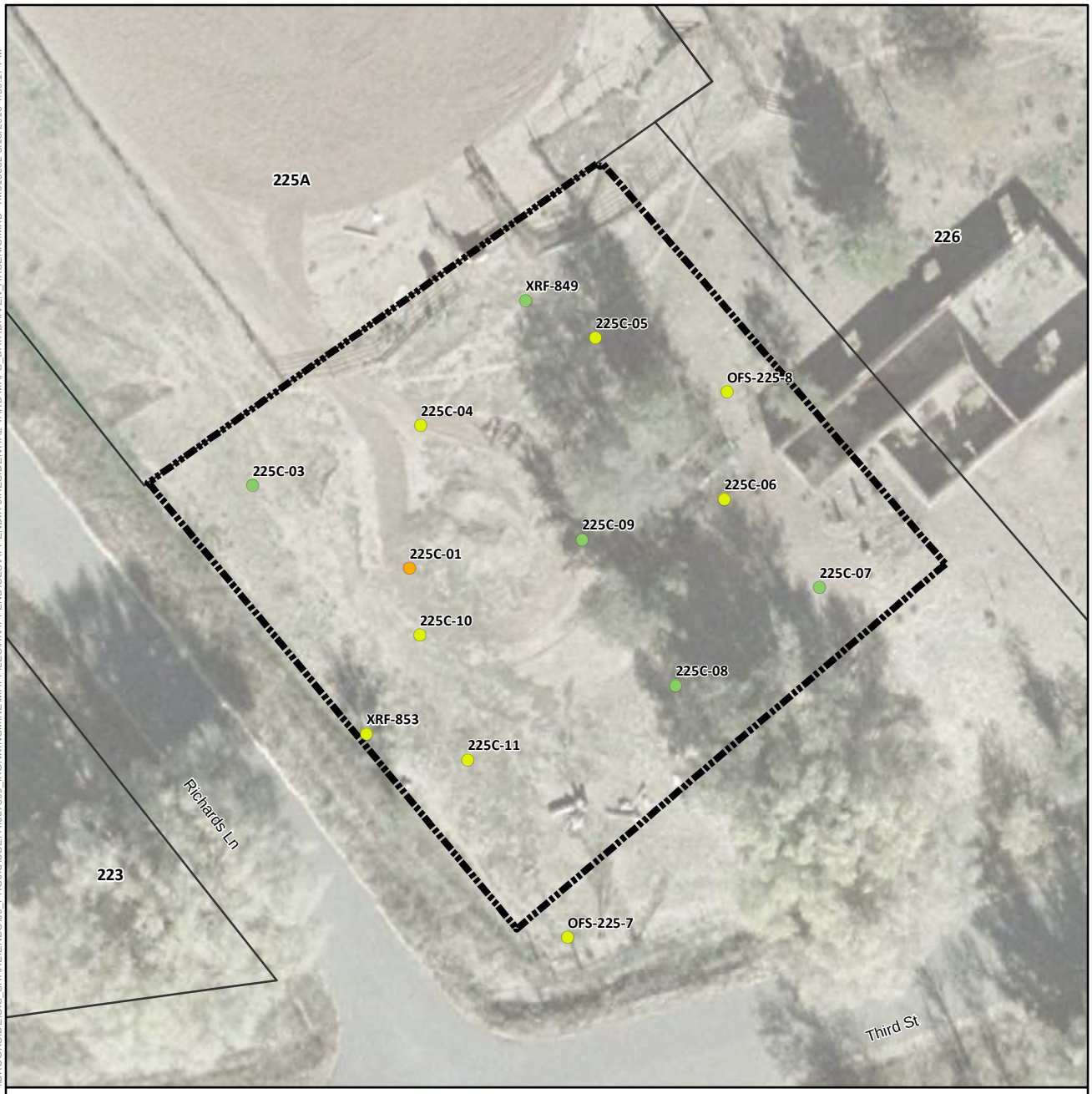


0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 225A (Page 269 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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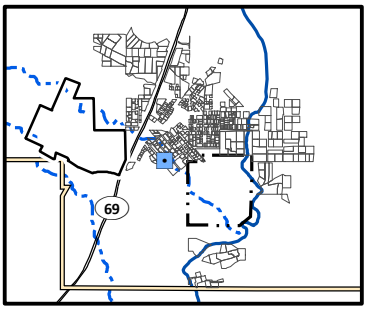
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

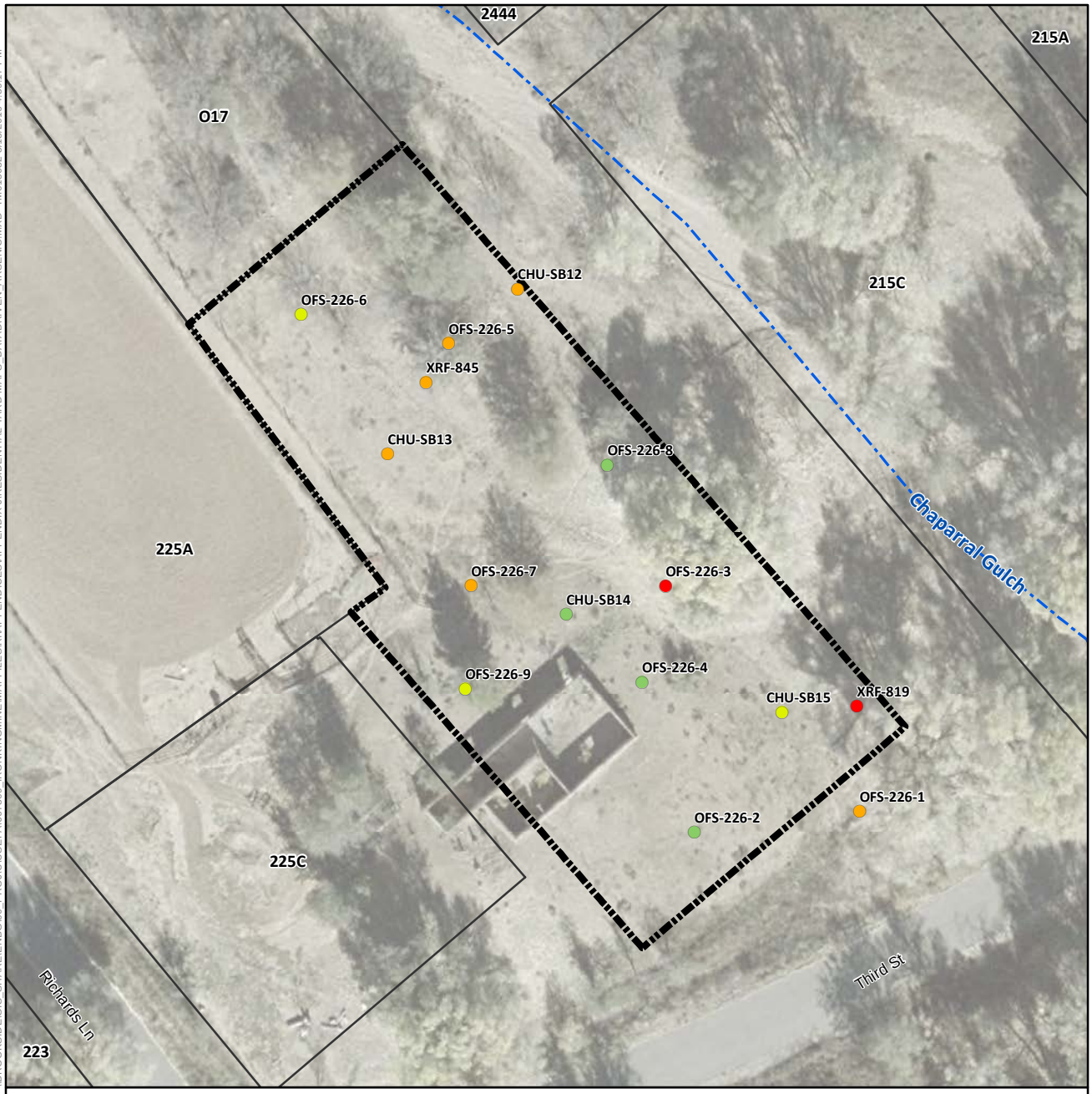


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 225C (Page 270 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



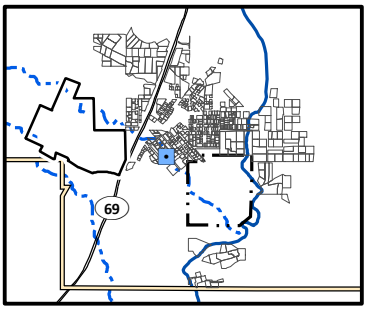
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

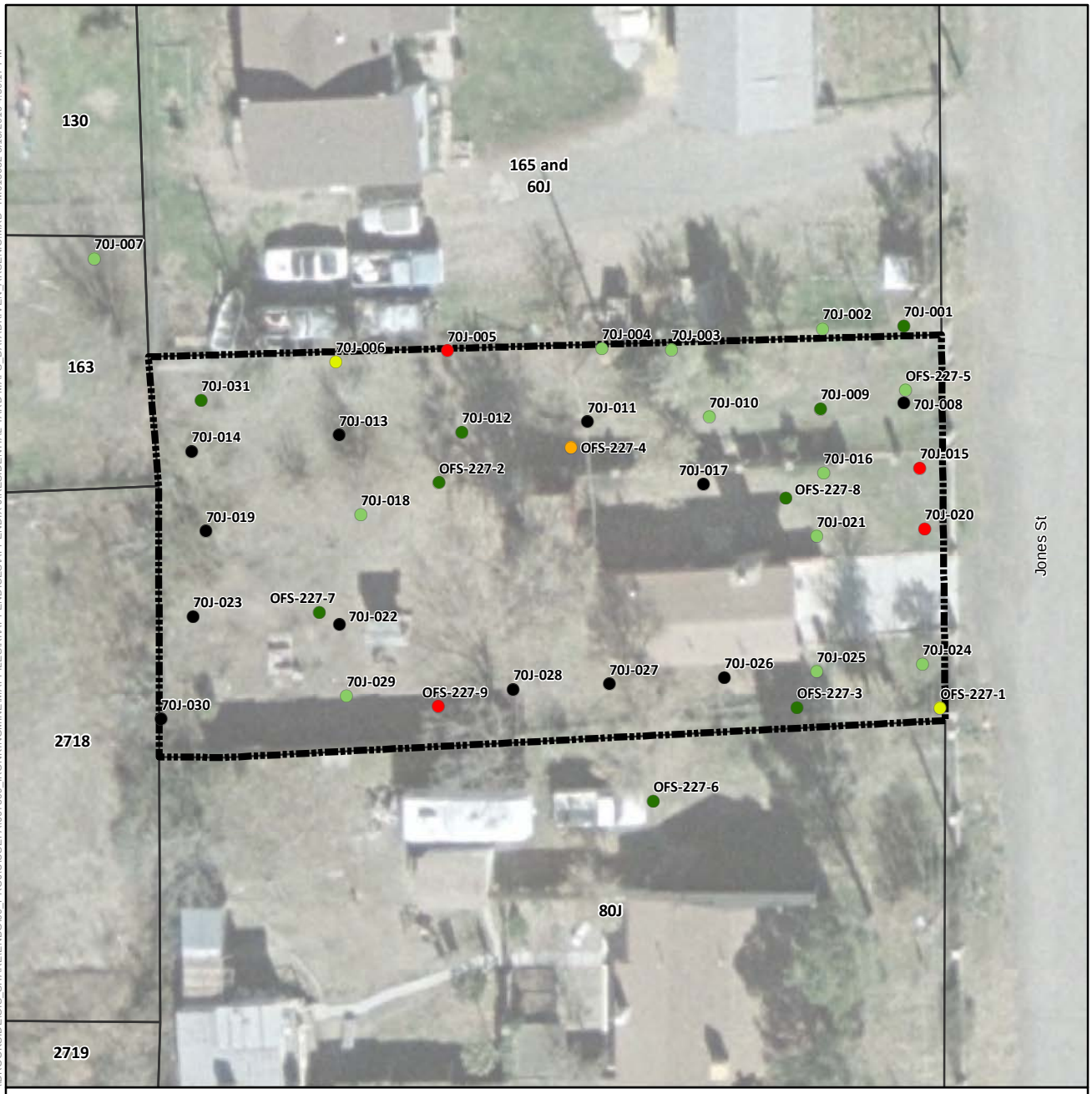
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 226 (Page 271 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

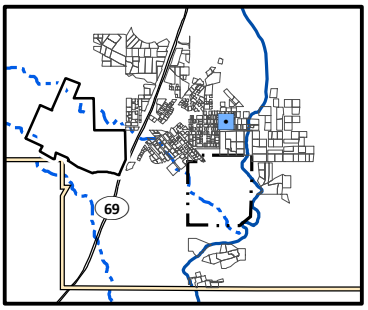


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 227 and 70J (Page 272 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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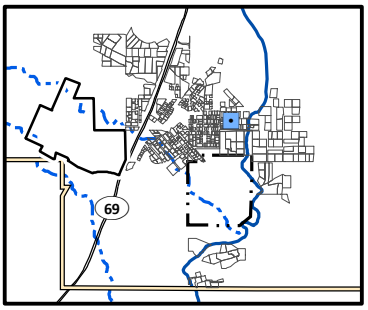


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

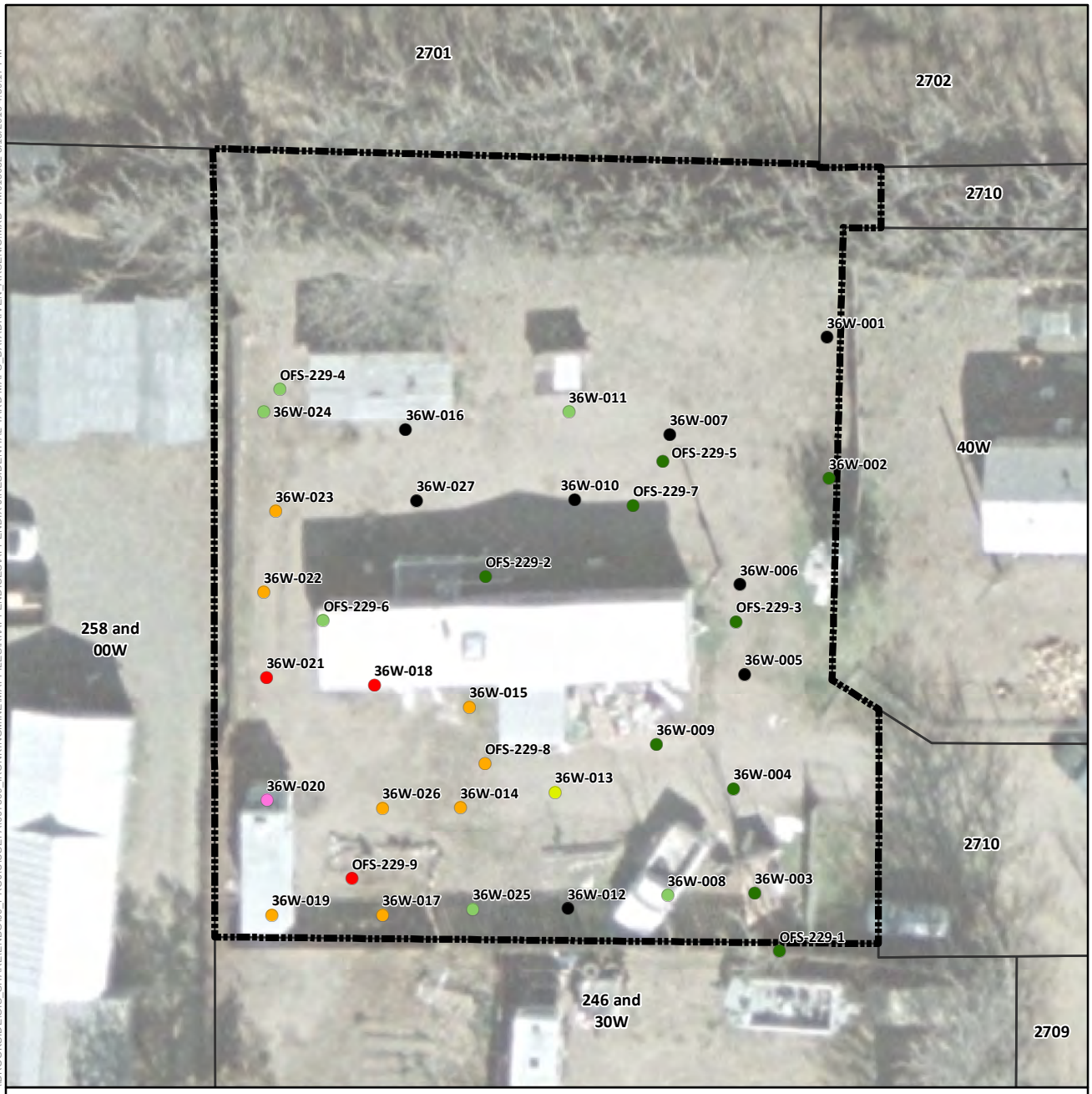


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 228 and 55J (Page 273 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



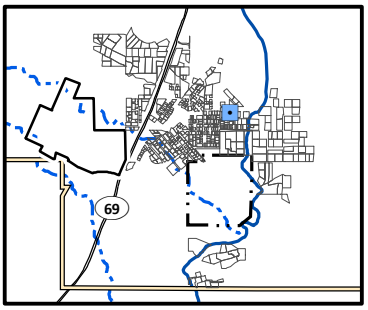
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 229 and 36W (Page 274 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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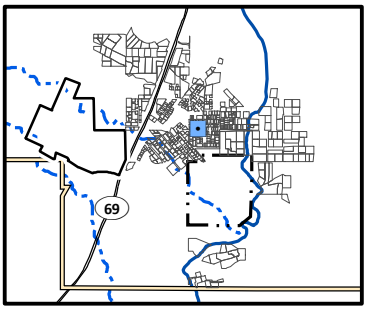


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 230 (Page 275 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJU\USEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

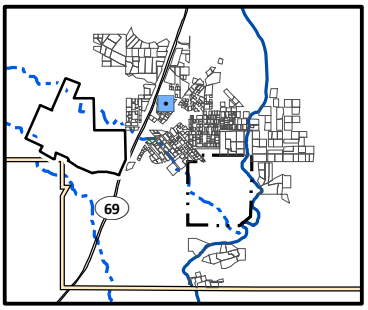


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2304 (Page 276 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



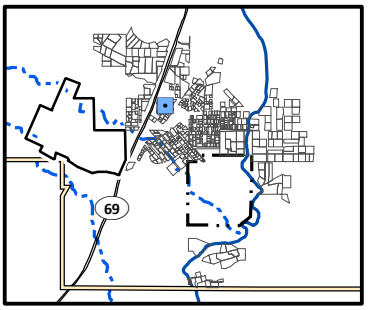
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

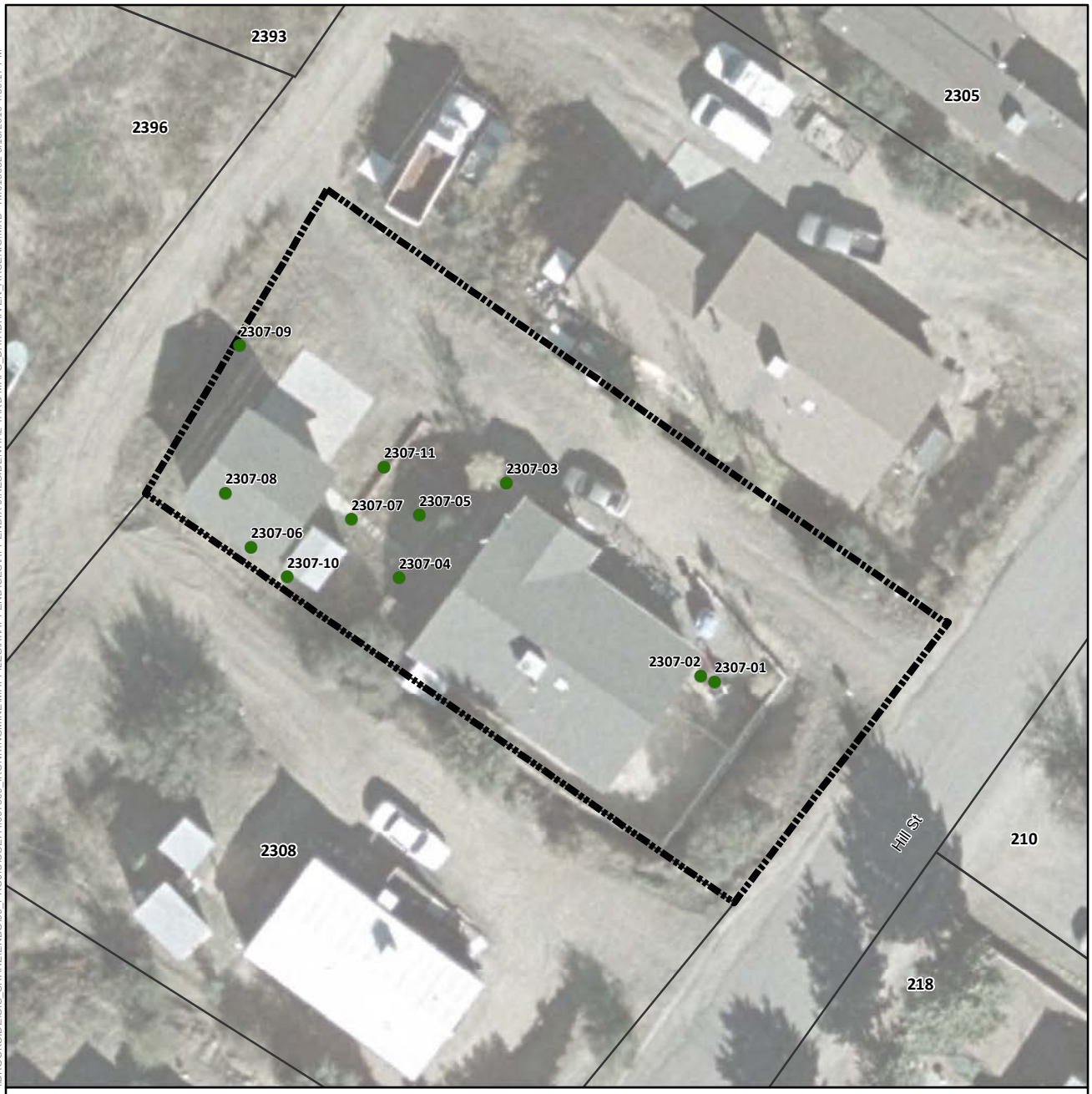


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2305 (Page 277 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



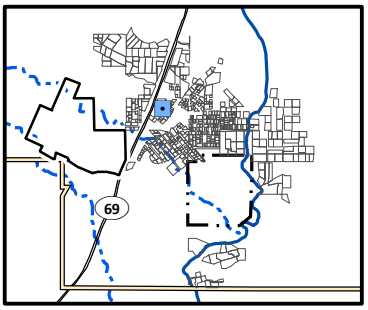
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2307 (Page 278 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



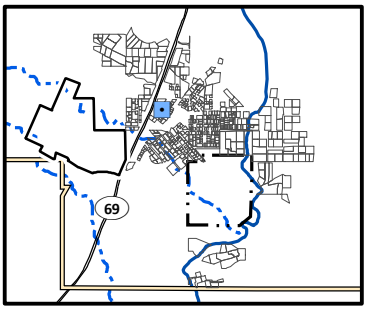
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2308 (Page 279 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



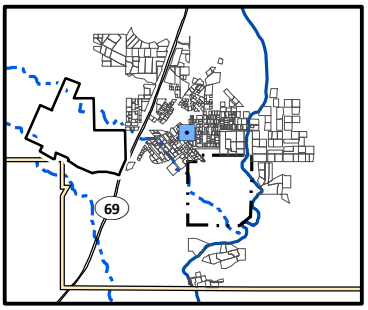
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 231 (Page 280 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



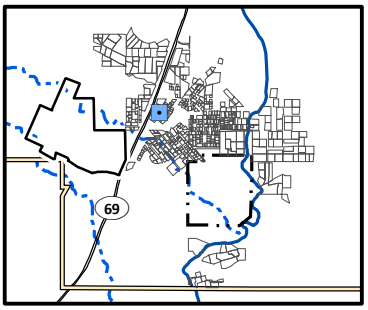
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2310 (Page 281 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



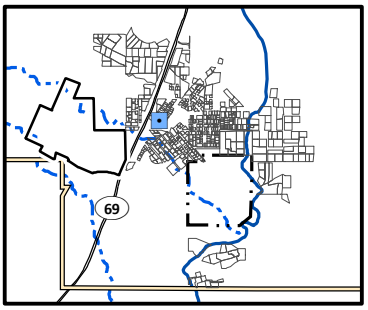
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

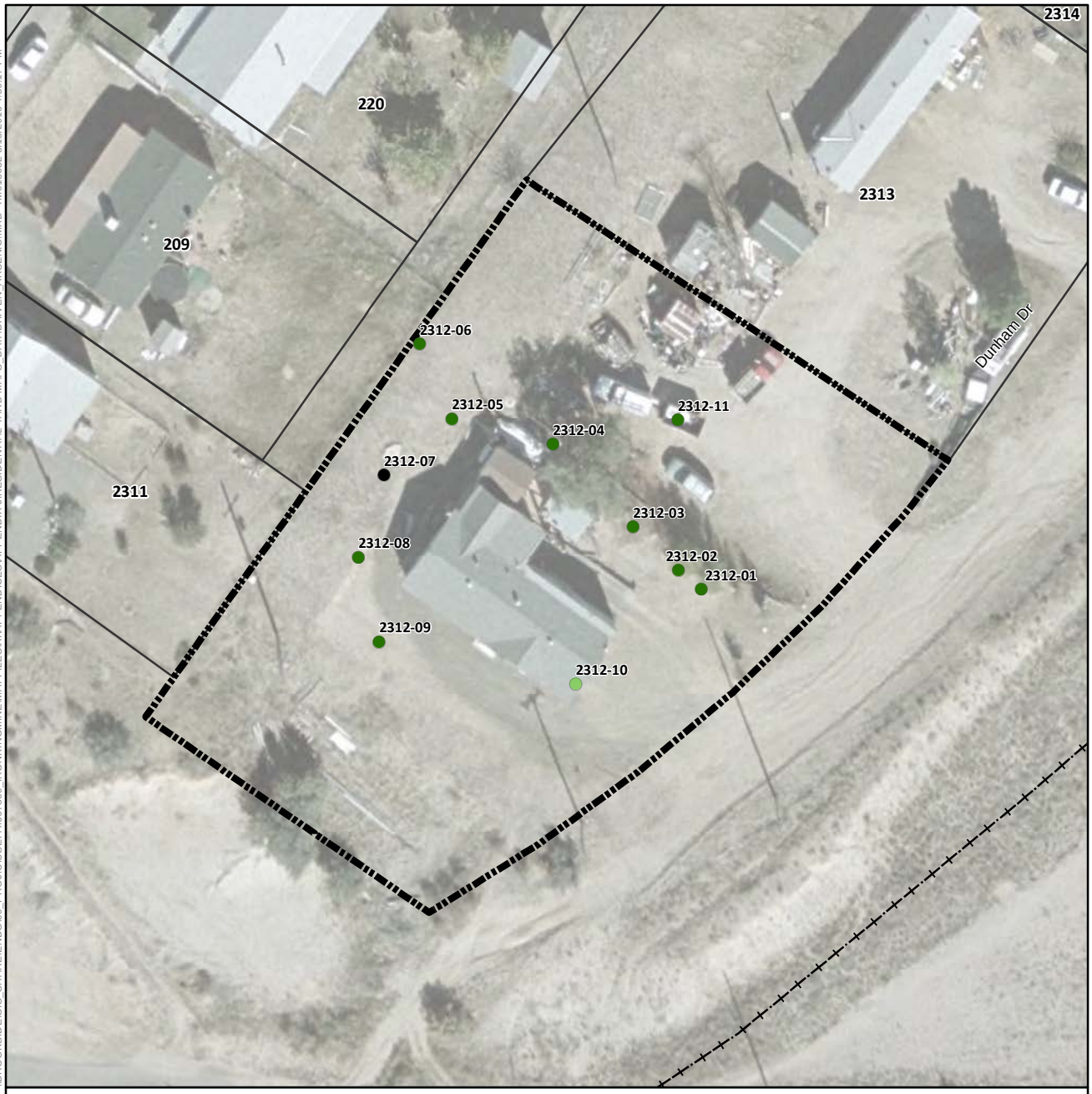


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2311 (Page 282 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



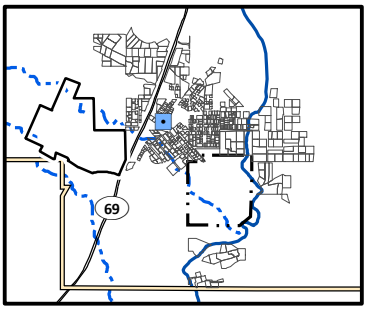
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2312 (Page 283 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



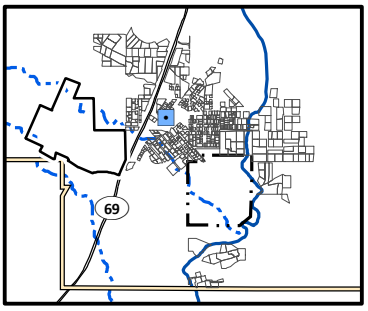
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2313 (Page 284 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



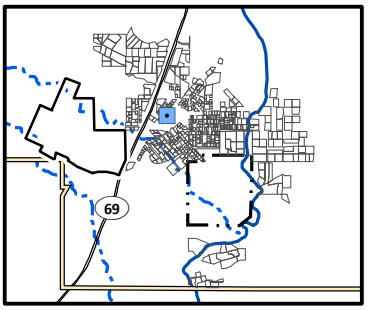
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2314 (Page 285 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



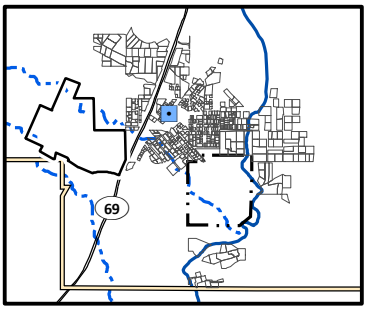
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2315 (Page 286 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



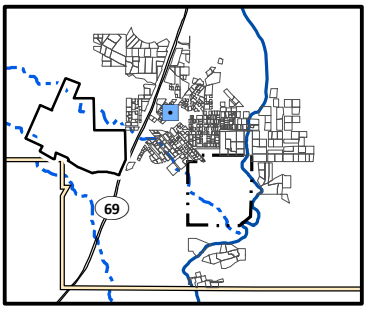
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2316 (Page 287 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



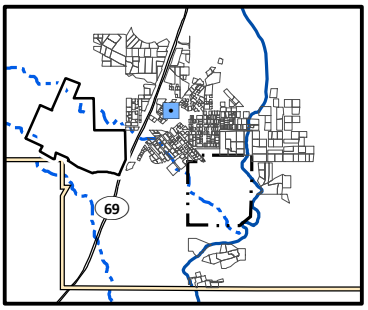
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2317 (Page 288 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



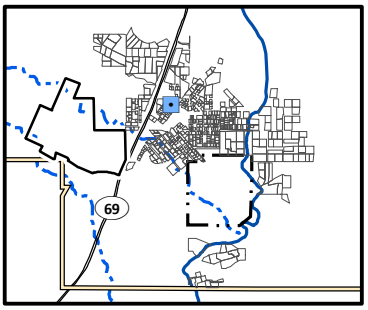
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2318 (Page 289 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



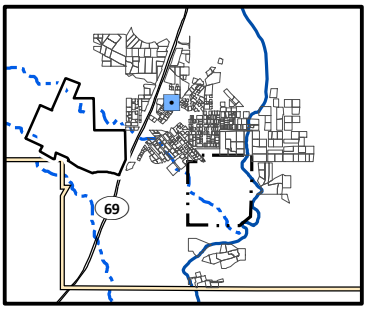
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2319A (Page 290 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



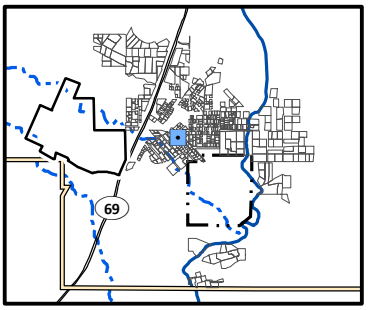
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 232 (Page 291 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



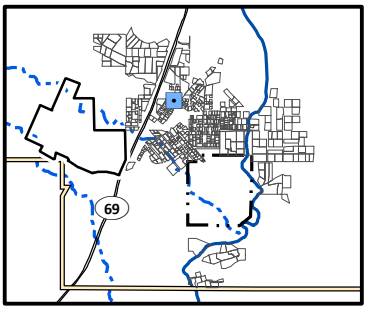
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

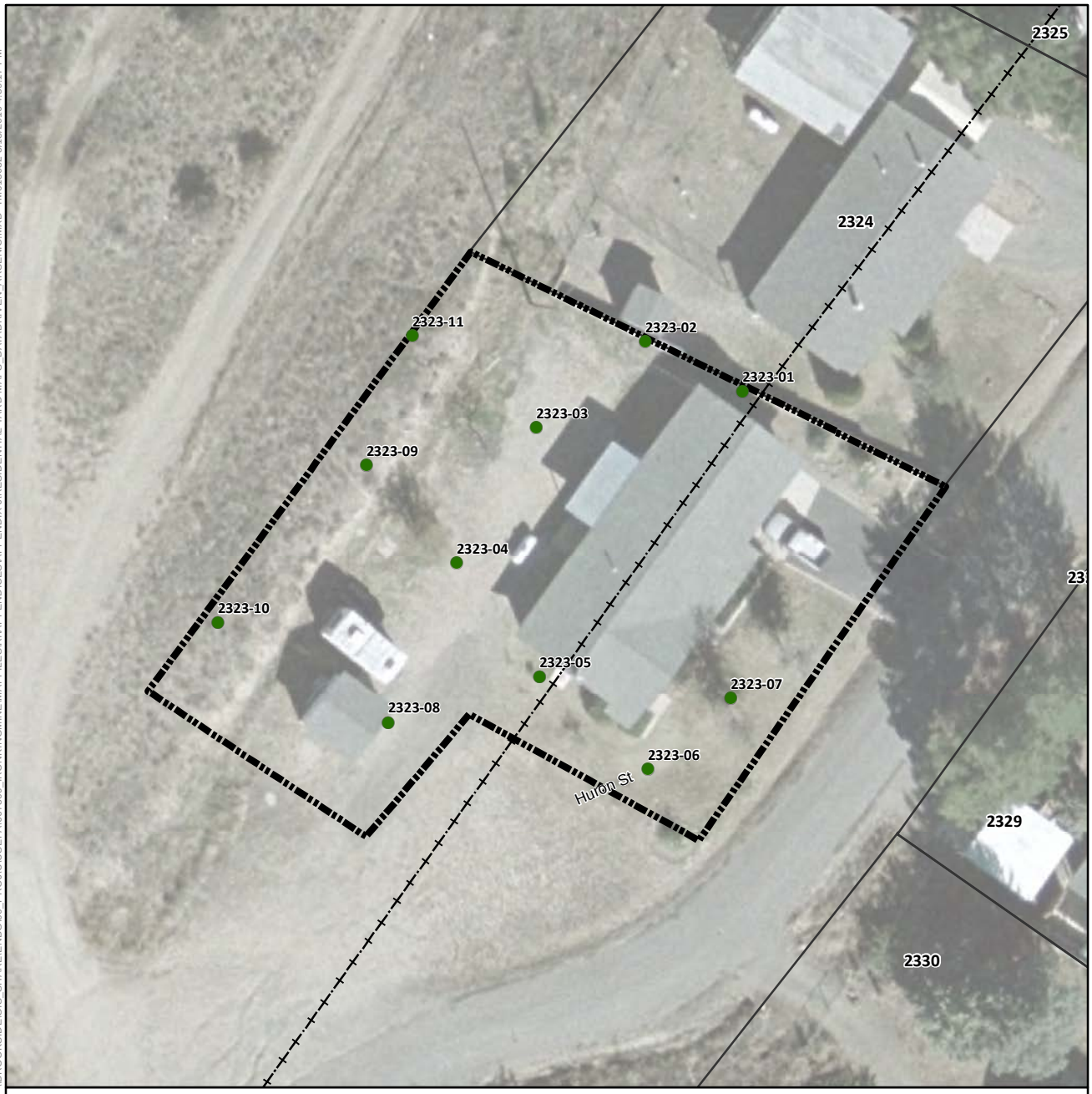


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2322 (Page 292 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



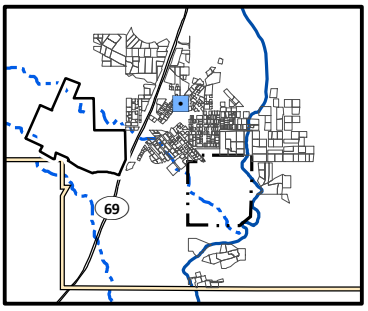
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

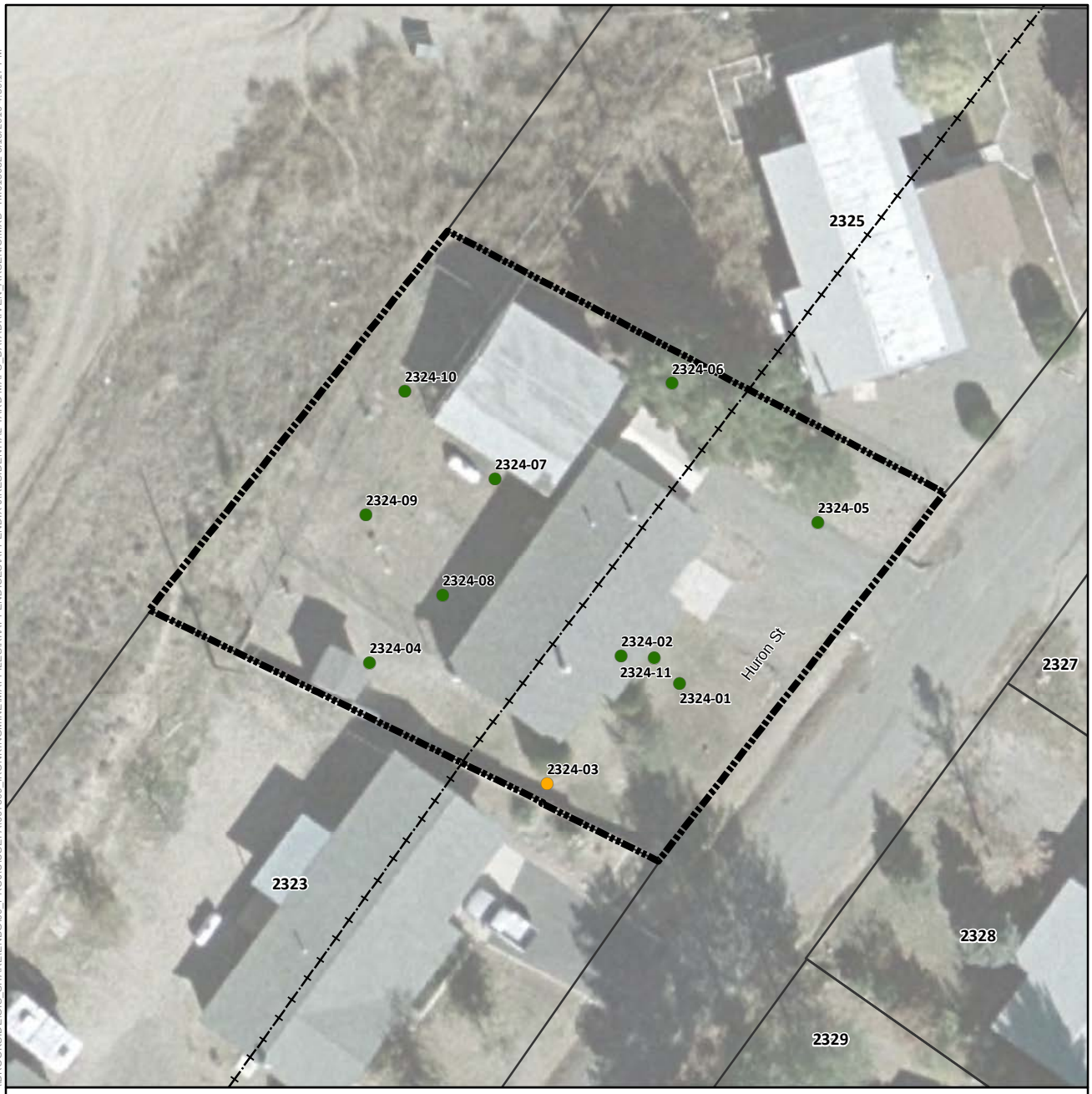


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2323 (Page 293 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

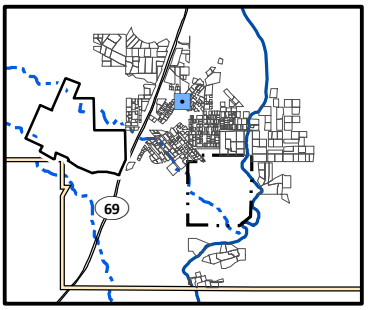


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



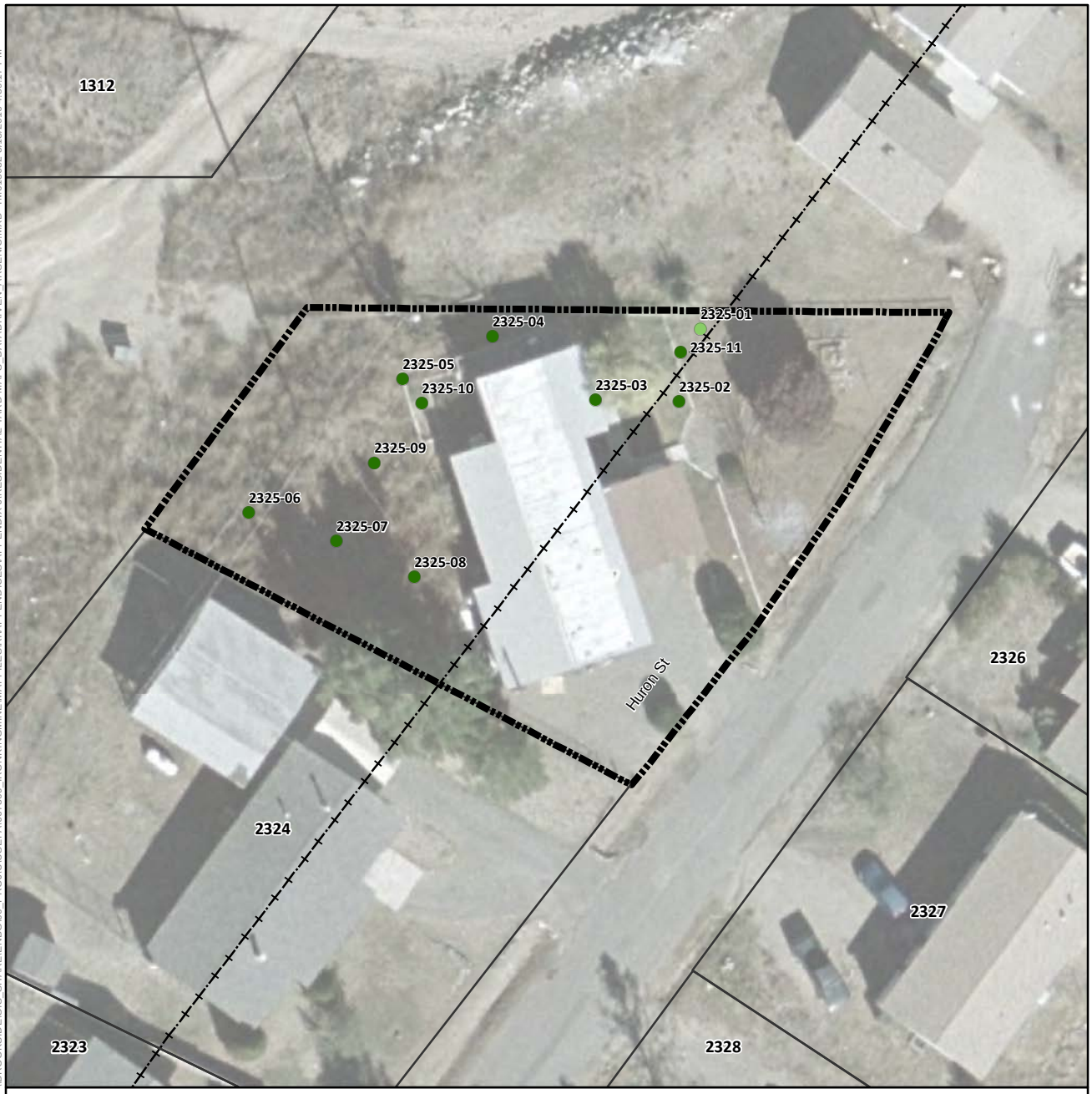
0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2324 (Page 294 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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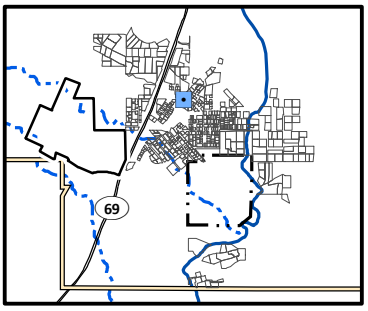
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

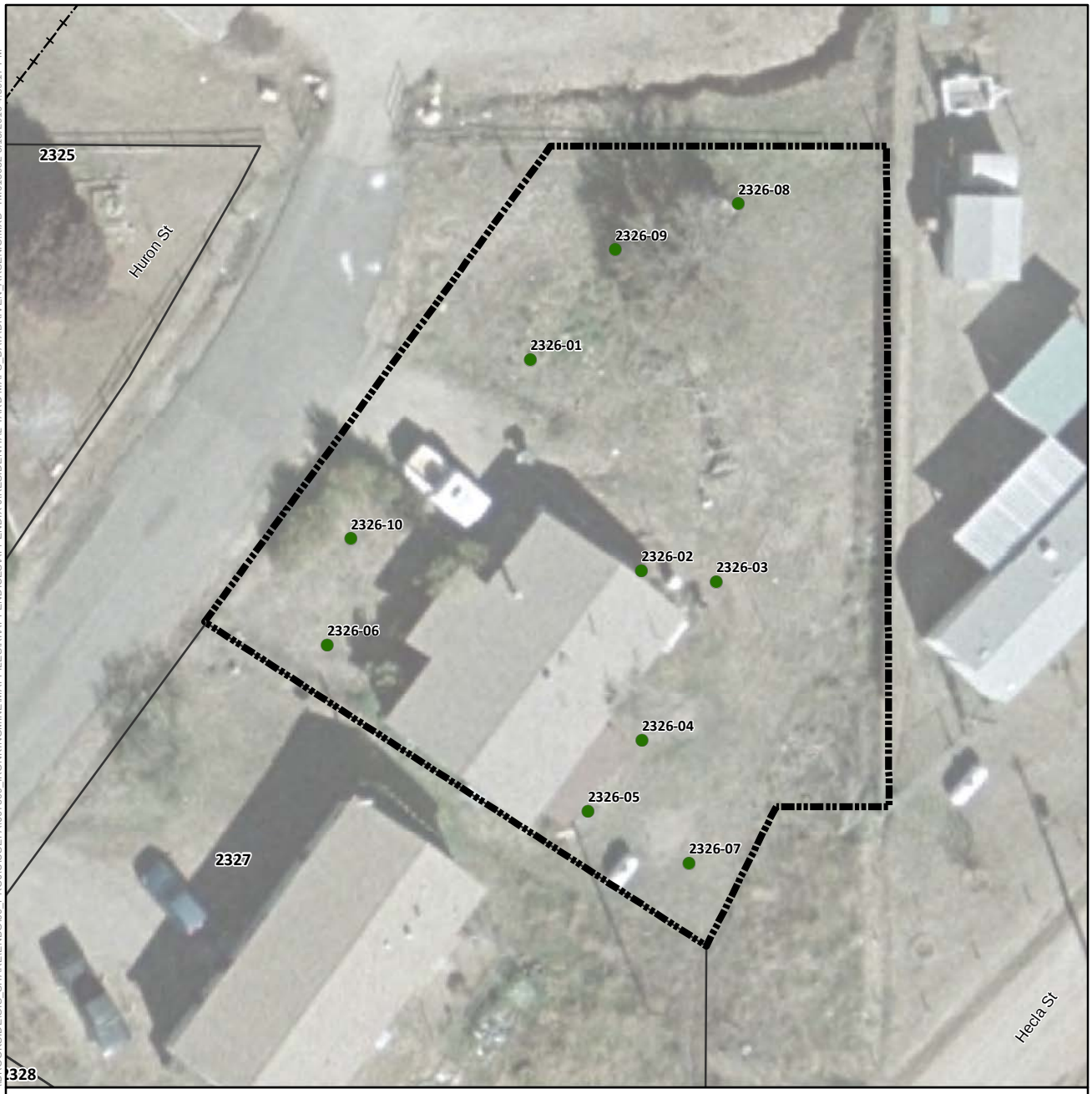


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2325 (Page 295 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



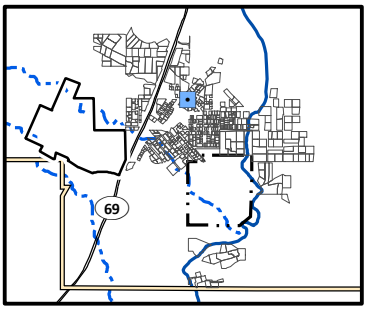
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

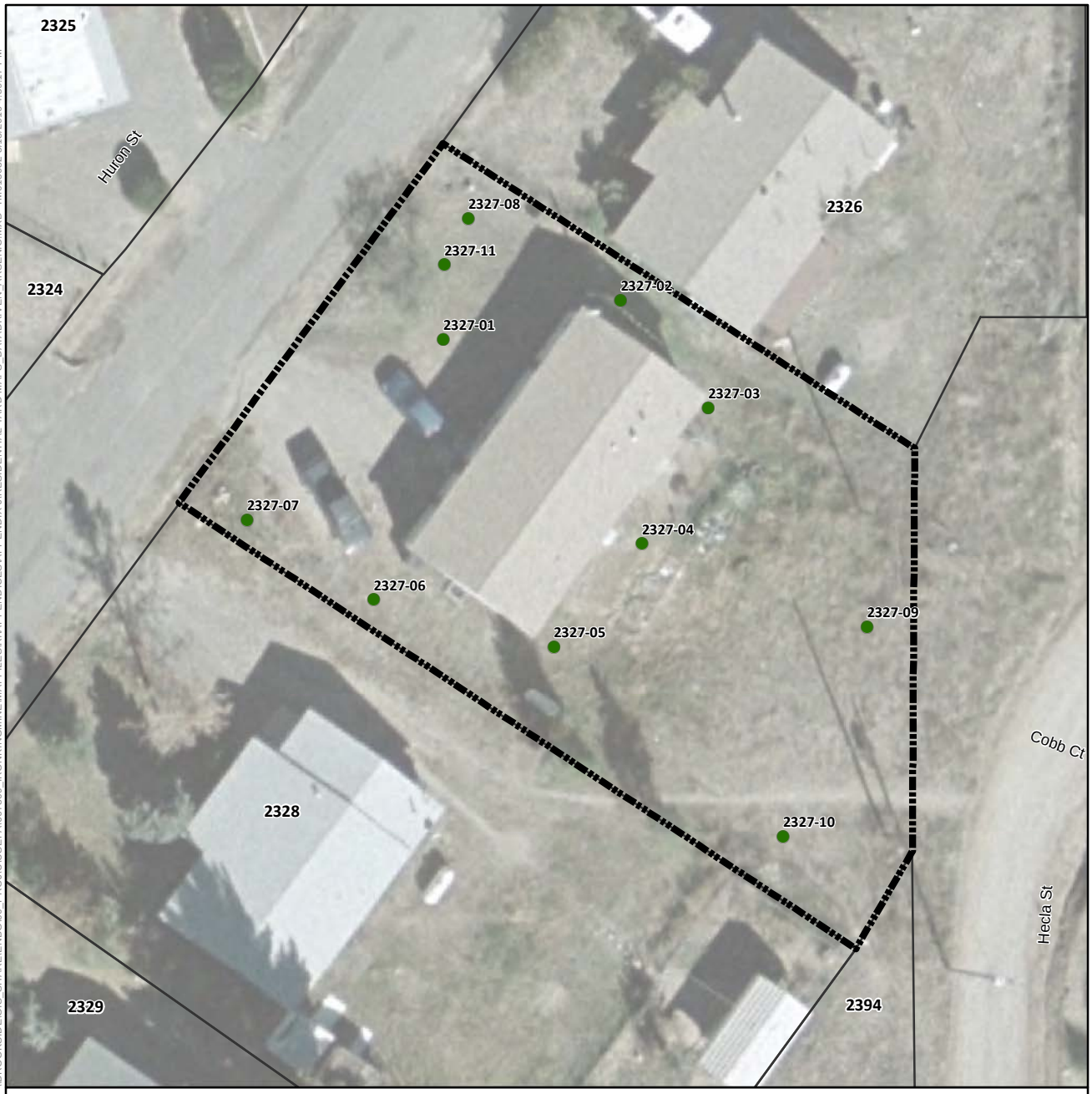


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2326 (Page 296 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



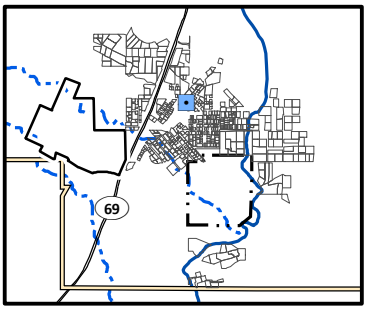
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2327 (Page 297 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



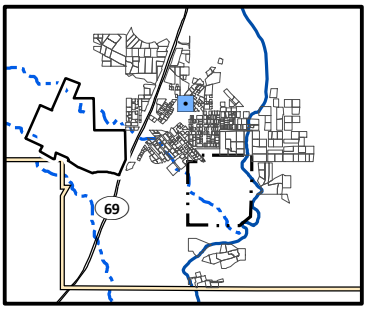
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2328 (Page 298 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



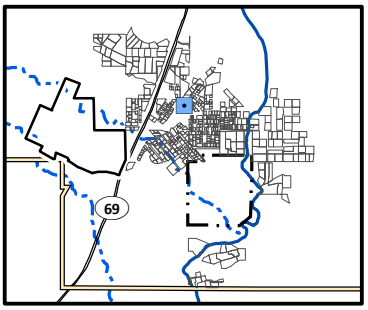
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

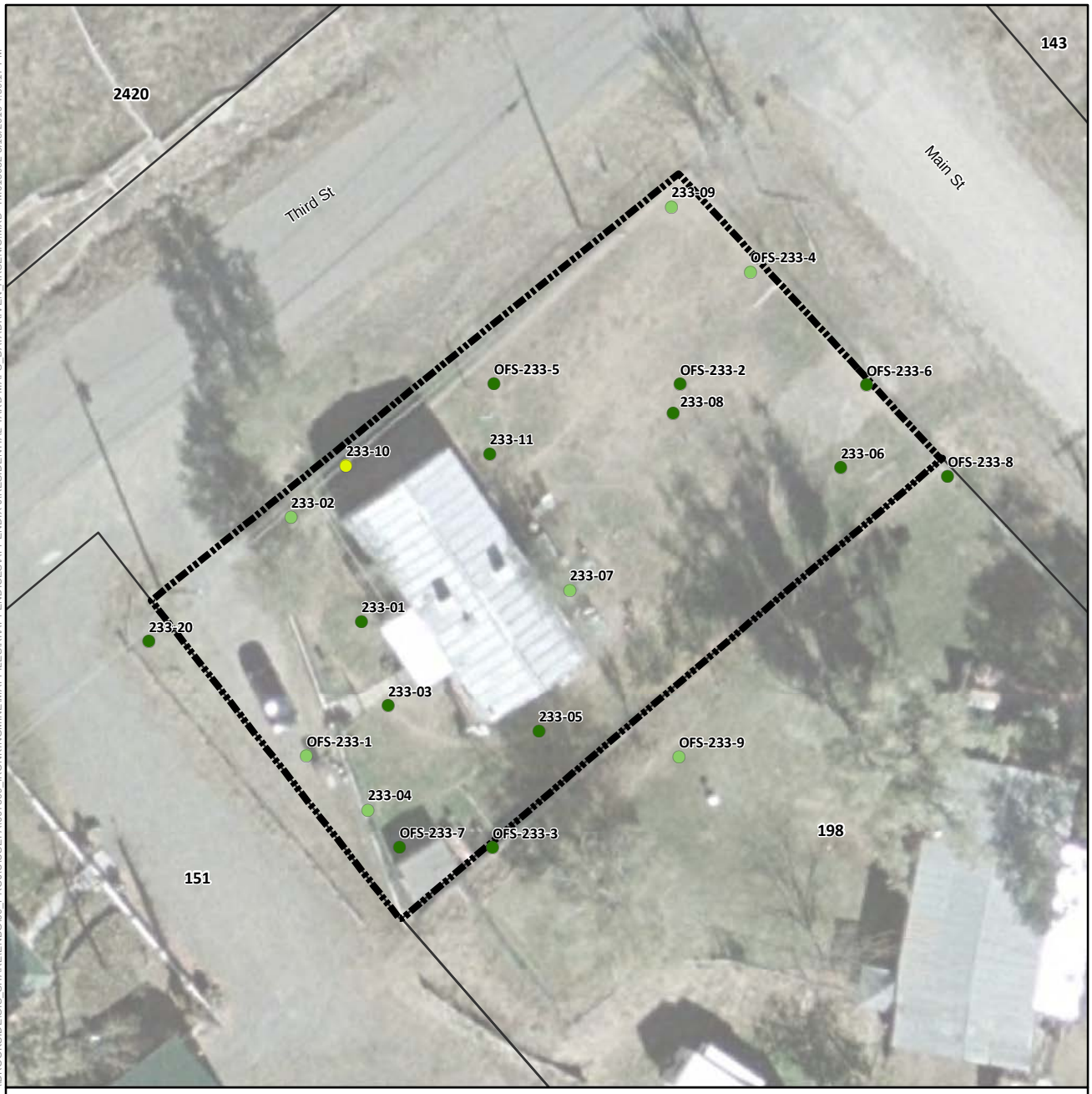


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2329 (Page 299 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



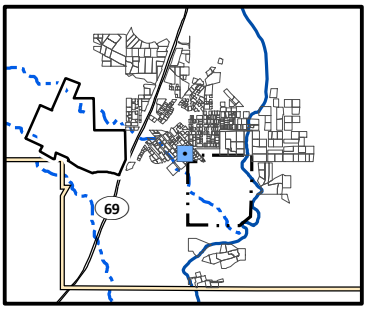
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 233 (Page 300 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



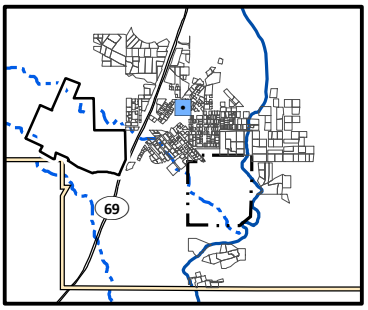
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

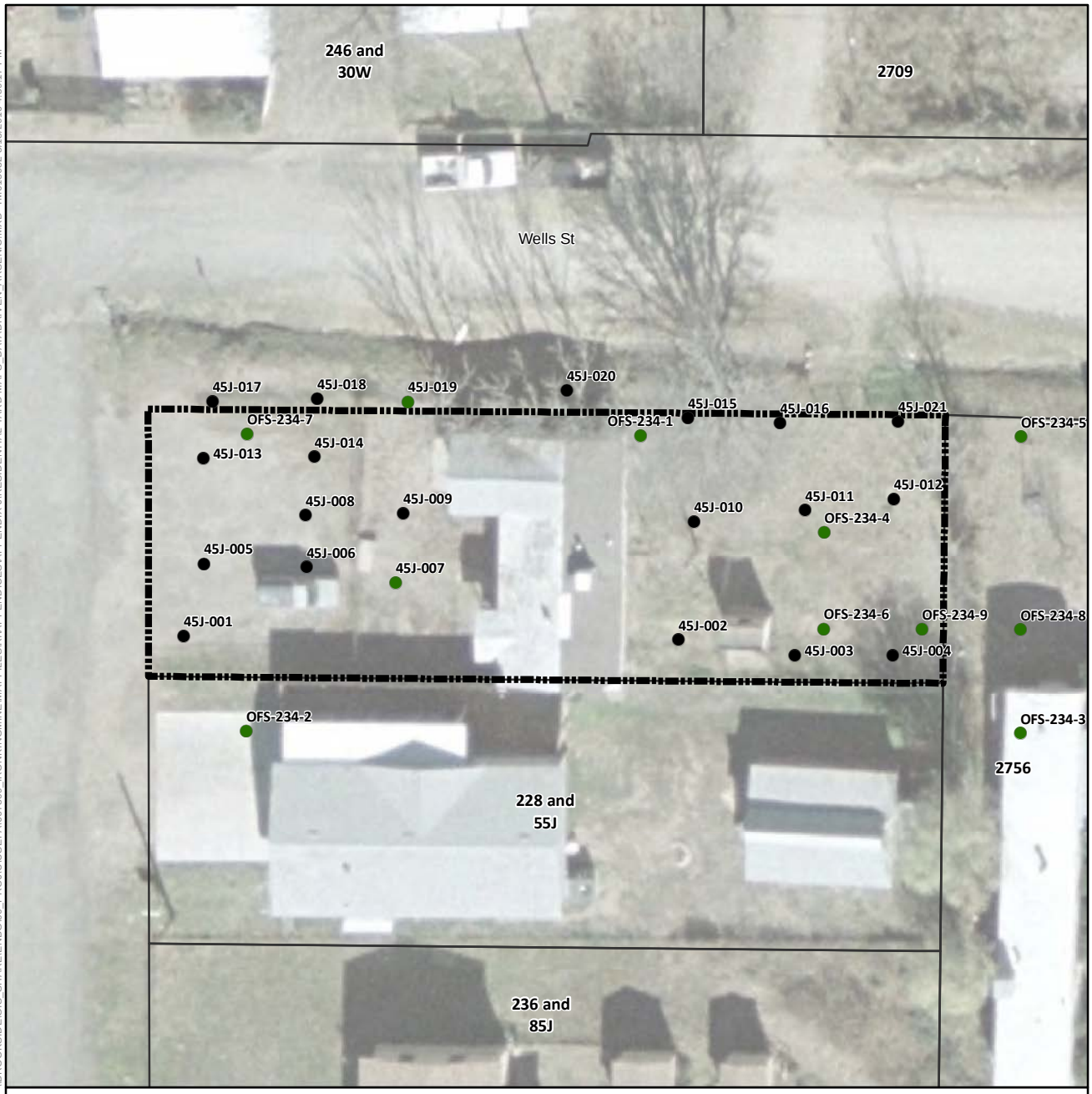


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2330 (Page 301 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

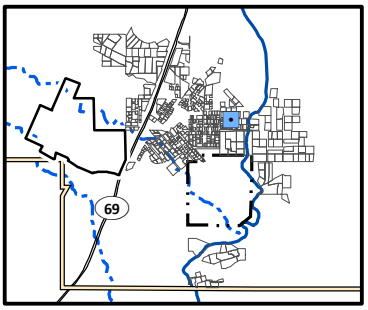


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



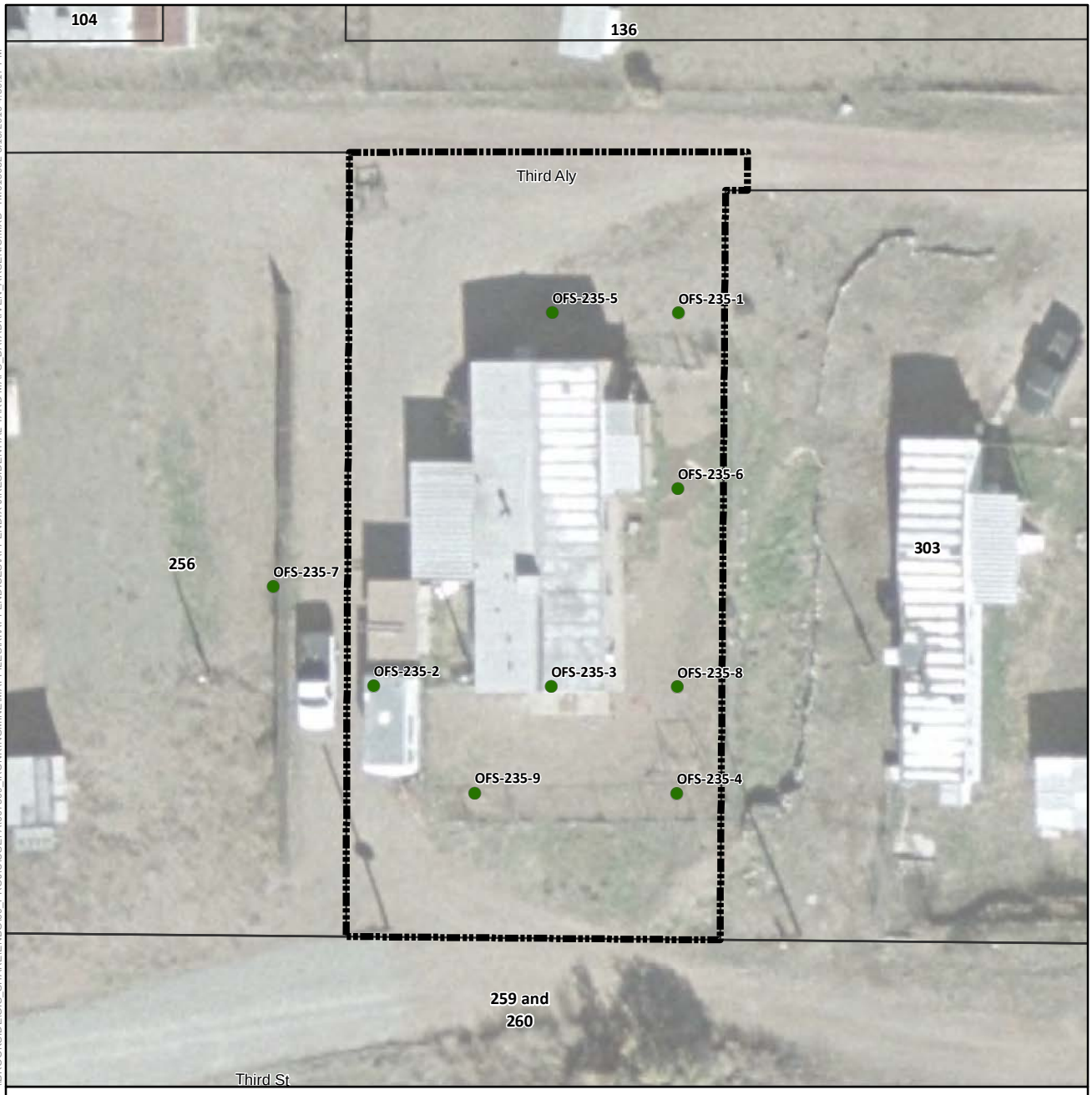
0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 234 and 45J (Page 302 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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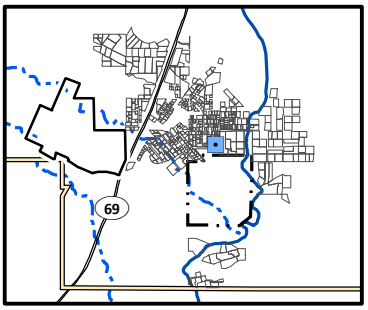
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



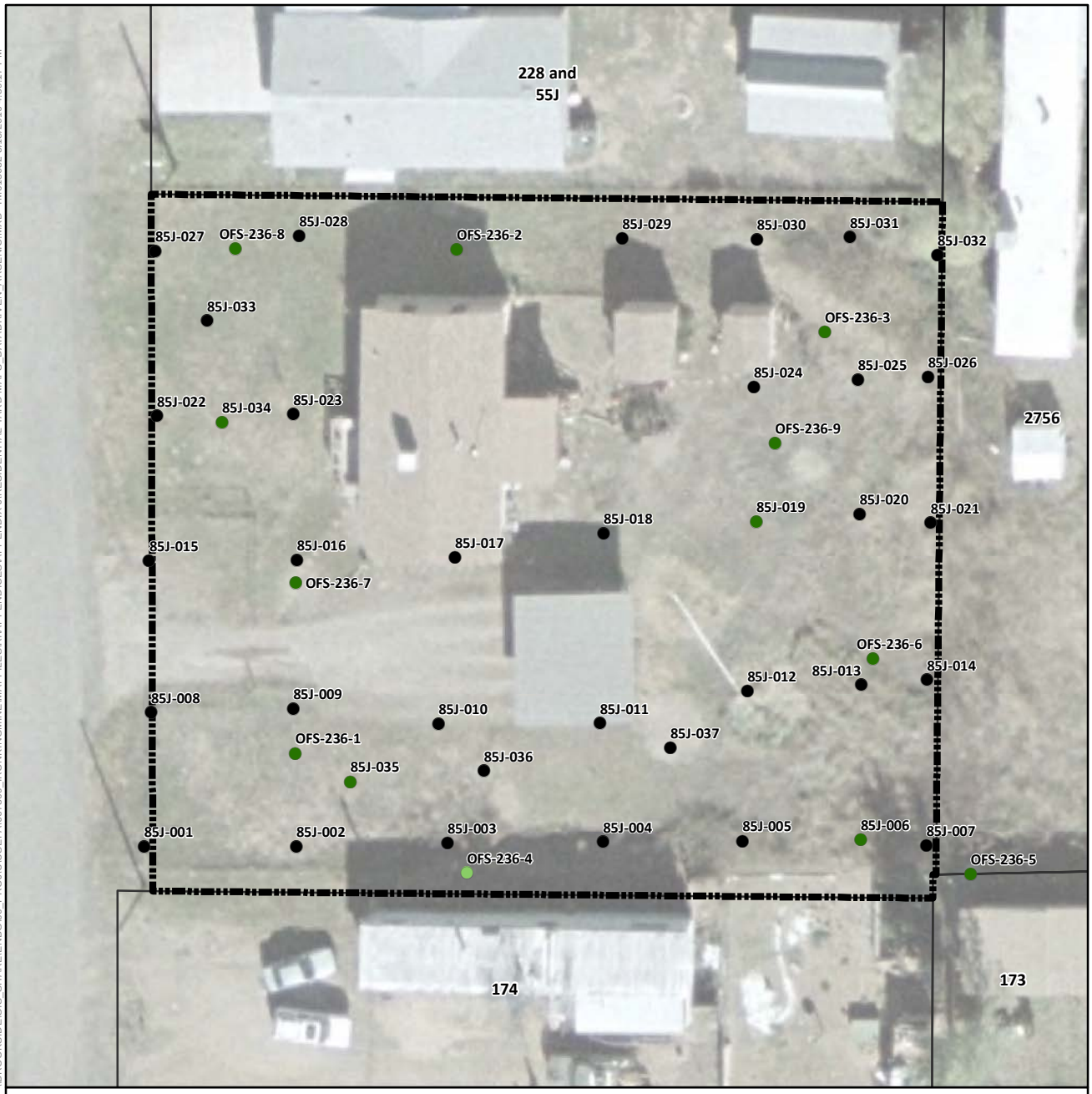
0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 235 (Page 303 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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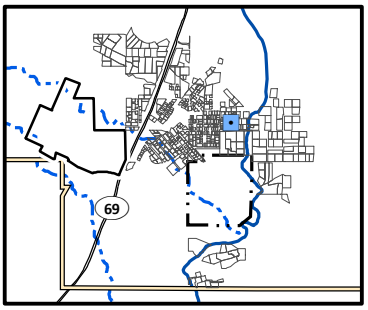


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 236 and 85J (Page 304 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



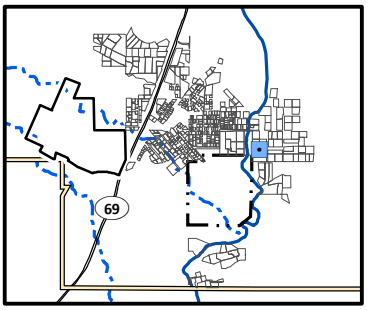
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 237 (Page 305 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



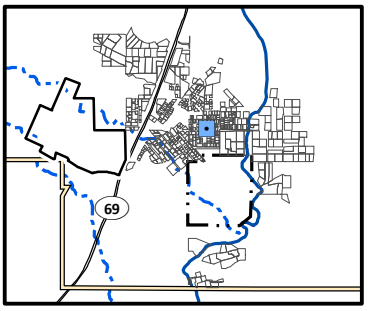
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

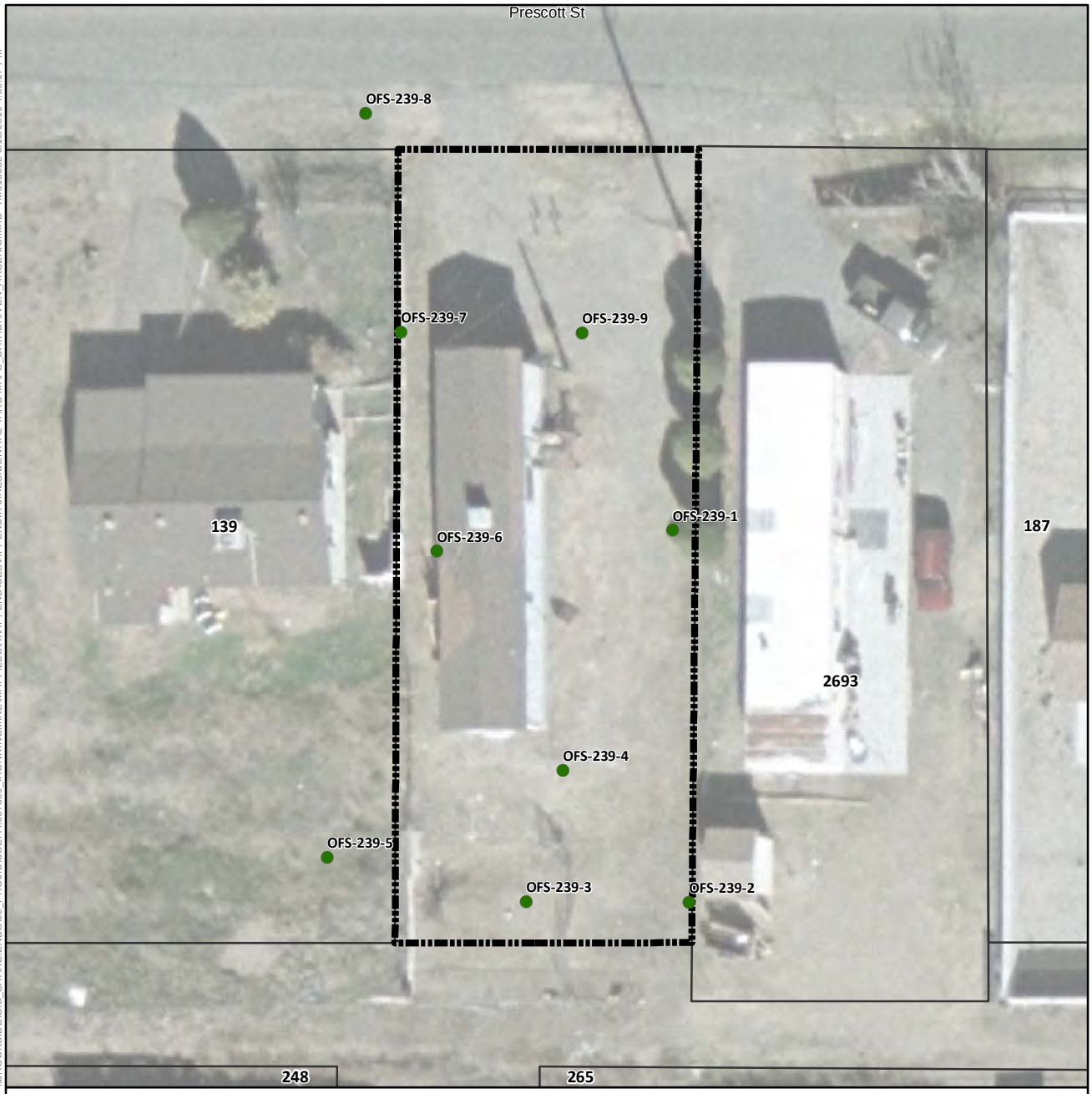


0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 238 (Page 306 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



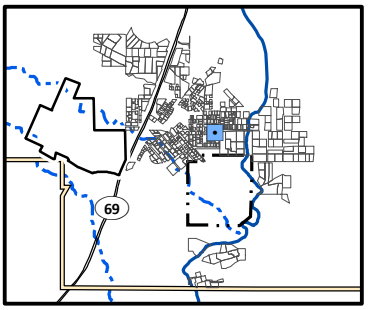
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

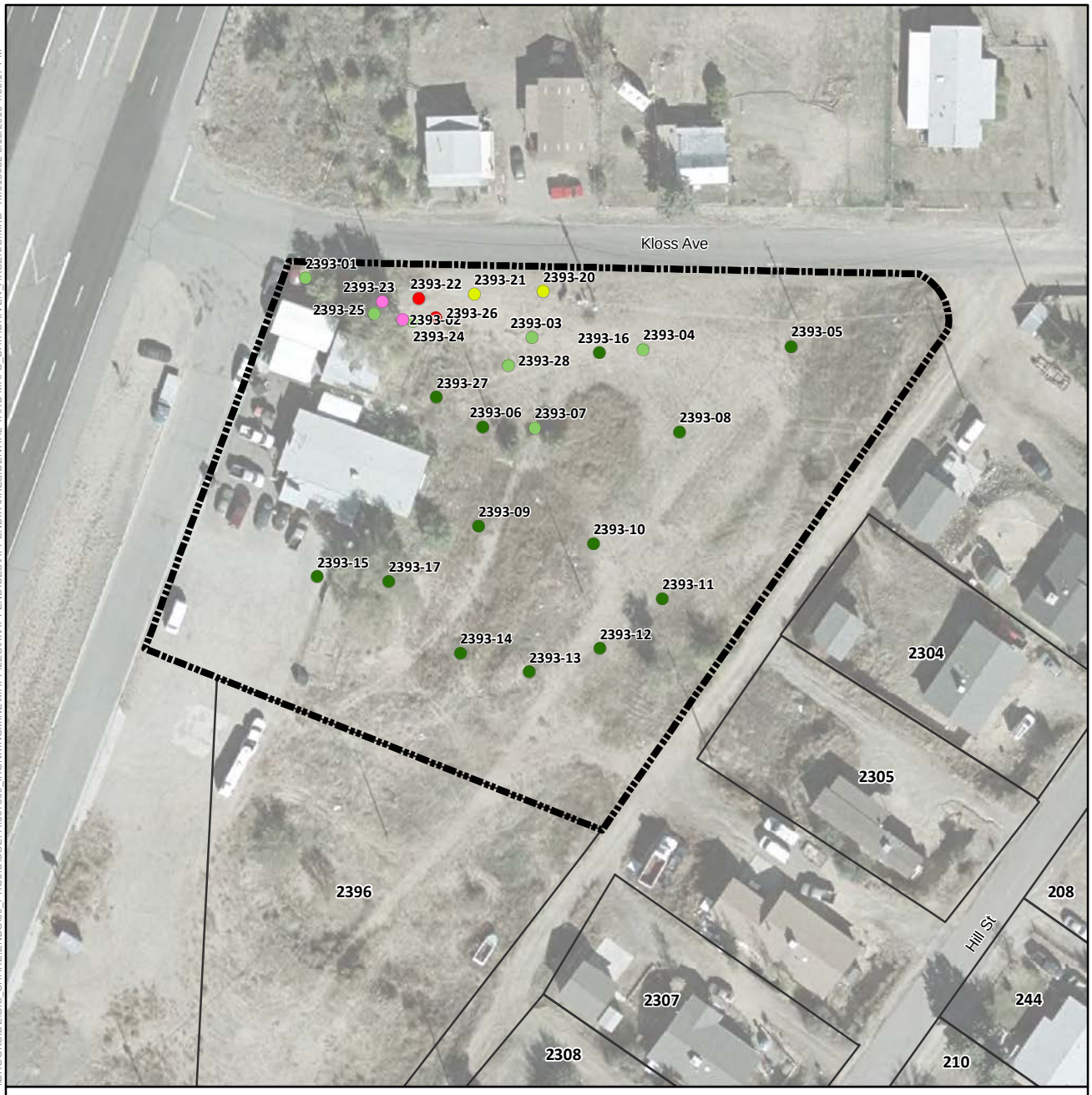


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 239 (Page 307 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



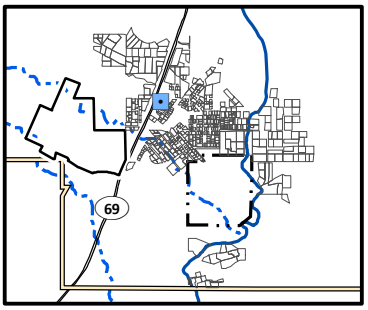
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

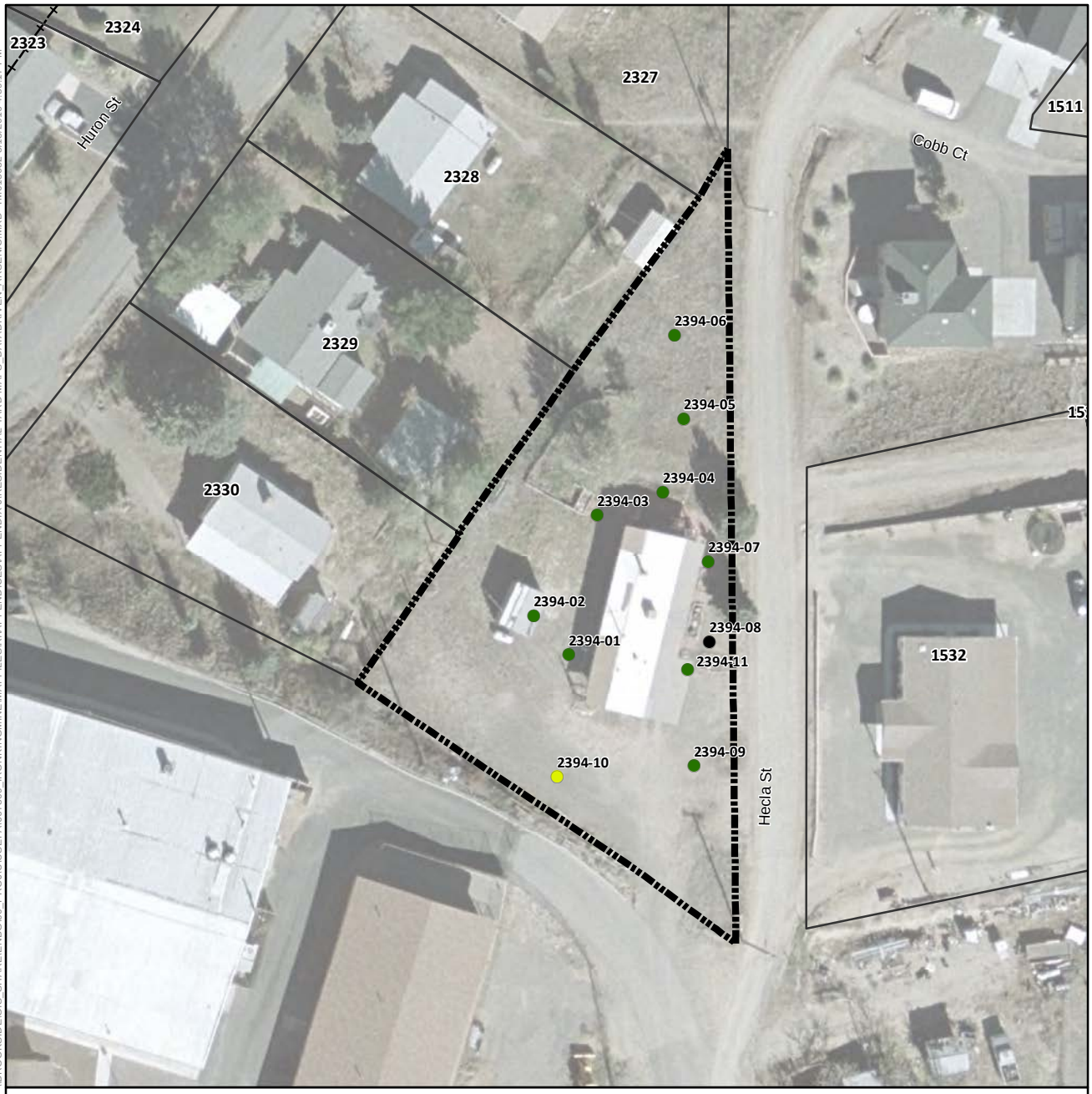
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 130
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2393 (Page 308 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



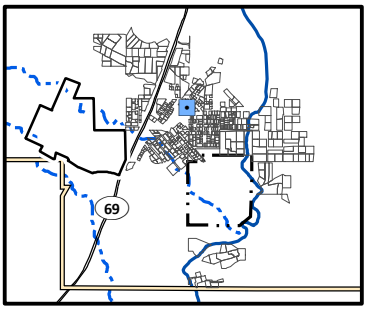
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2394 (Page 309 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



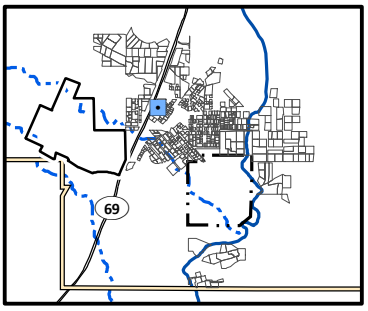
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

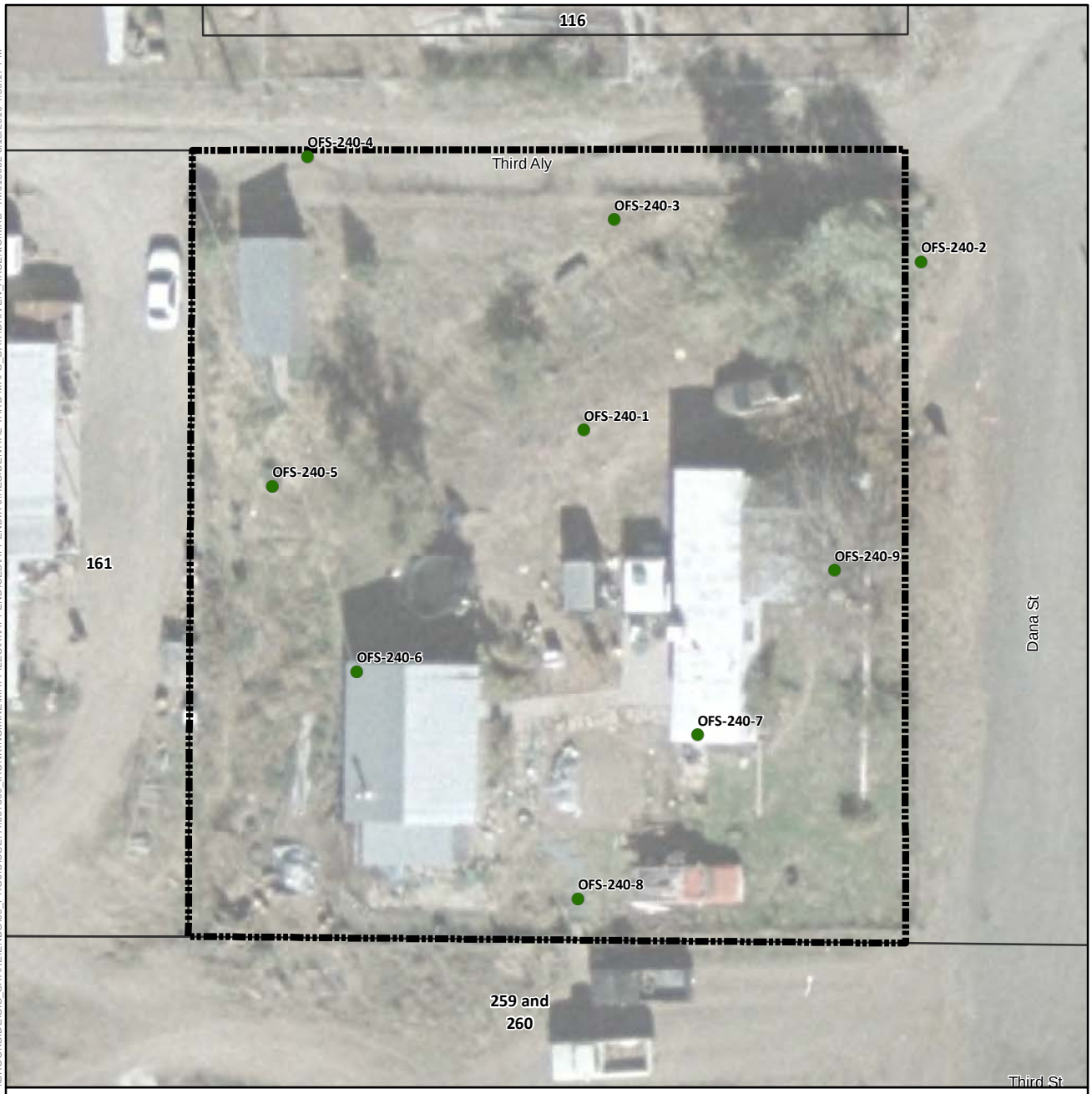


0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2396 (Page 310 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



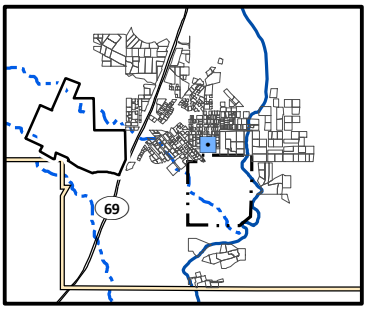
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 240 (Page 311 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



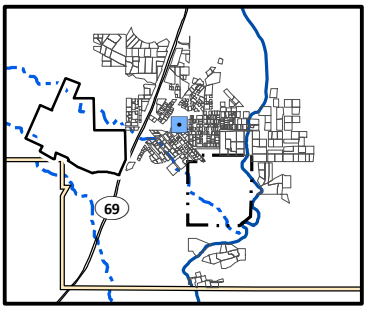
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2401 (Page 312 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



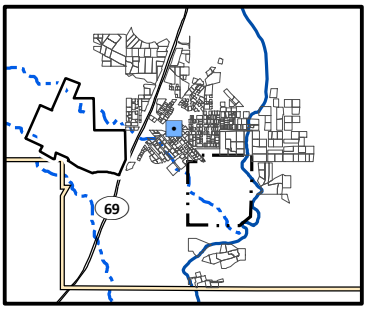
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

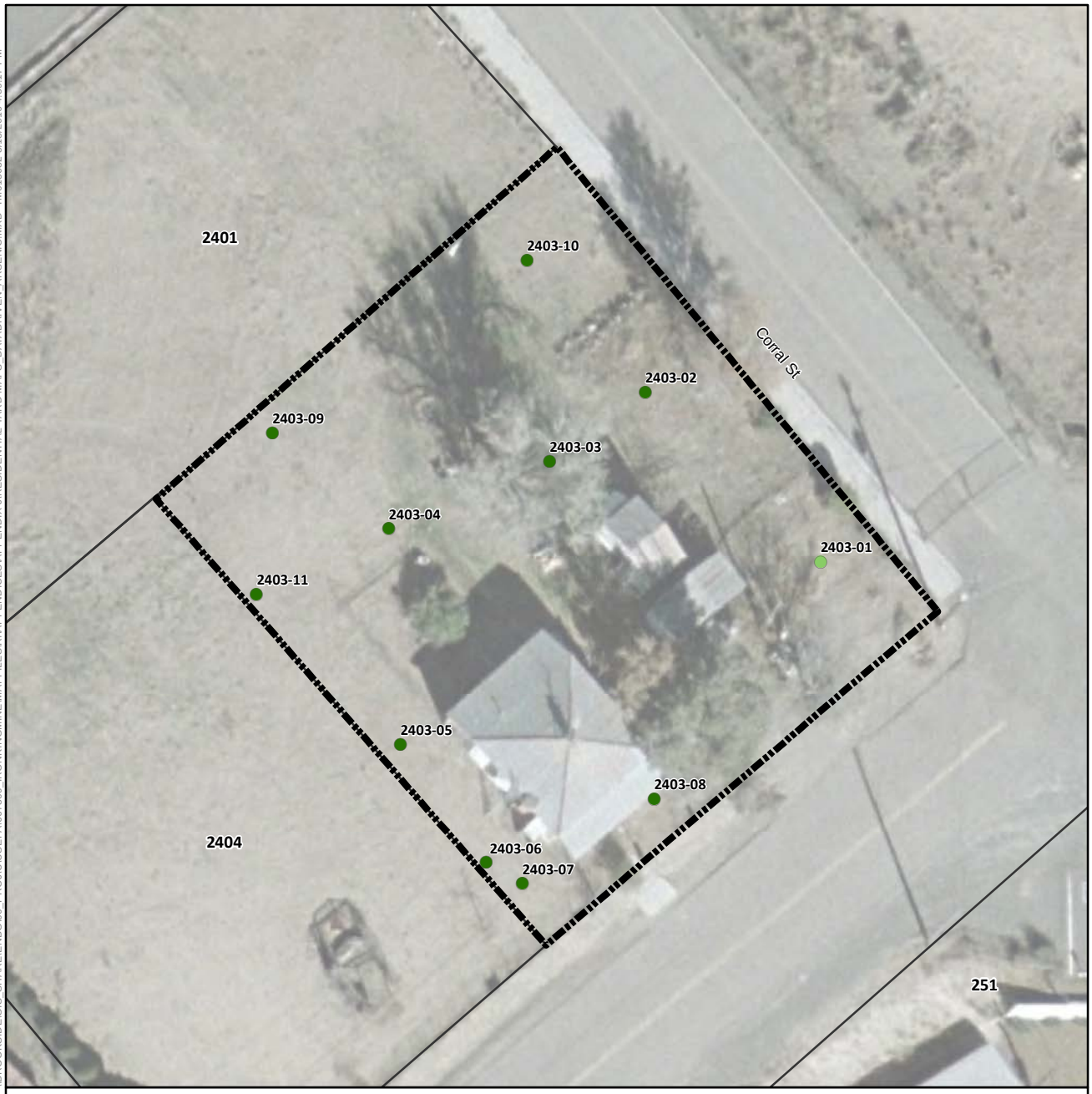
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2402 (Page 313 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



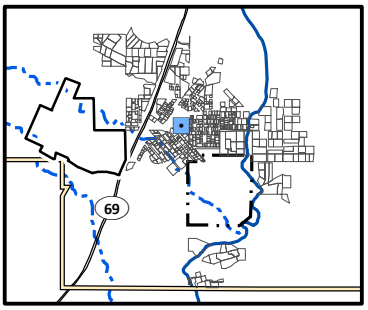
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2403 (Page 314 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



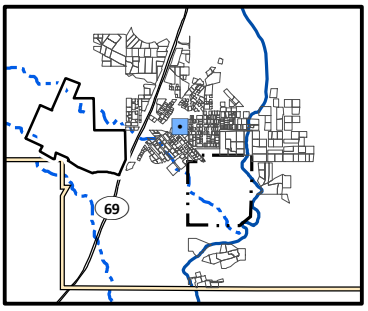
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

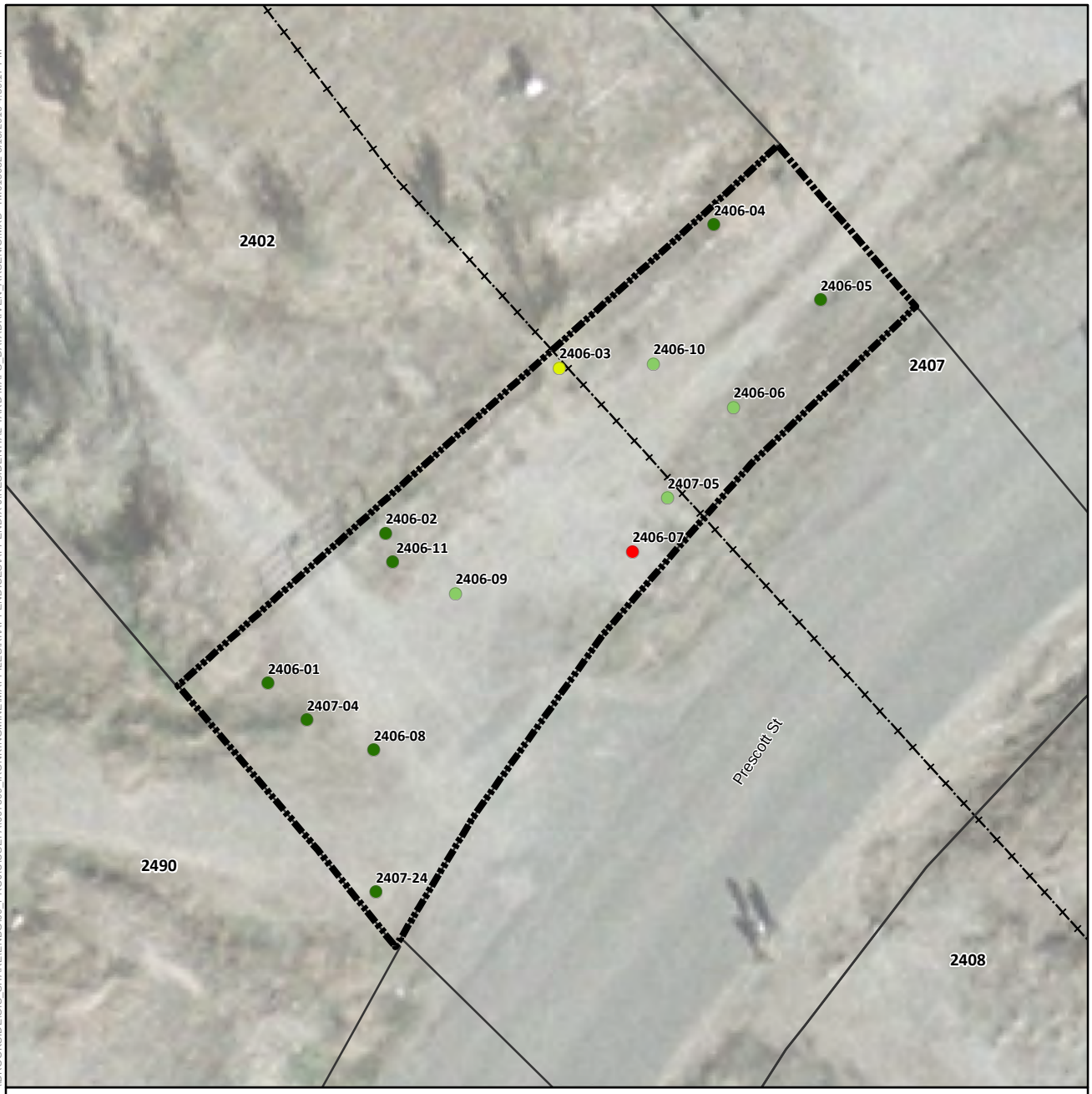


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2404 (Page 315 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



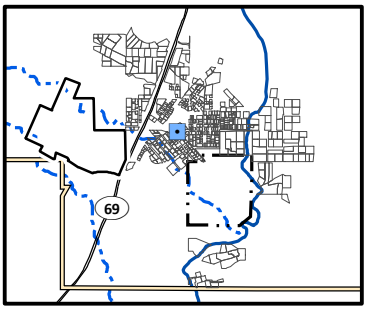
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

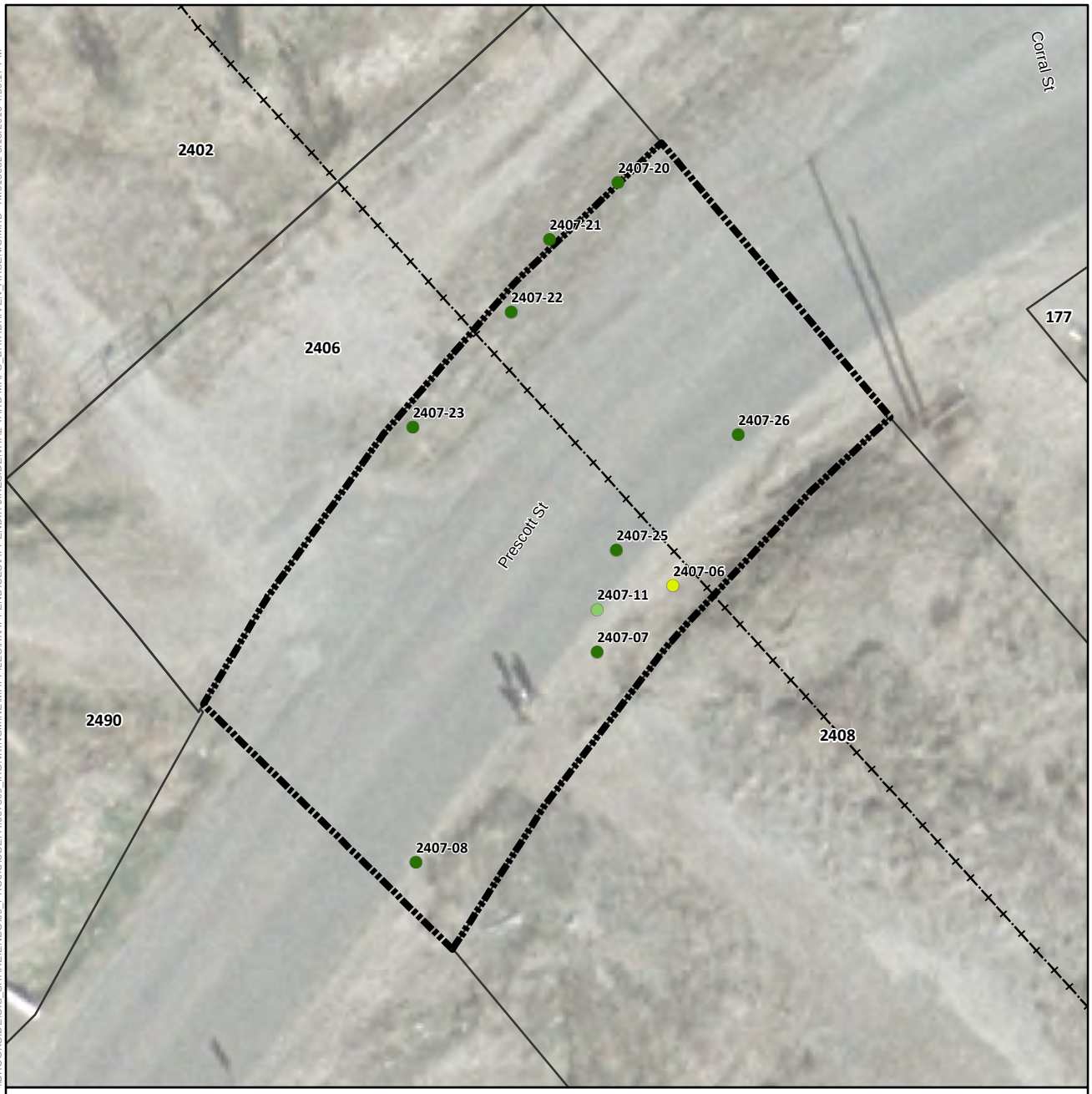


0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2406 (Page 316 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



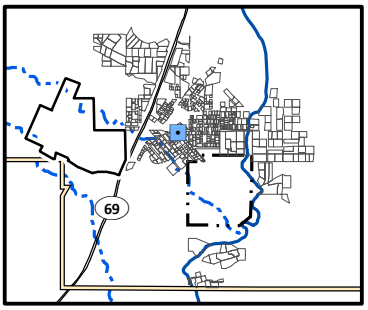
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

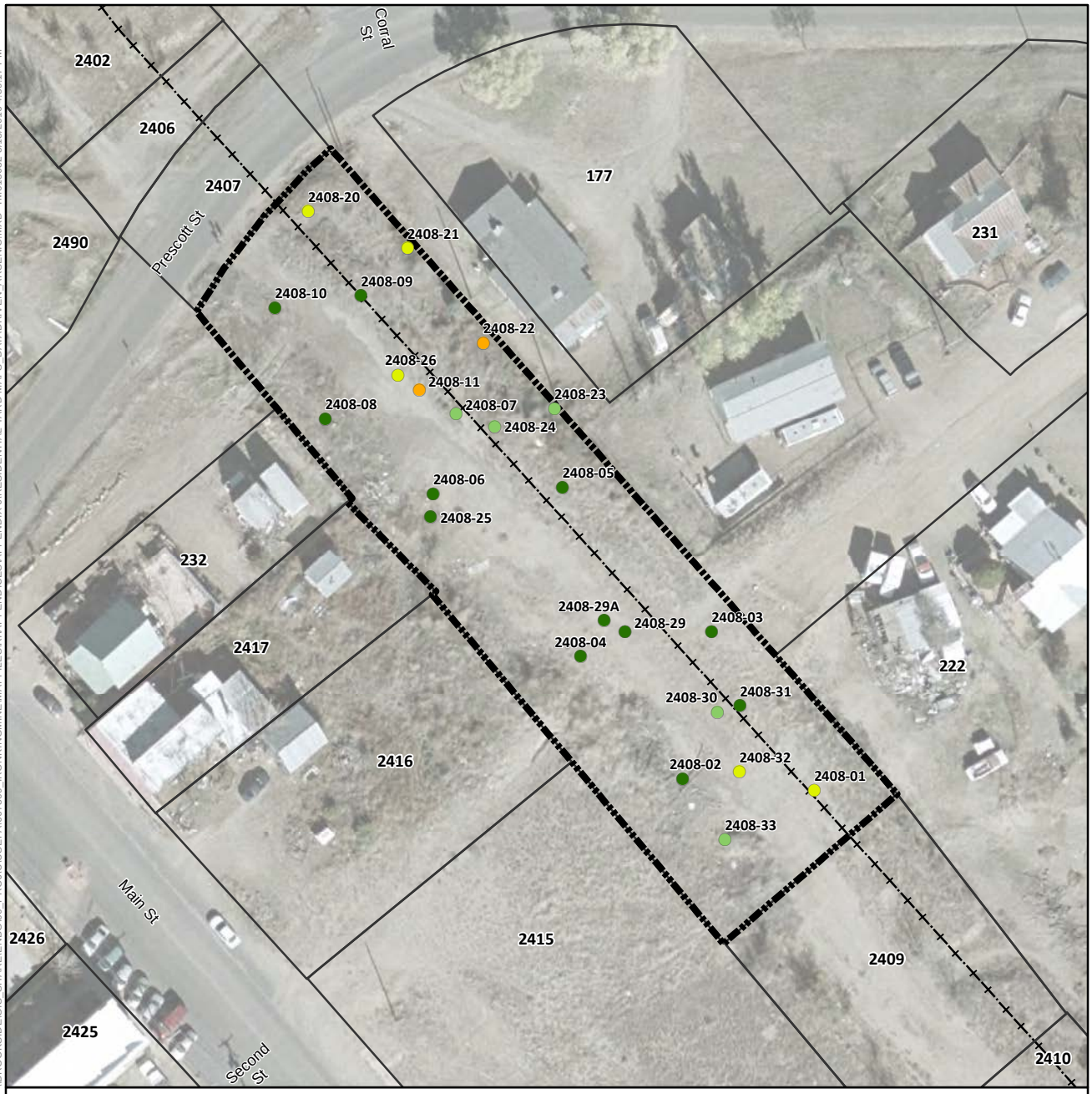


0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2407 (Page 317 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

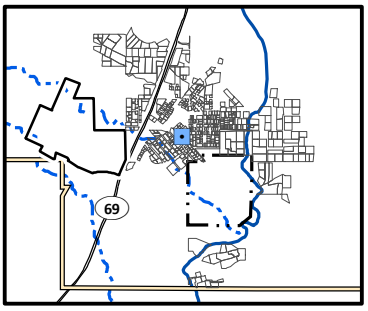


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

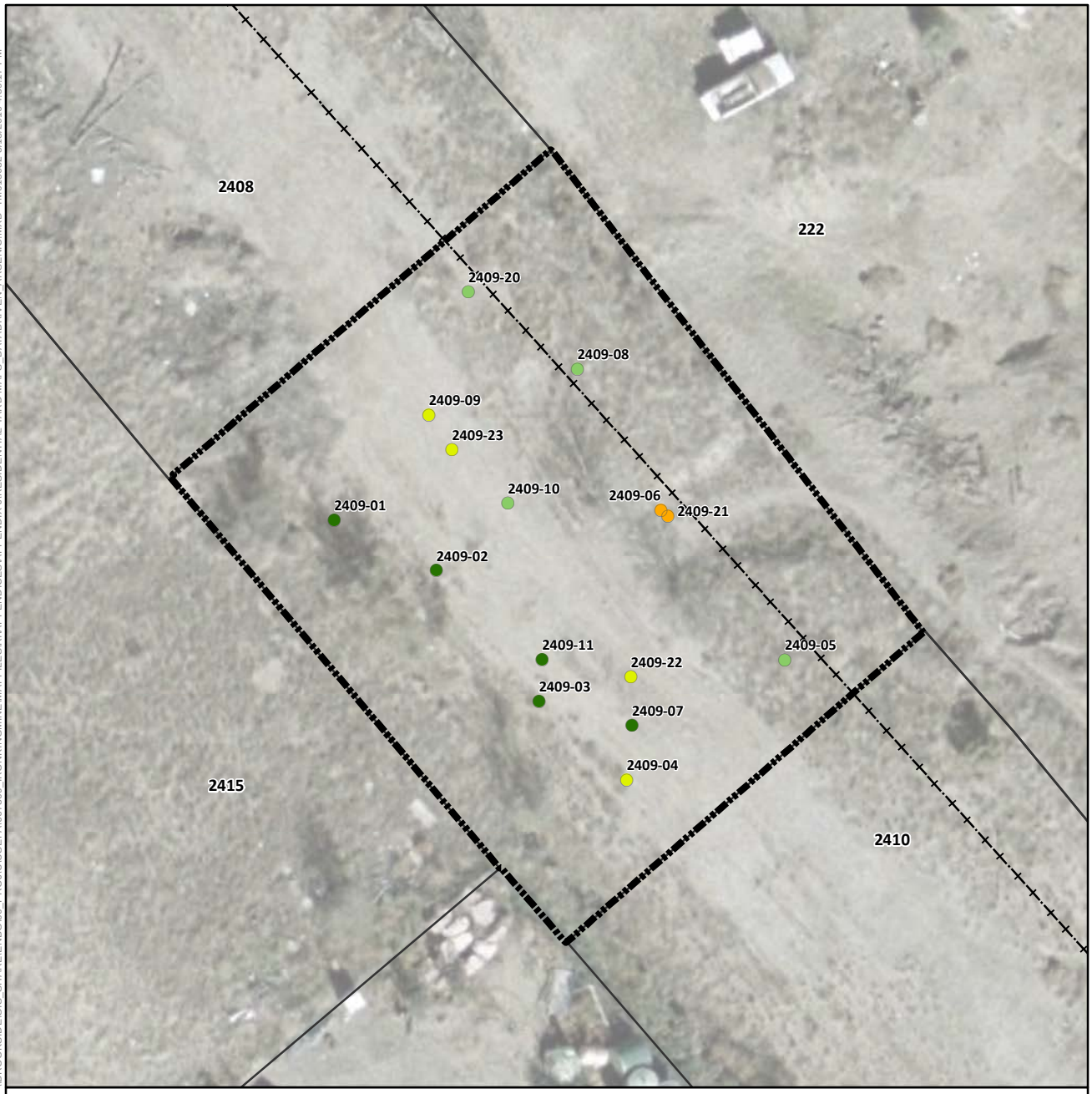


0 120
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2408 (Page 318 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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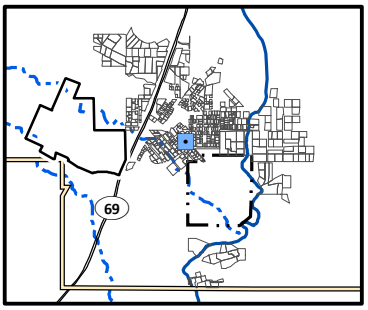
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2409 (Page 319 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



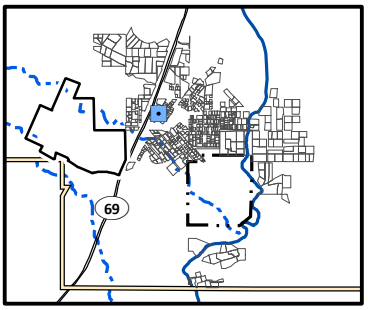
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

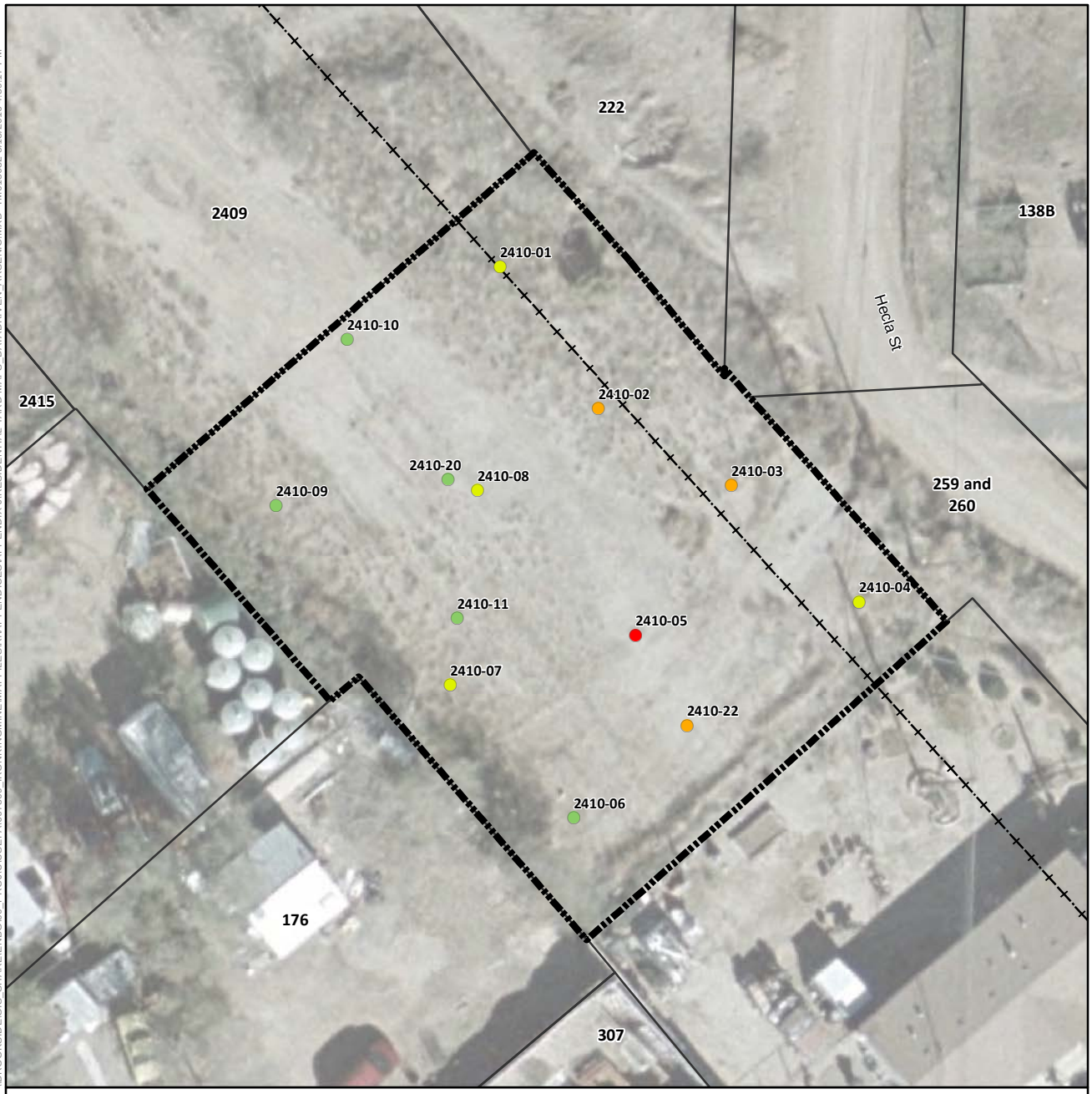


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 241 (Page 320 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



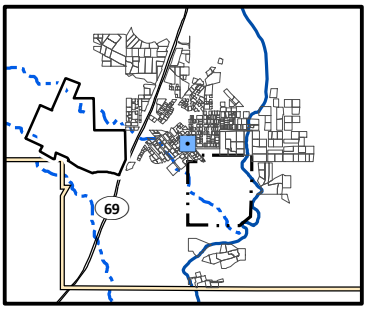
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2410 (Page 321 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



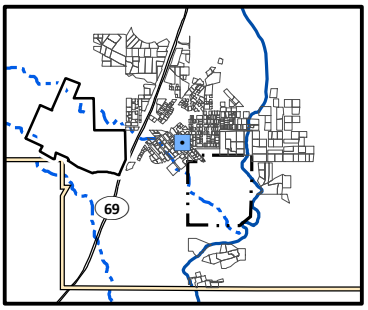
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

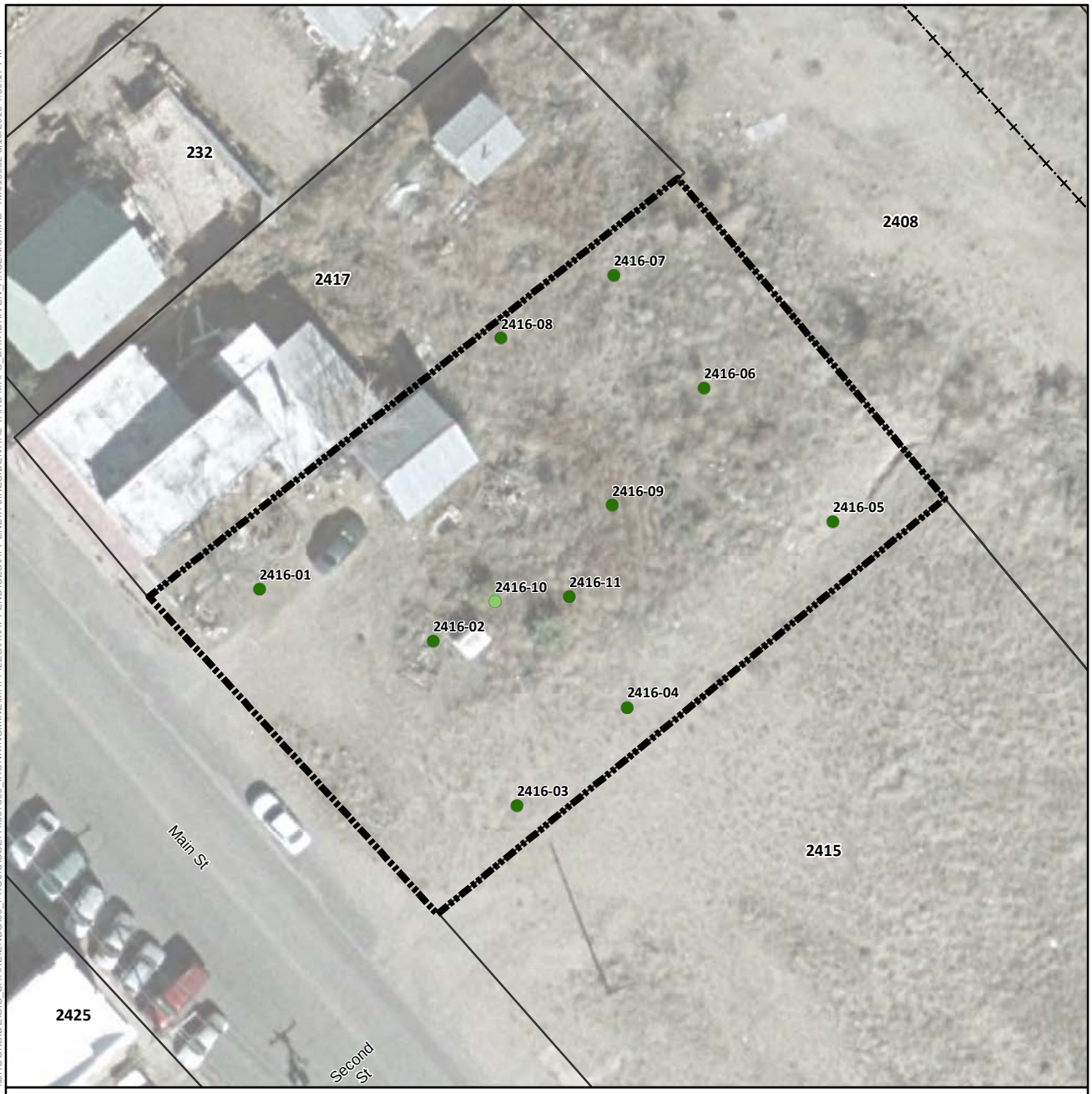


0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2415 (Page 322 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



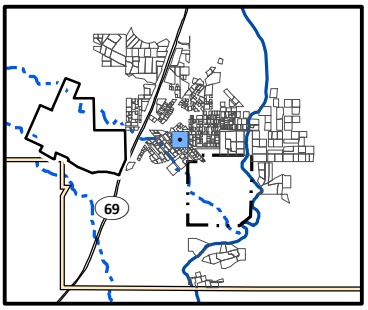
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

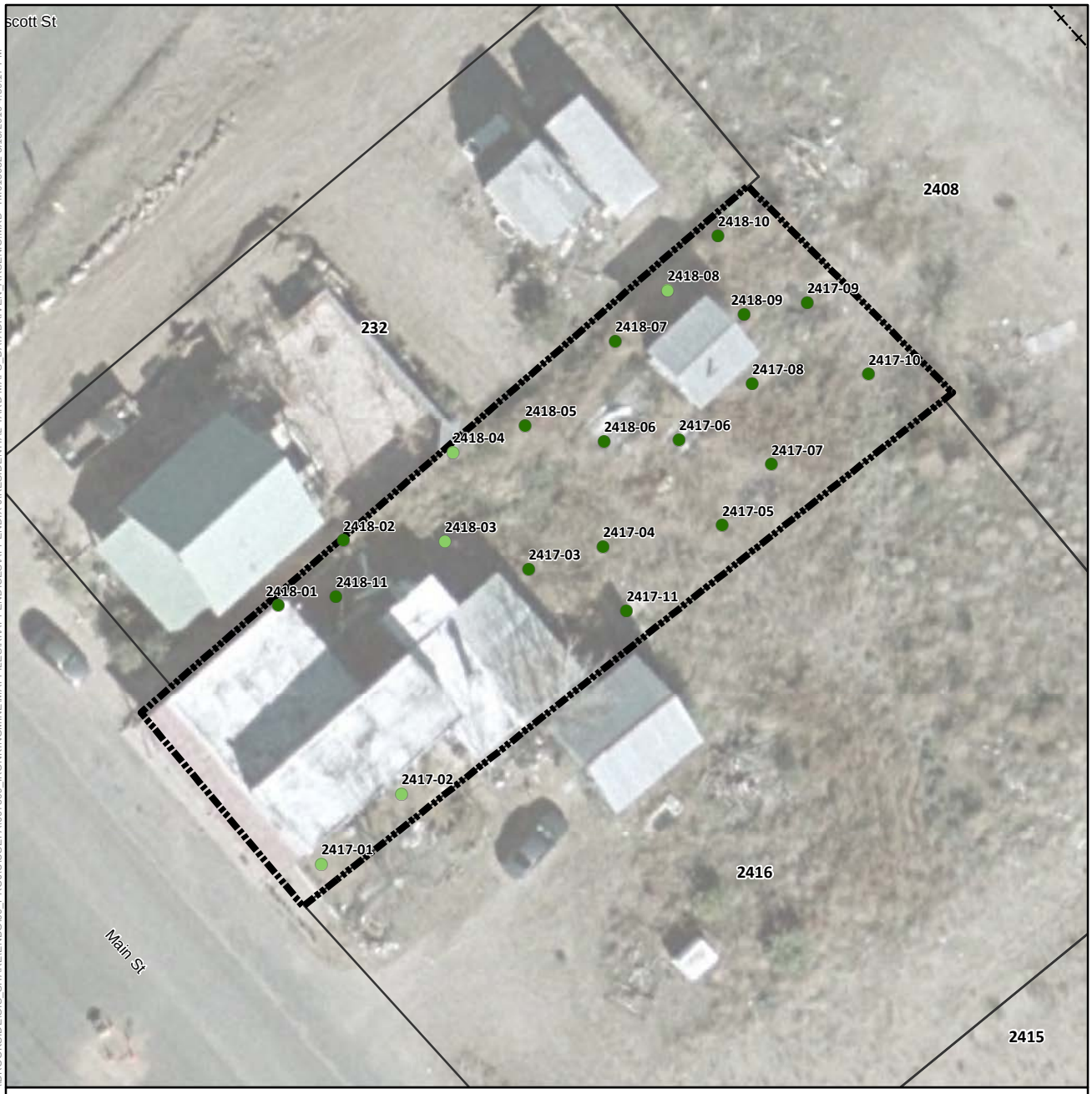


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2416 (Page 323 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



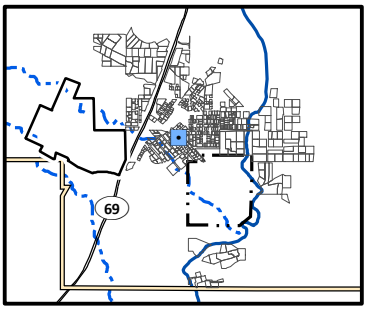
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

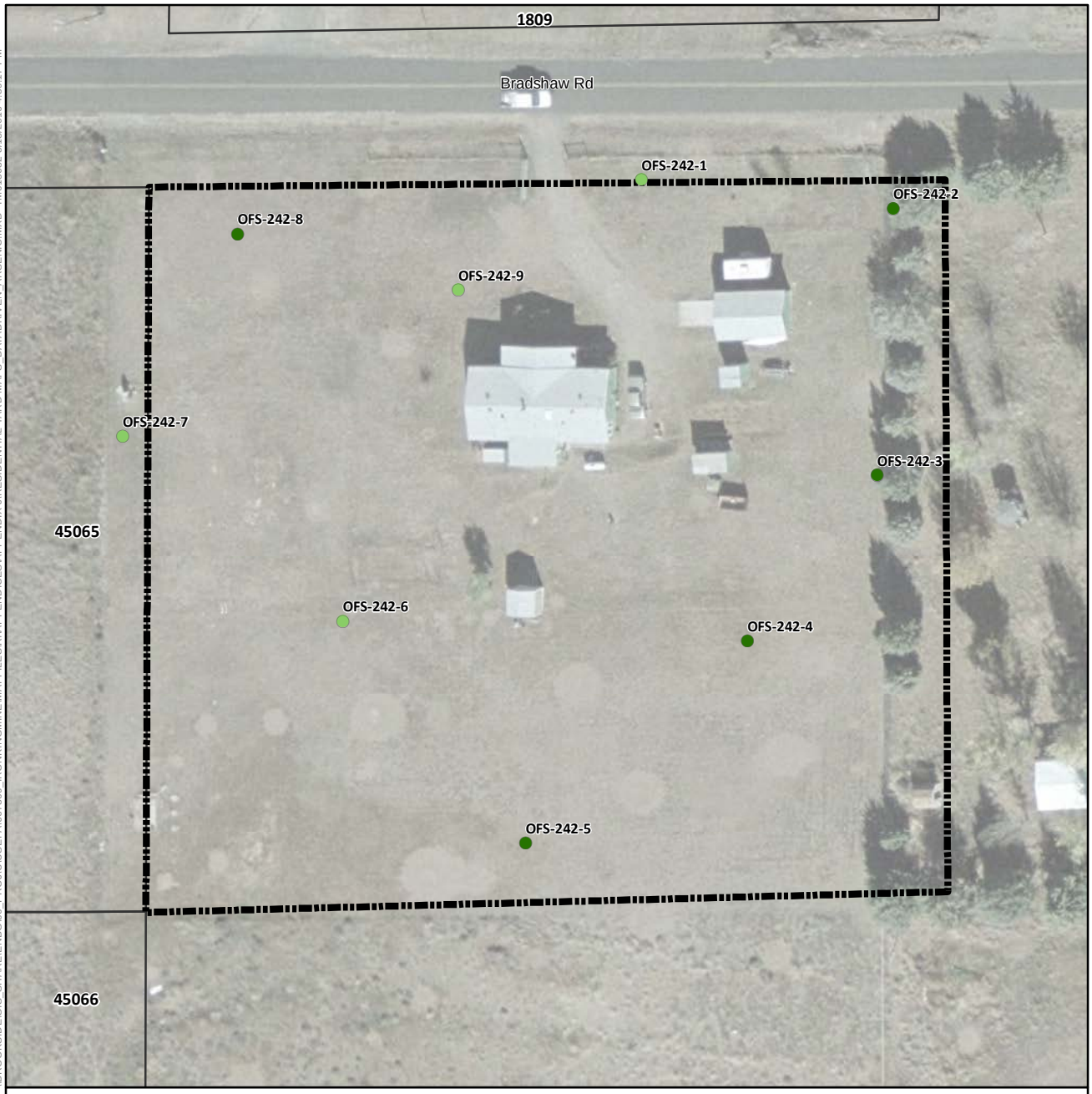
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2417 (Page 324 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



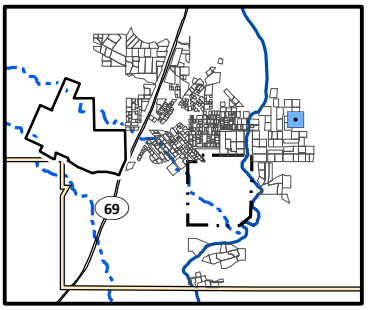
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 242 (Page 325 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



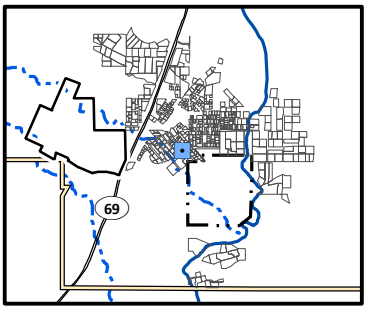
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2420 (Page 326 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



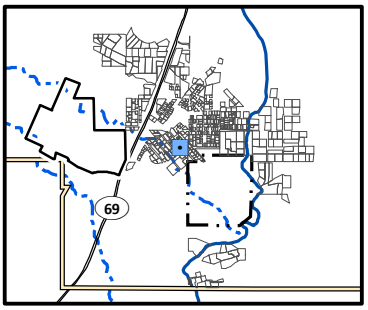
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2422 (Page 327 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



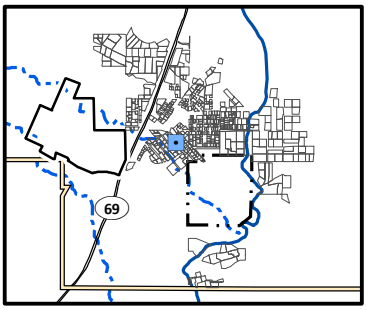
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2425 (Page 328 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



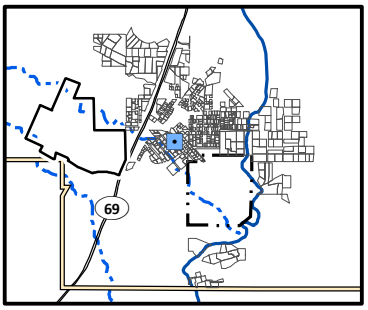
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2426 (Page 329 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

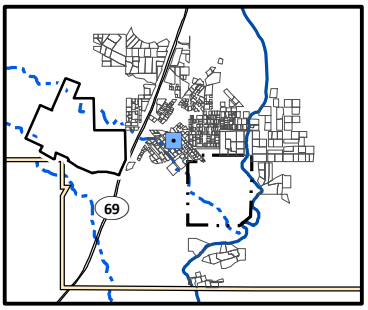


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2427 (Page 330 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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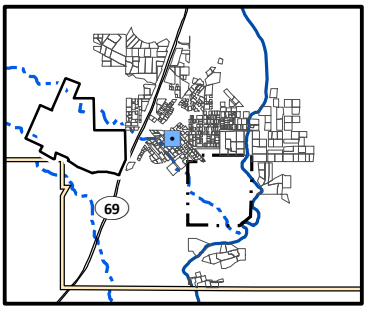


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2428 (Page 331 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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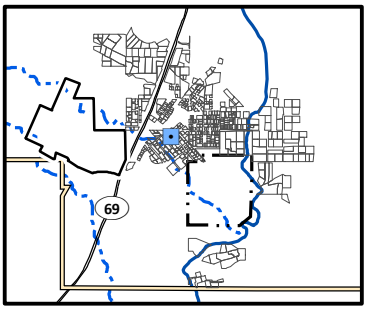
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2429 (Page 332 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



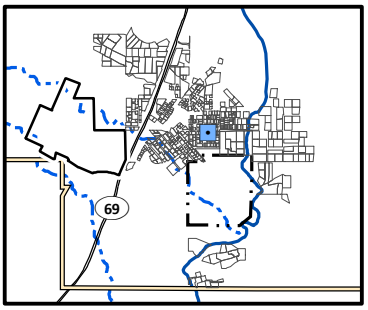
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 243 (Page 333 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



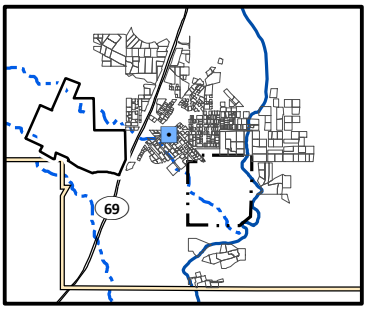
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

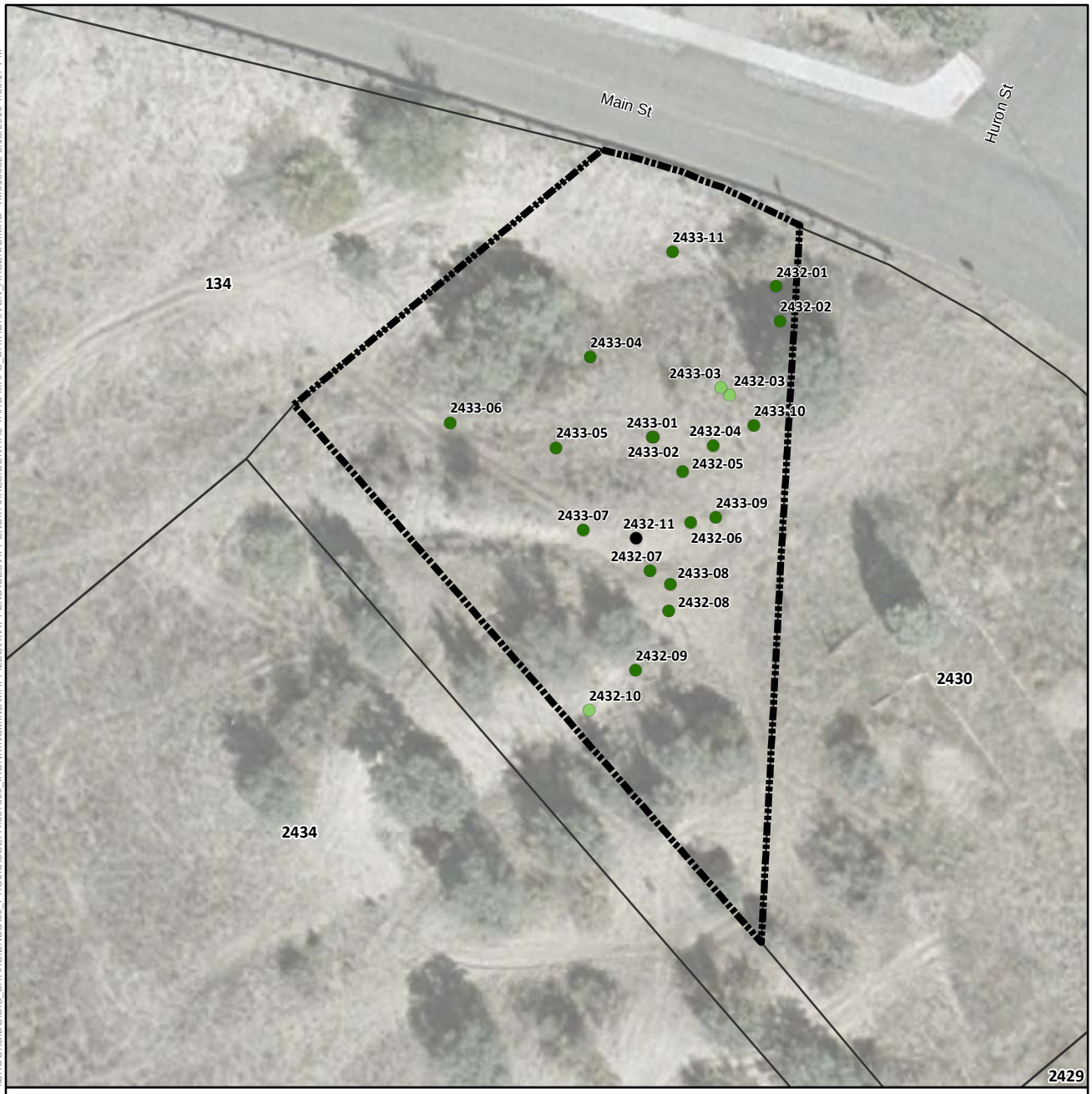
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2430 (Page 334 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



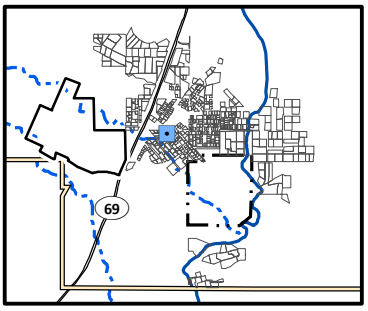
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

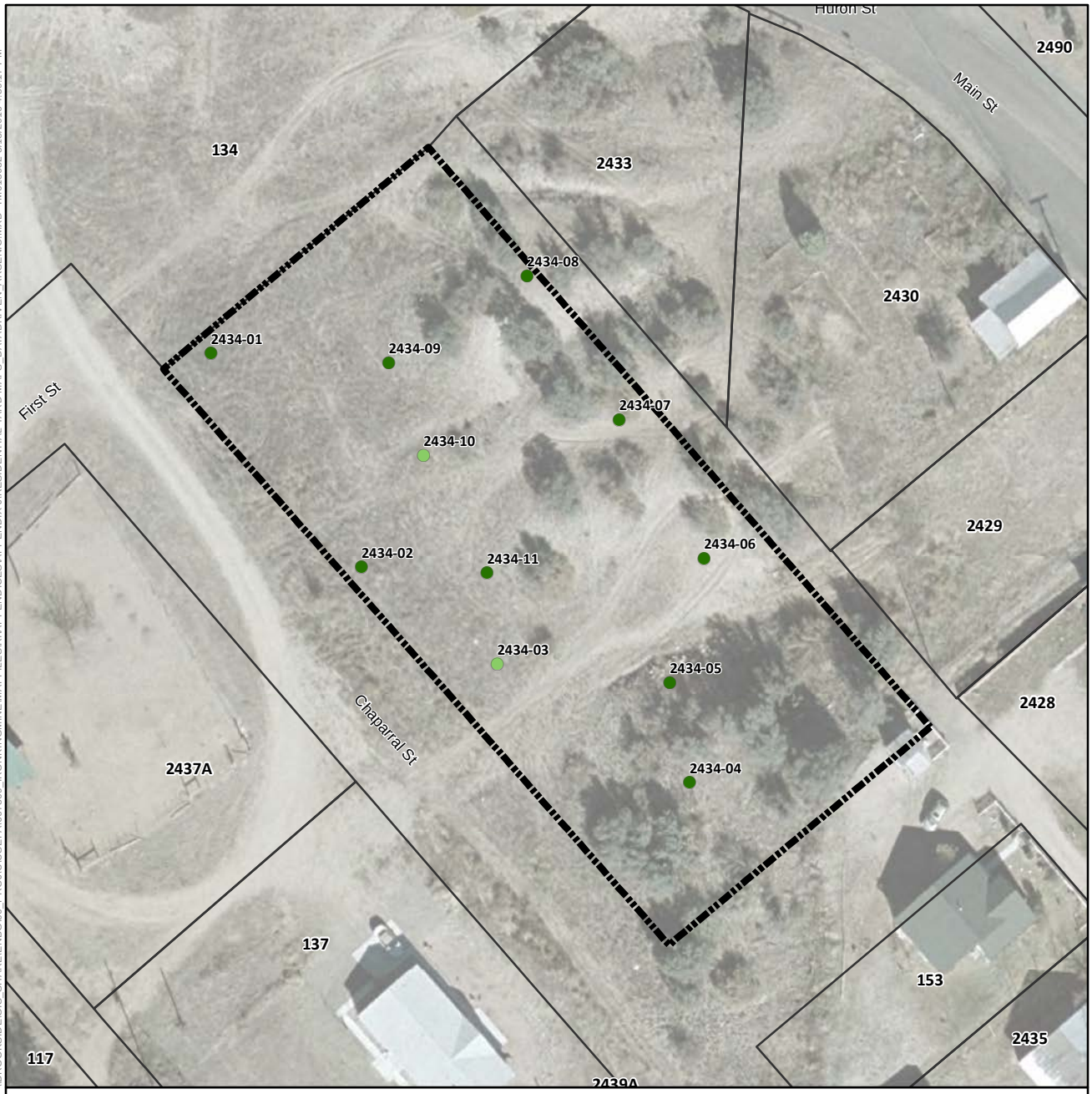


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2433 (Page 335 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



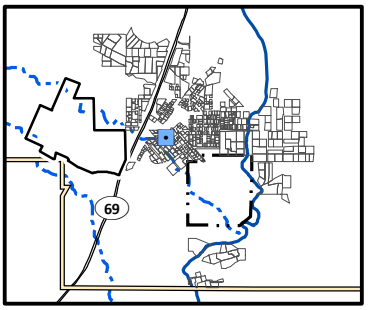
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2434 (Page 336 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

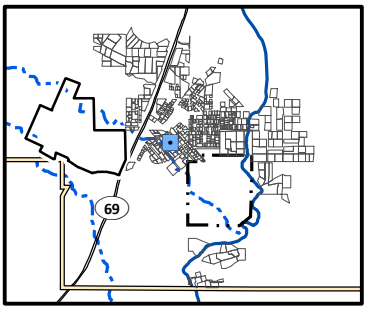


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2435 (Page 337 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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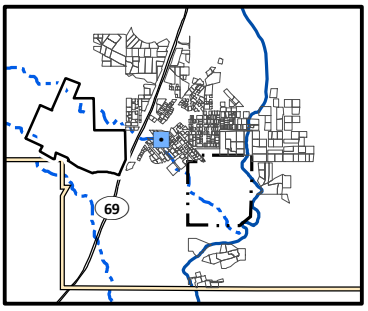
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

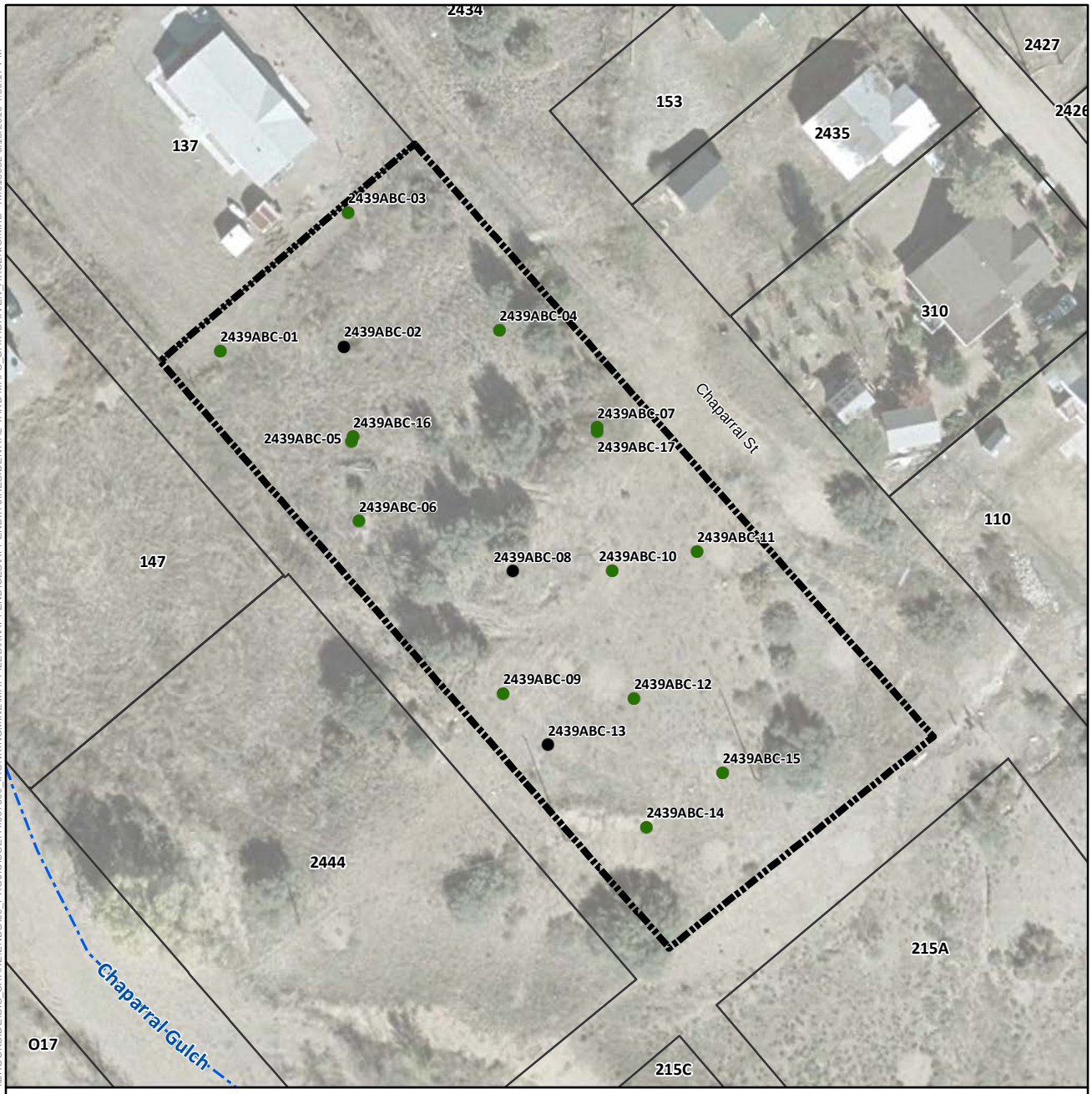
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2437A (Page 338 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



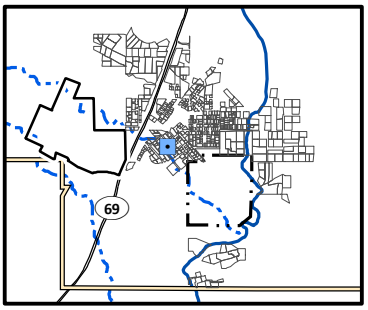
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

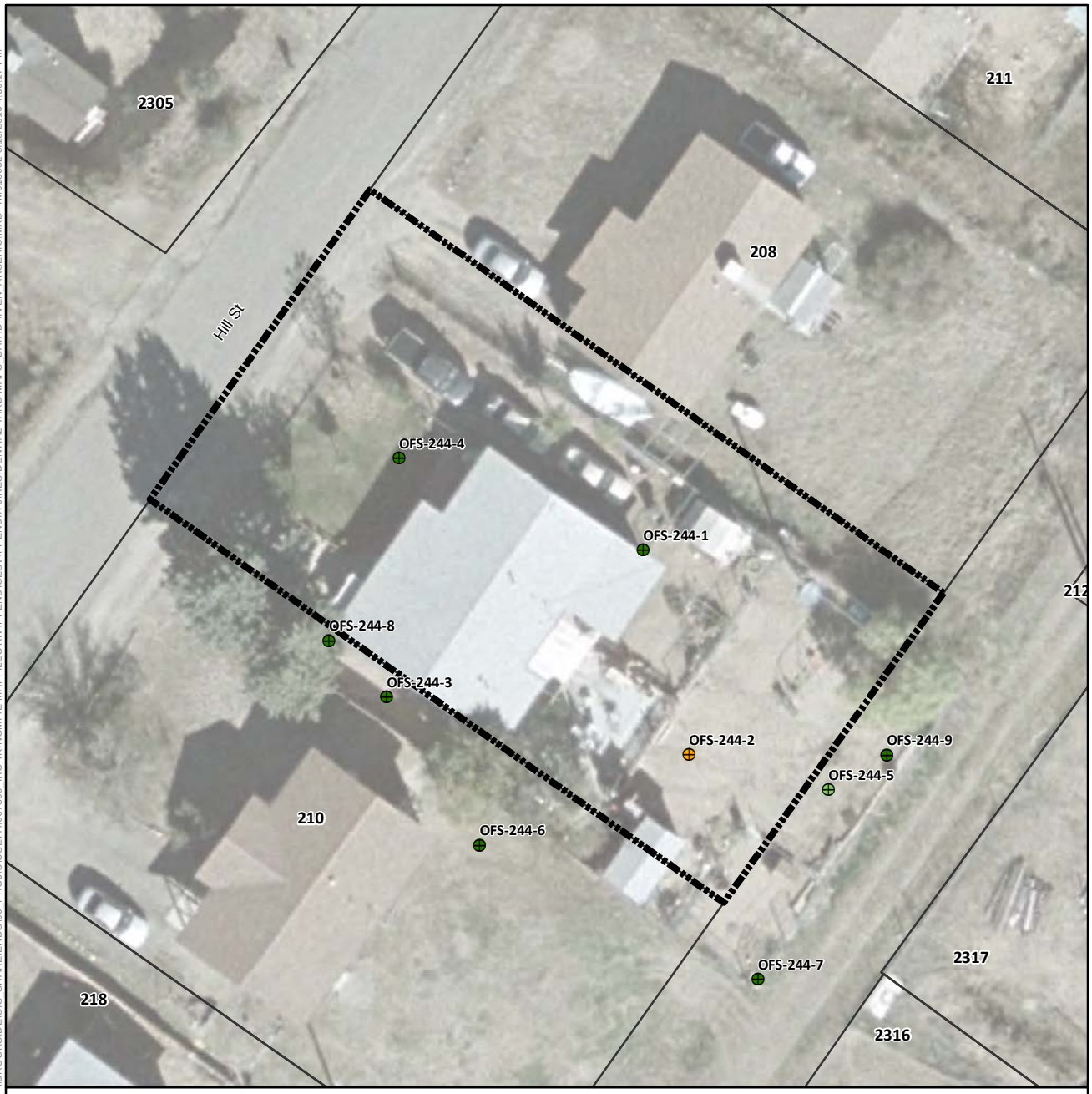


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2439A (Page 339 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



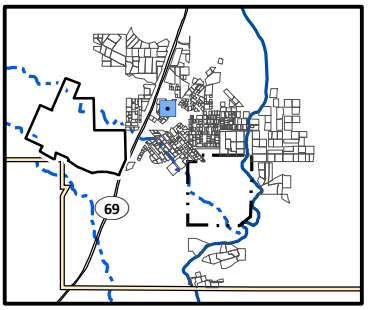
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

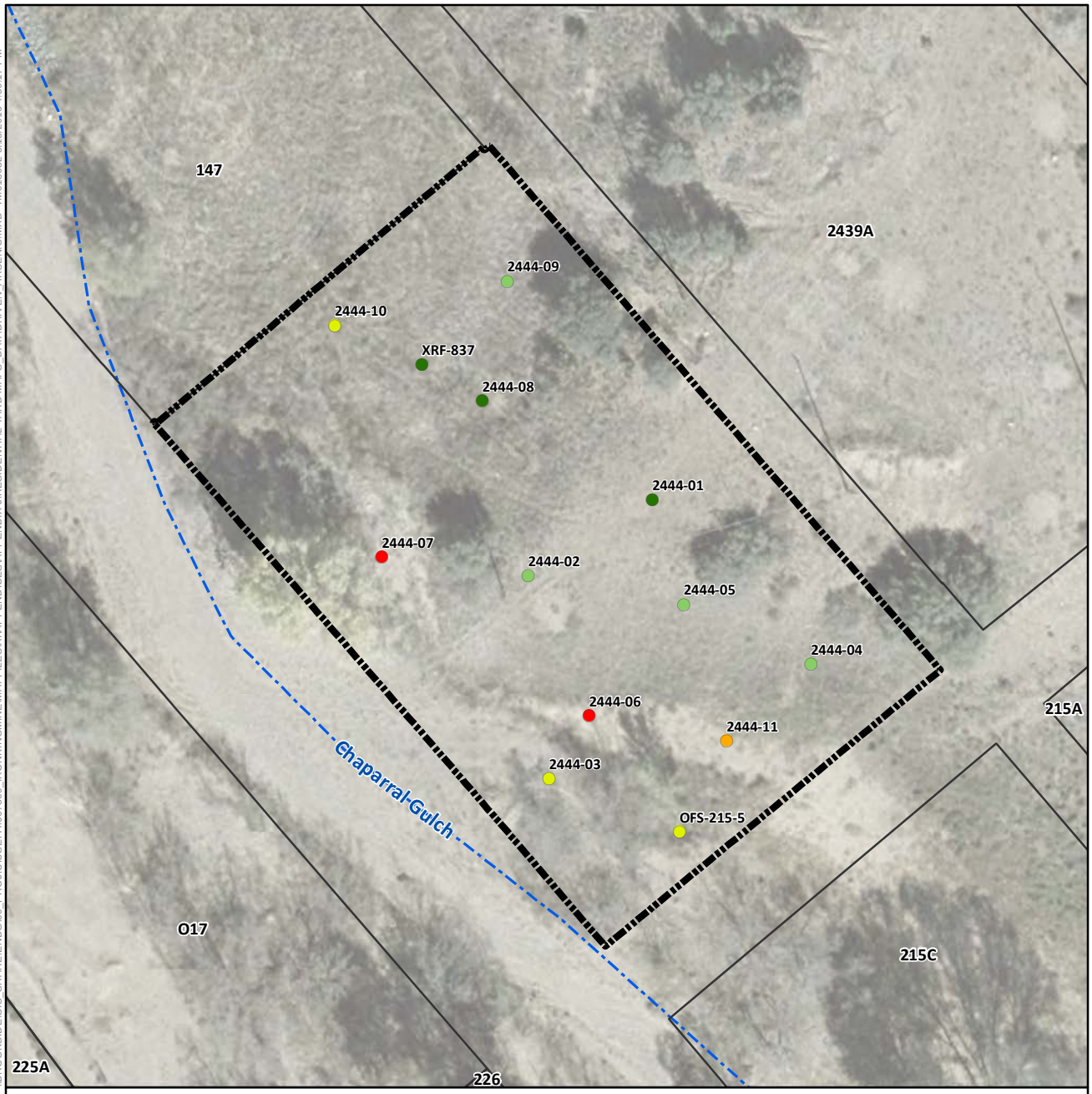
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 244 (Page 340 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



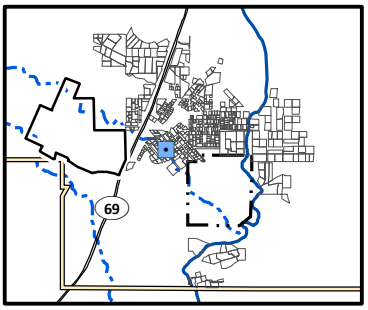
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2444 (Page 341 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



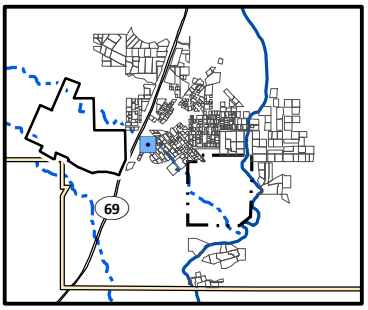
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

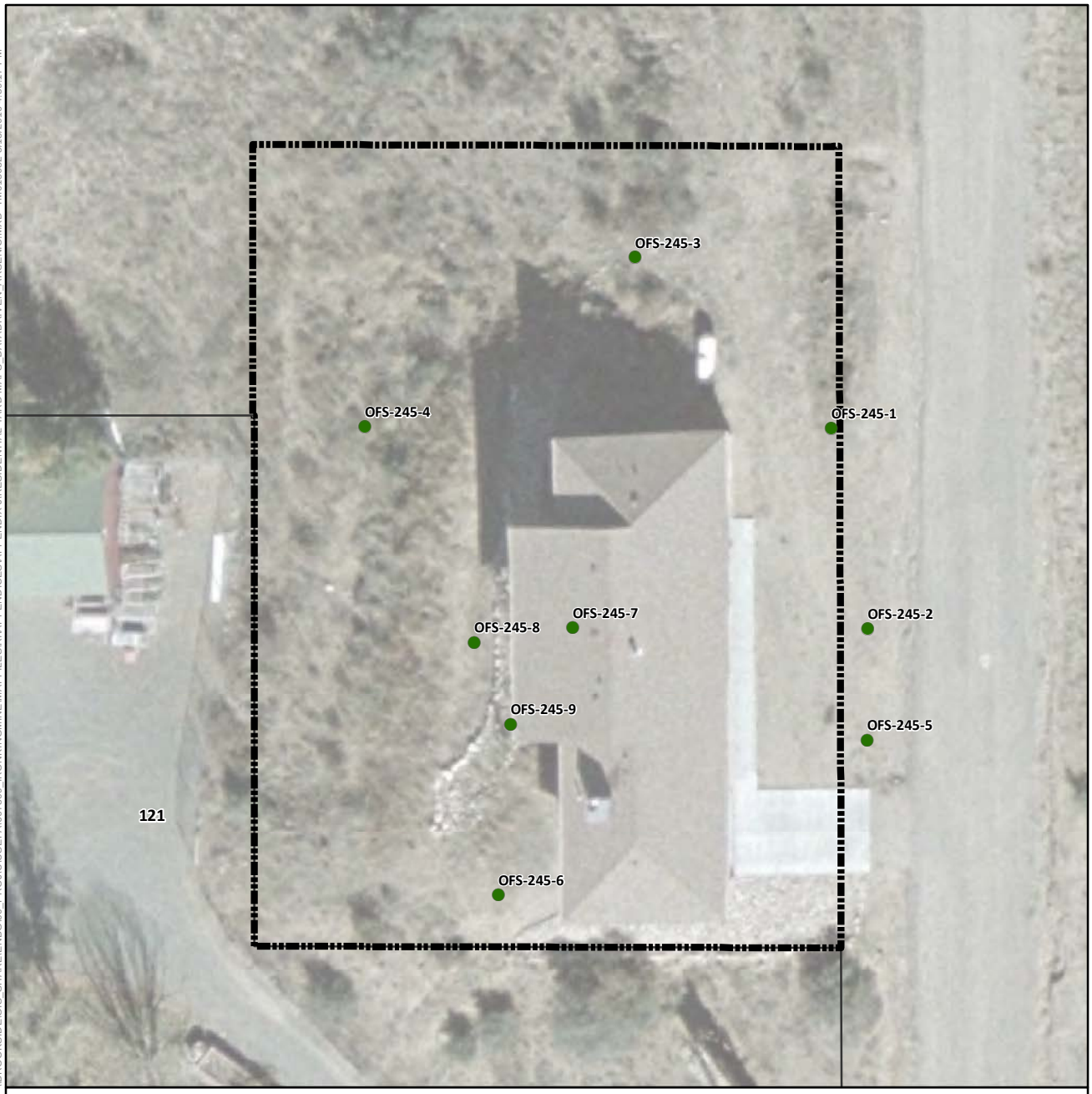


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2449 (Page 342 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



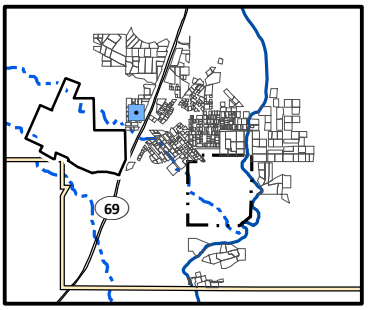
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

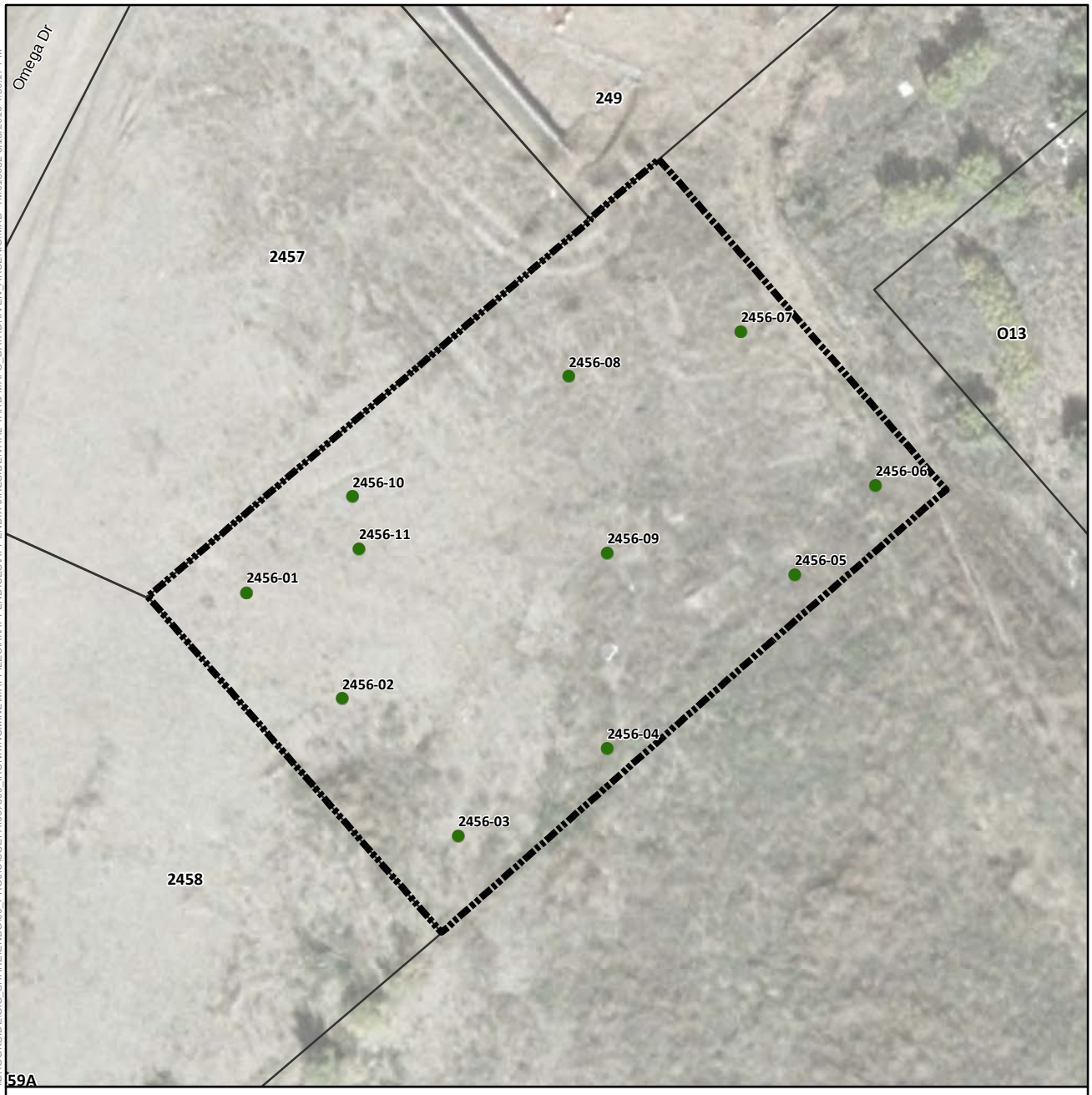


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 245 (Page 343 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



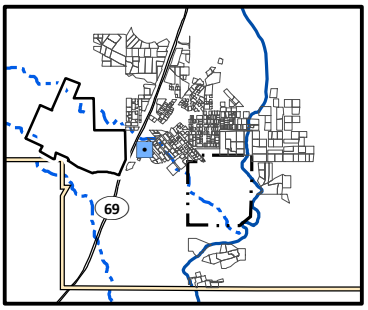
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

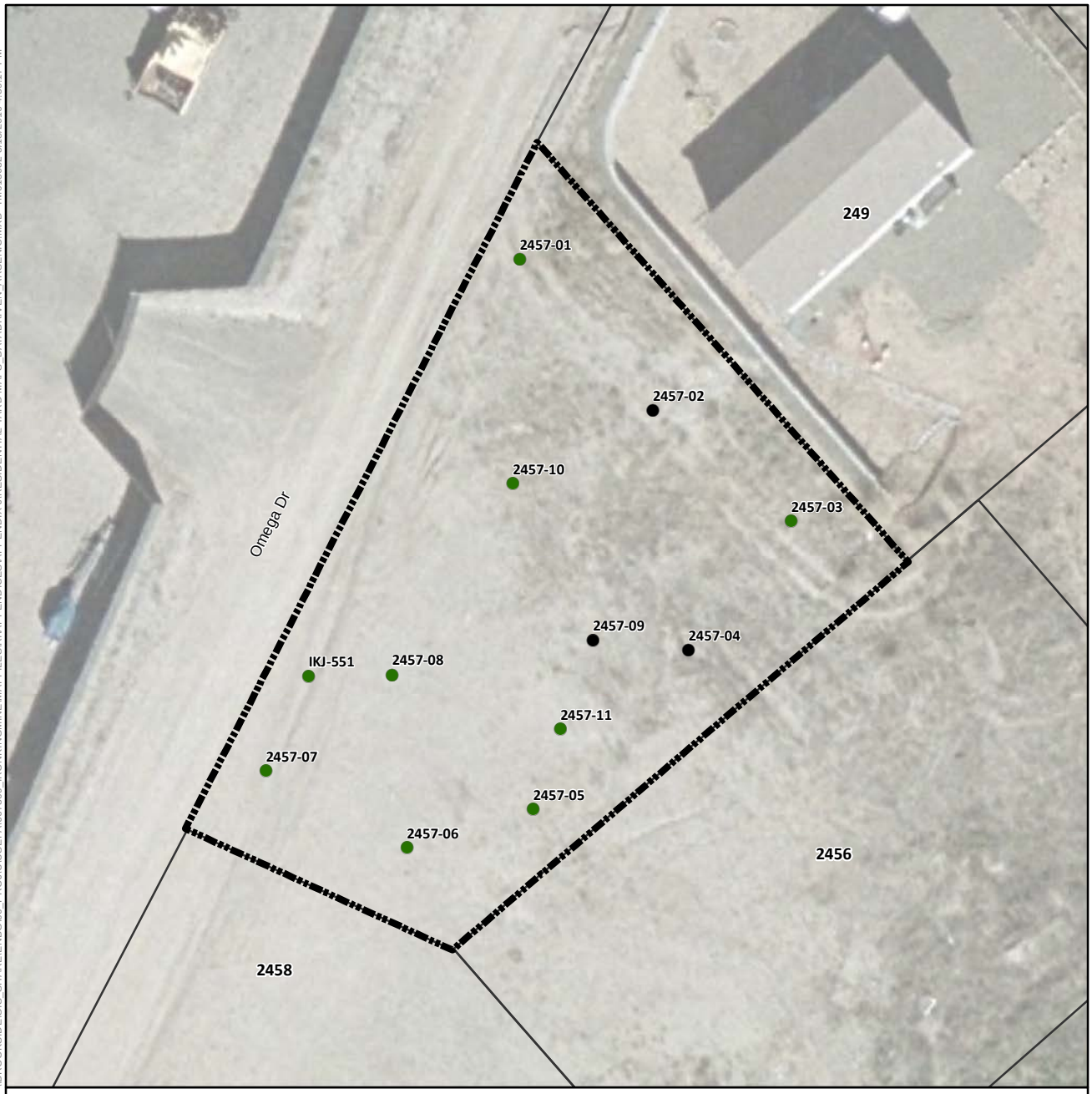


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2456 (Page 344 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



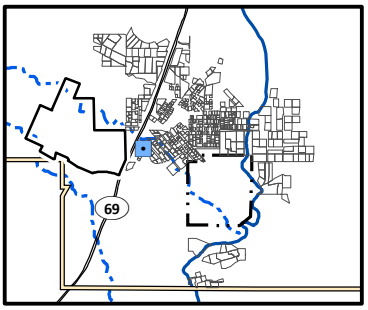
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

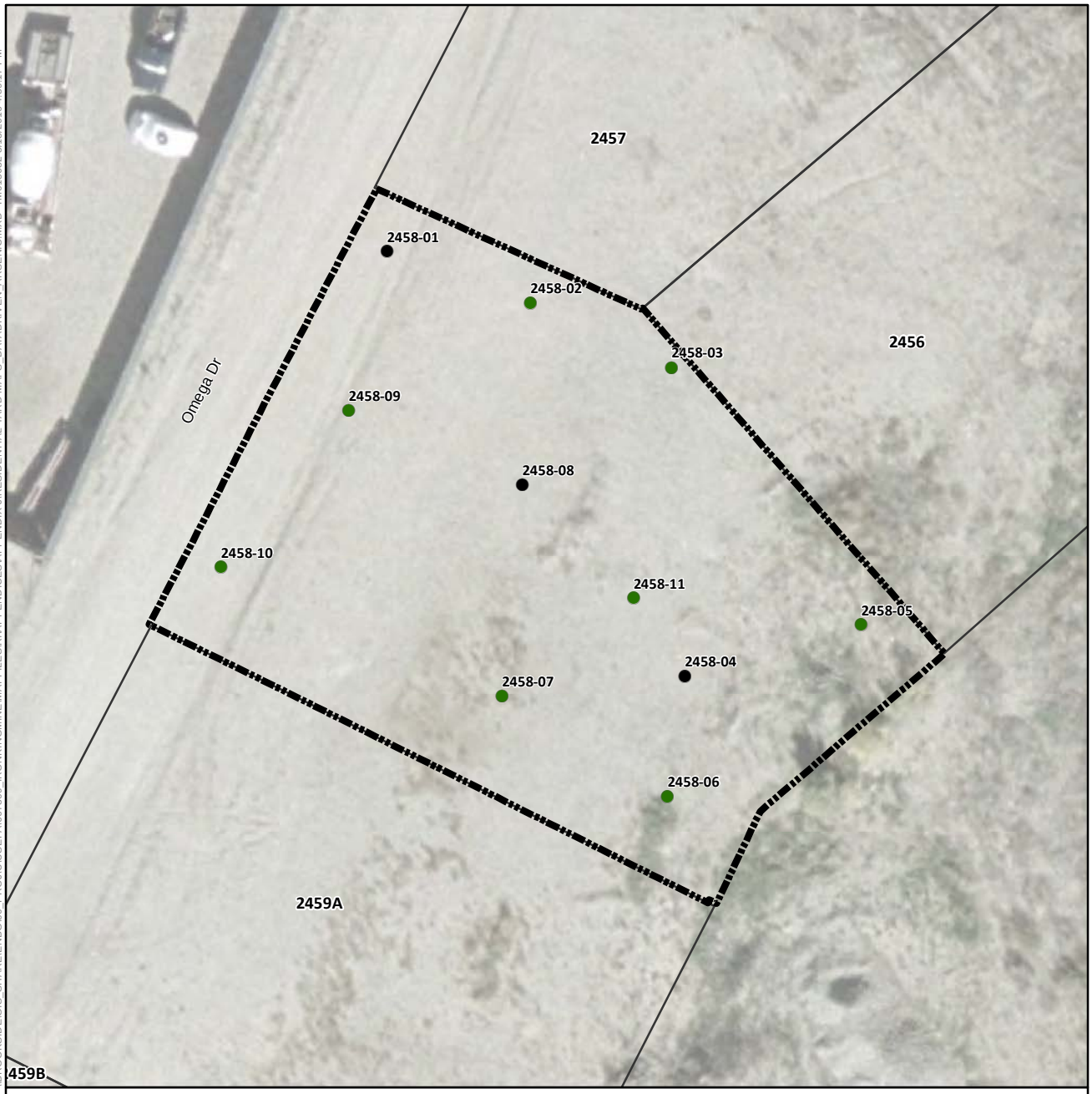


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2457 (Page 345 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



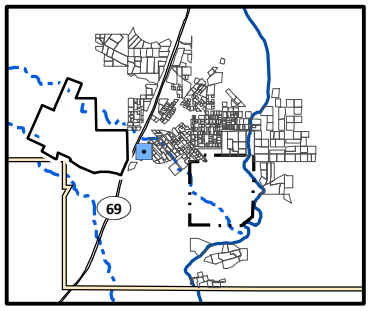
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2458 (Page 346 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



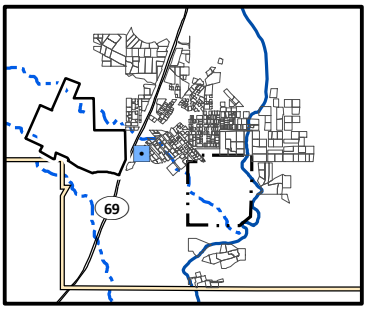
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2459A (Page 347 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



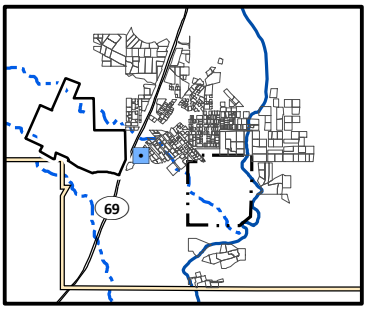
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

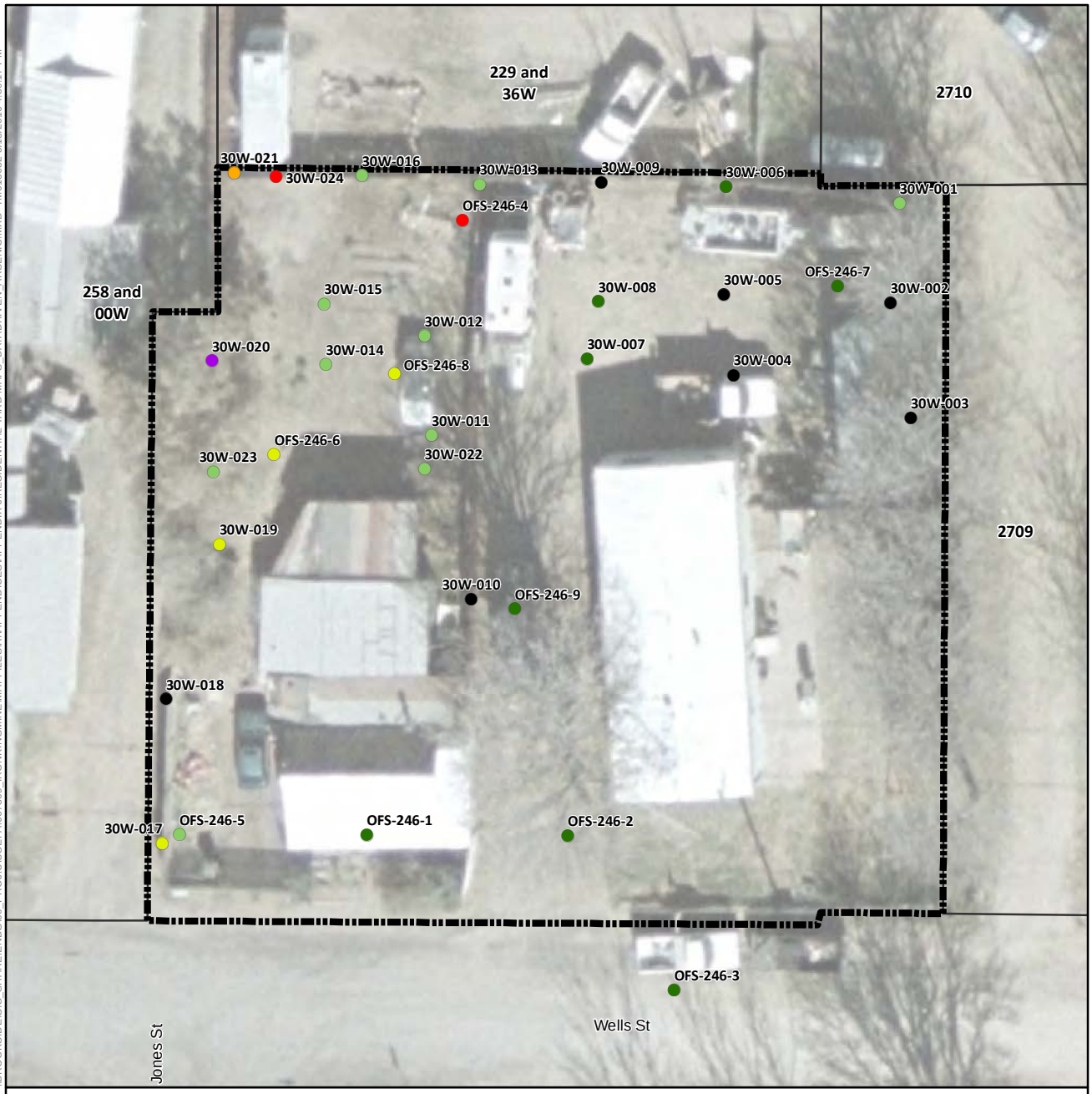


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2459B (Page 348 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



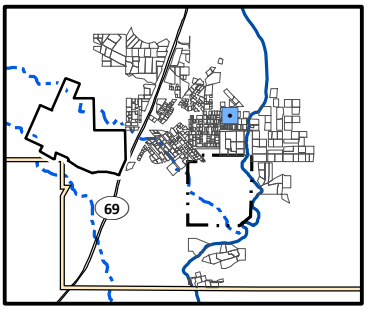
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 246 and 30W (Page 349 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



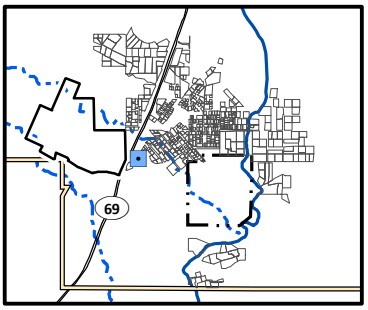
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

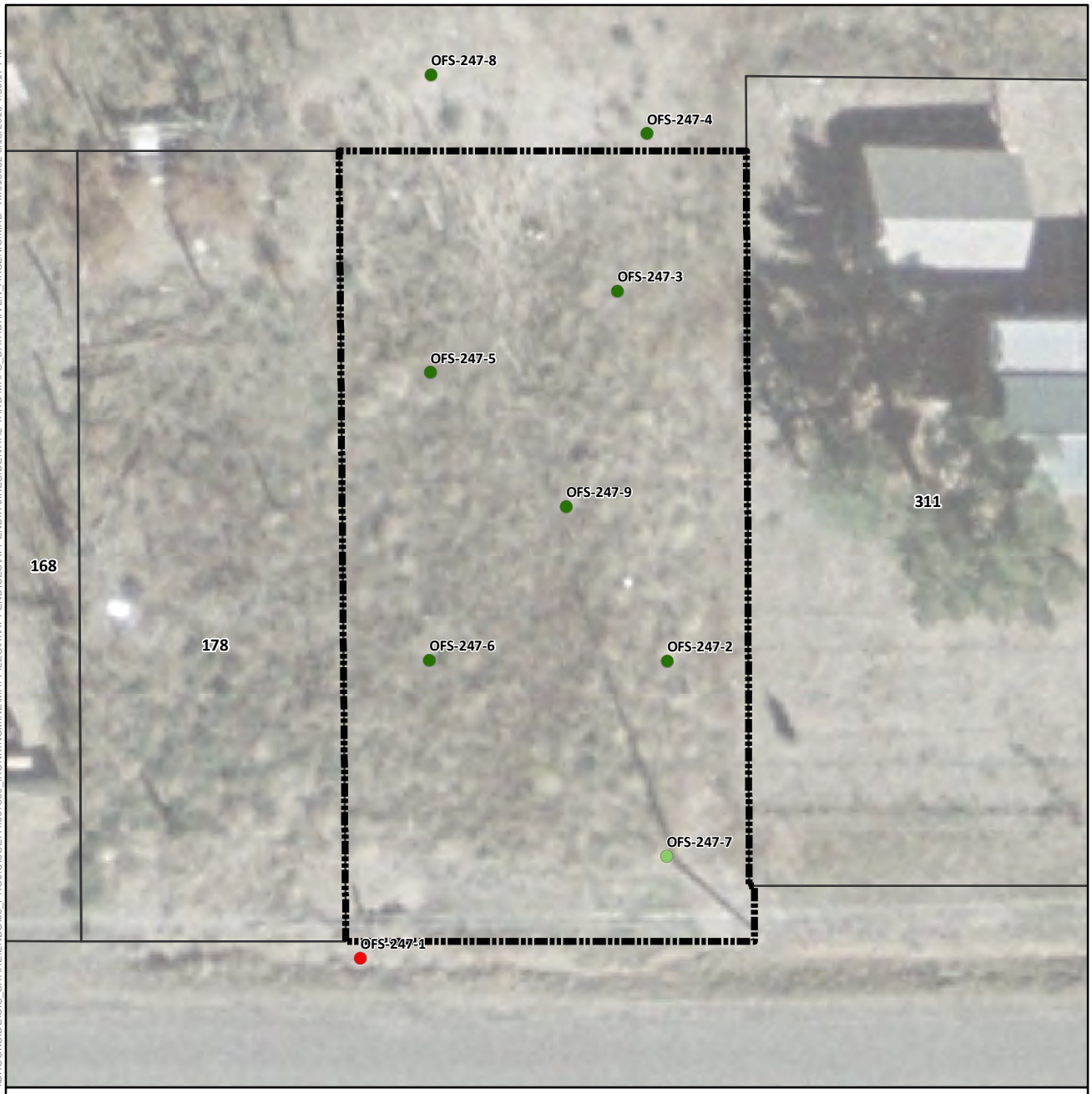
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2462 (Page 350 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



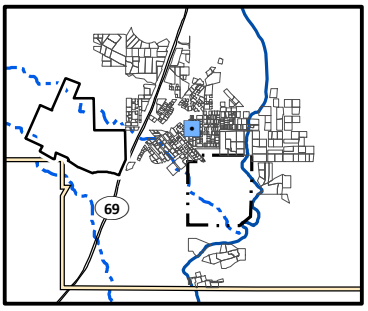
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 247 (Page 351 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



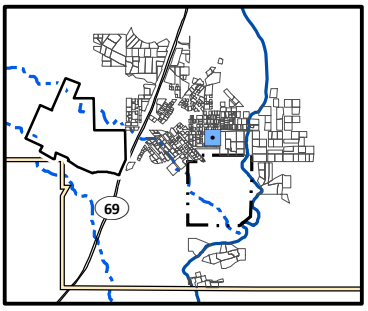
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

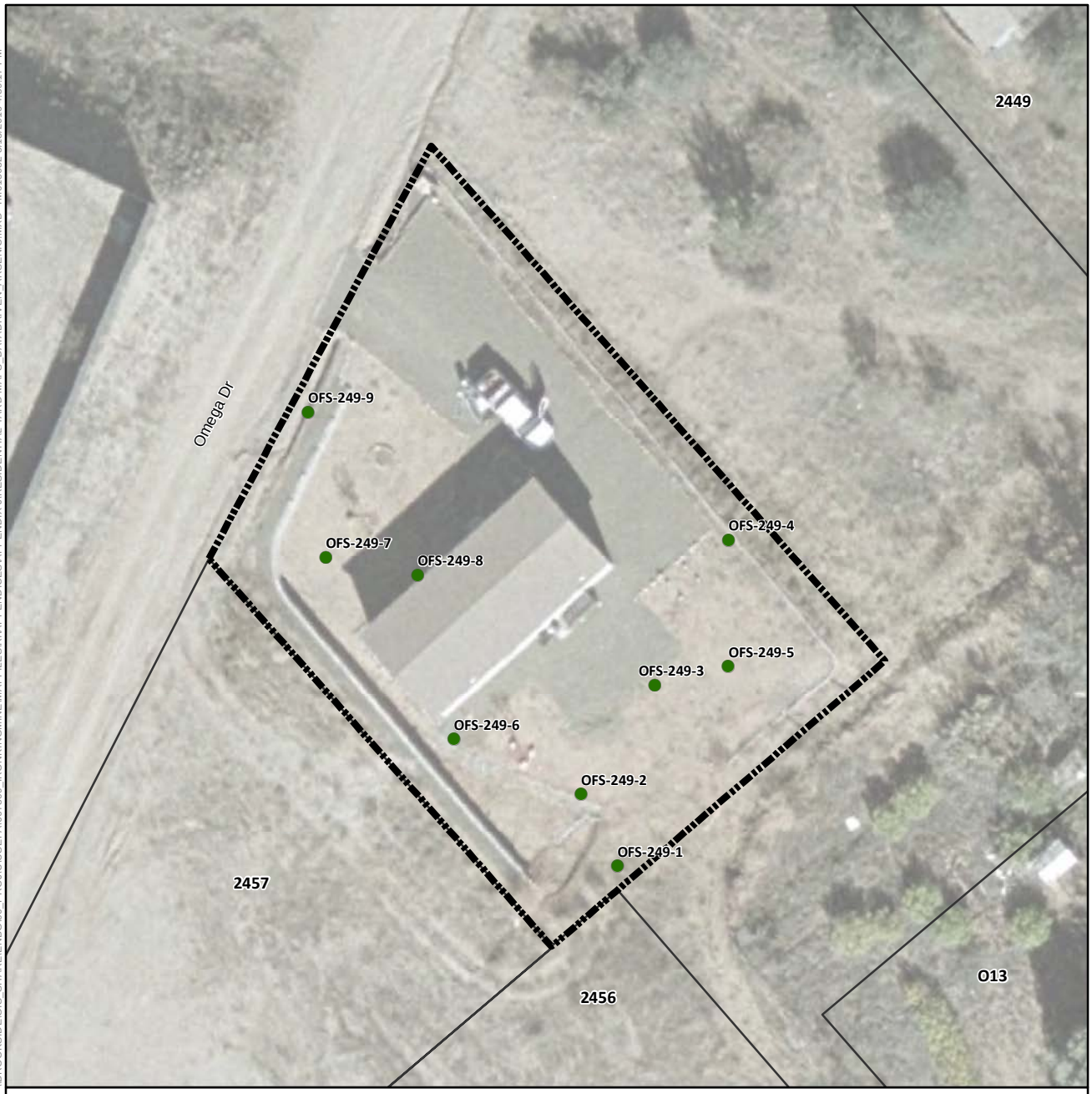


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 248 (Page 352 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



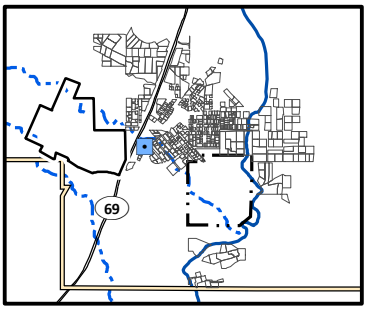
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

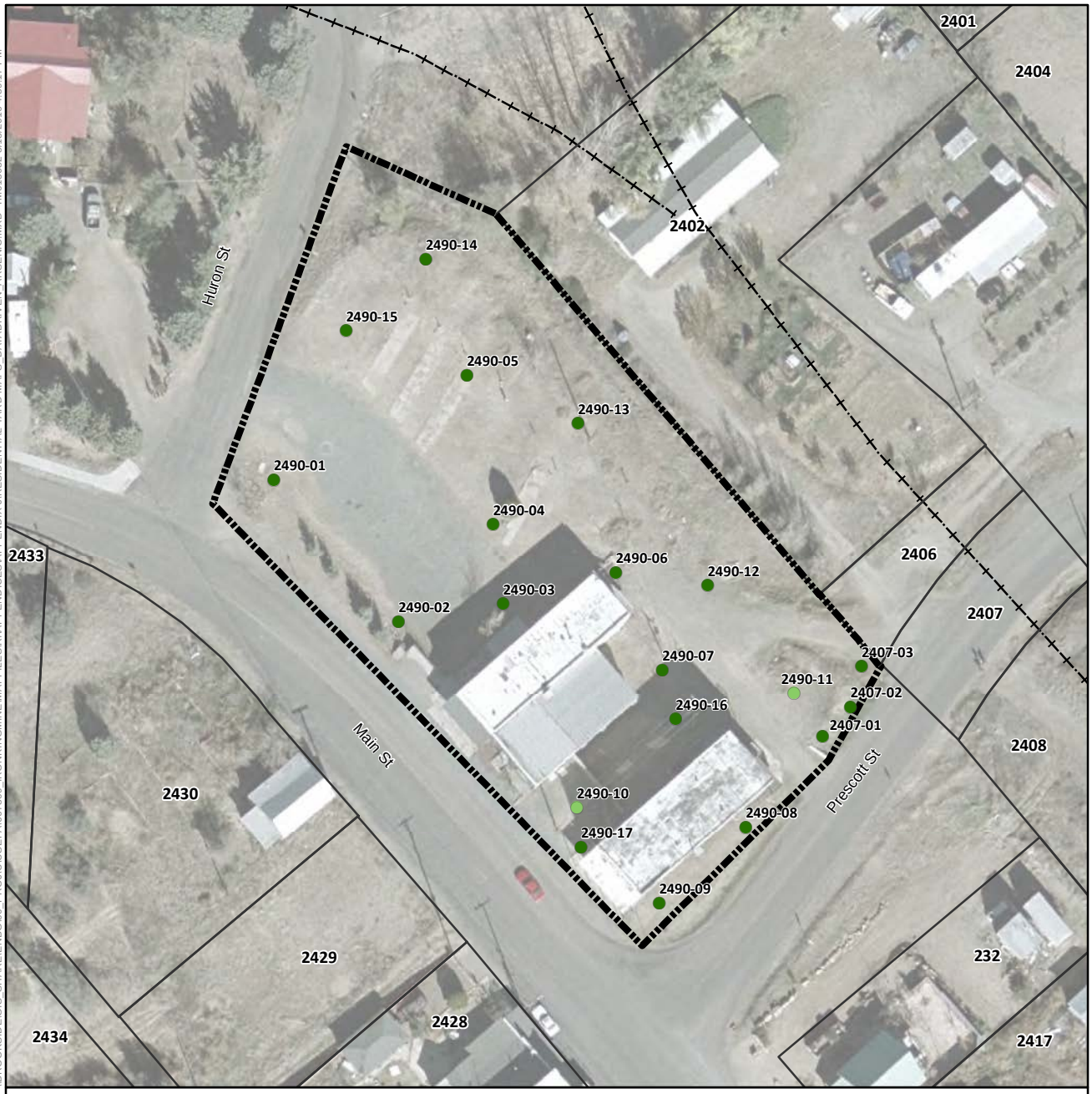


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 249 (Page 353 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



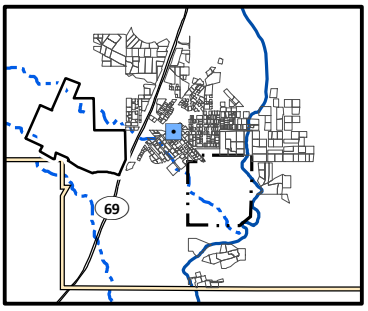
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

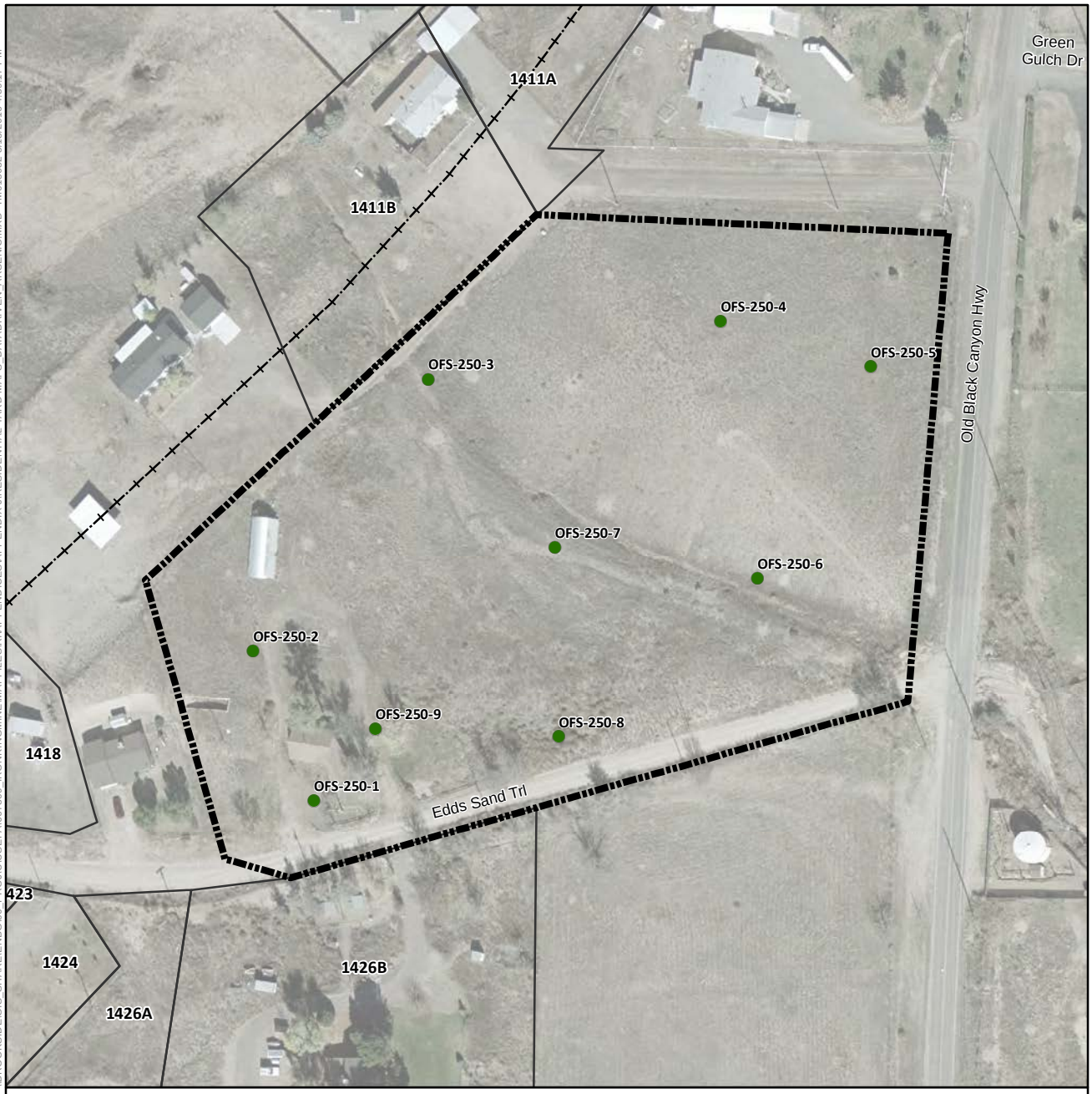


0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2490 (Page 354 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



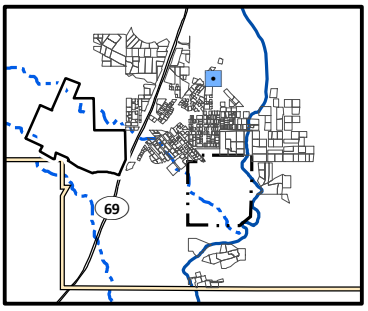
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 210
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 250 (Page 355 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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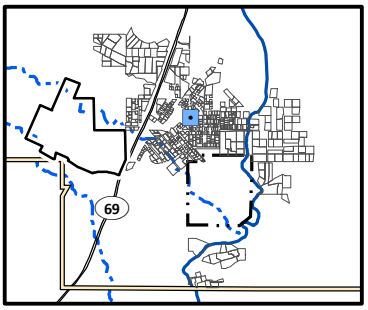


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2502 (Page 356 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



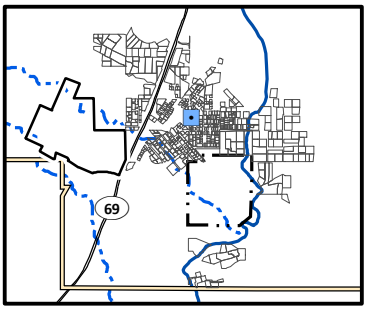
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2504 (Page 357 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



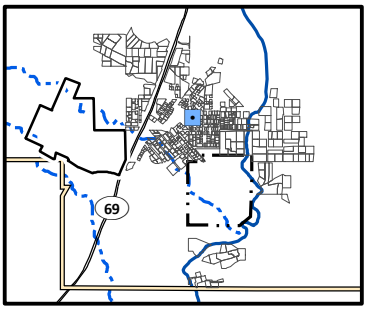
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2505 (Page 358 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



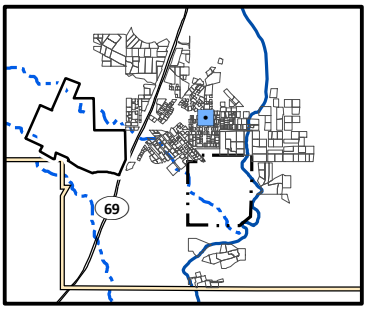
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

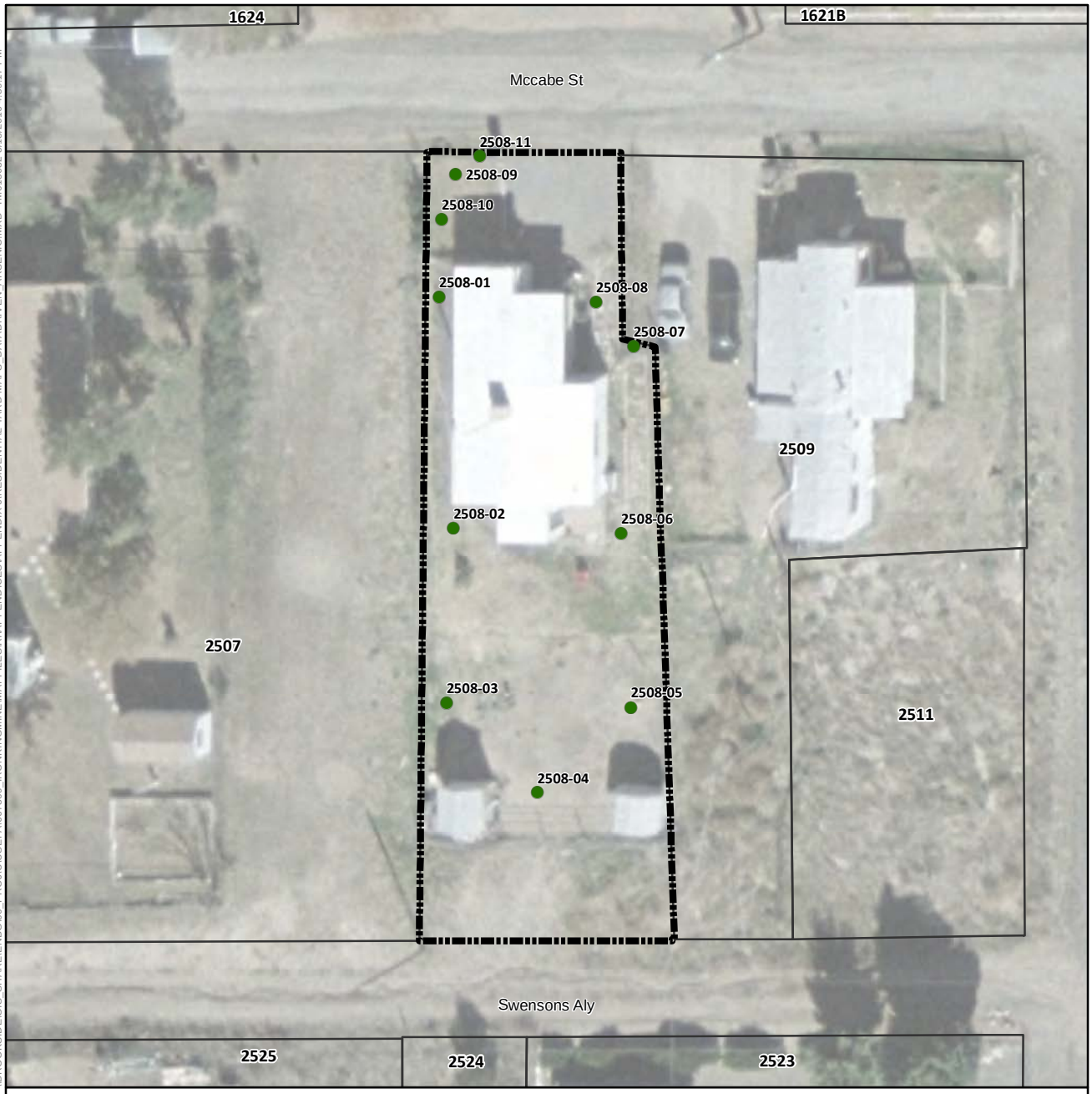


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2507 (Page 359 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



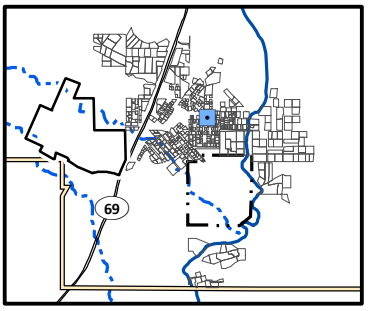
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

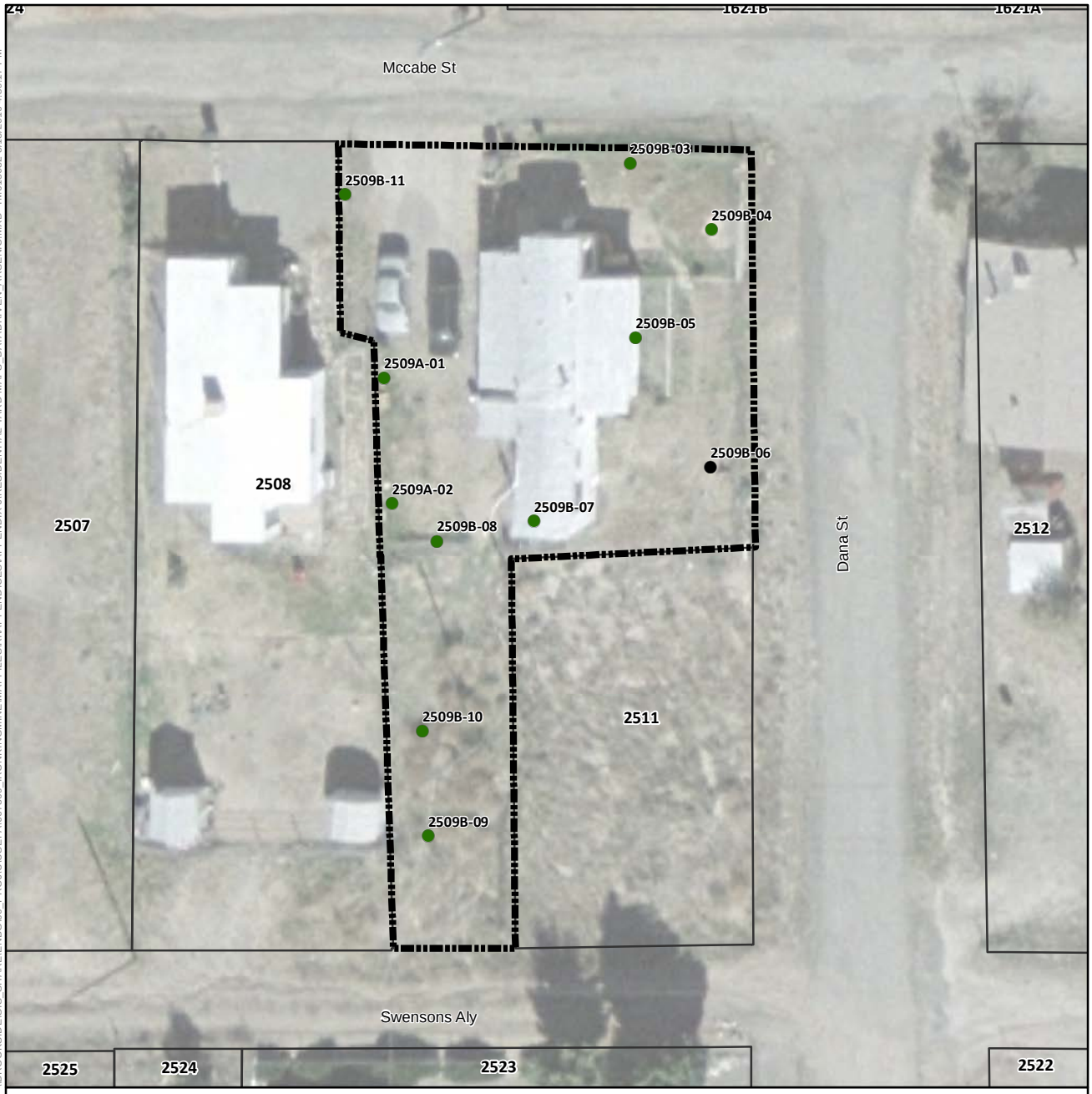


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2508 (Page 360 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



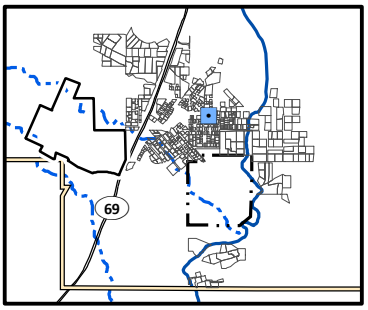
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

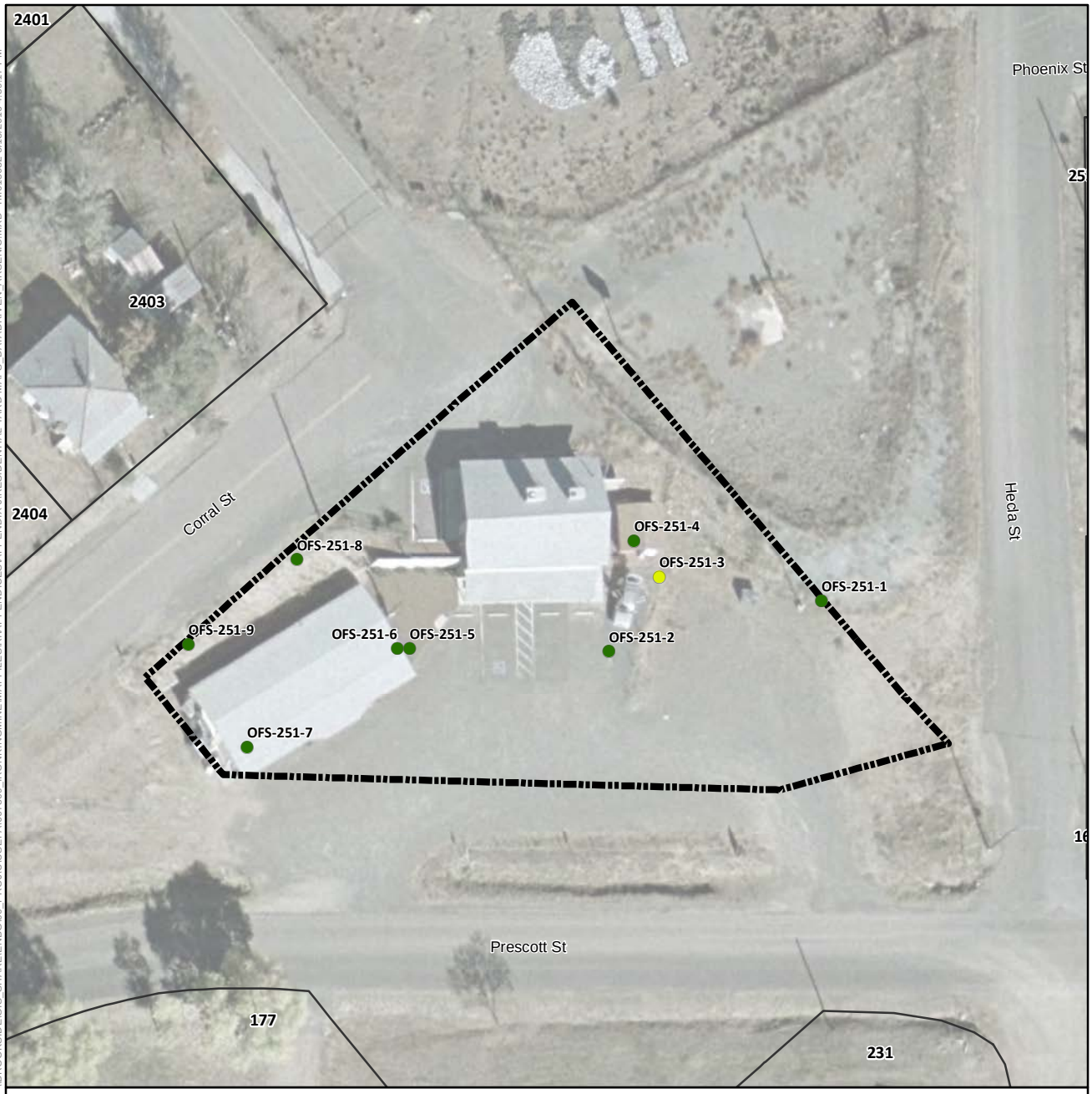


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2509 (Page 361 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



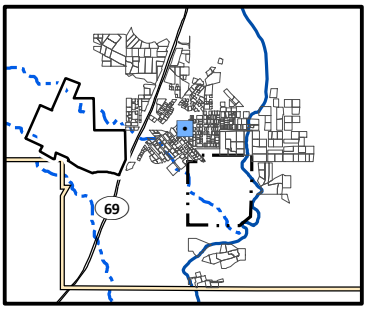
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 251 (Page 362 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



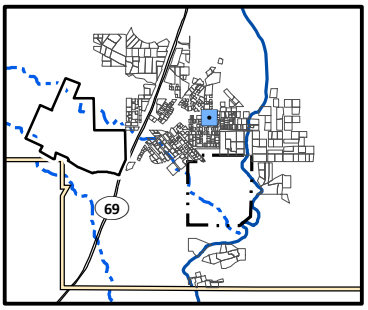
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 25
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2511 (Page 363 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



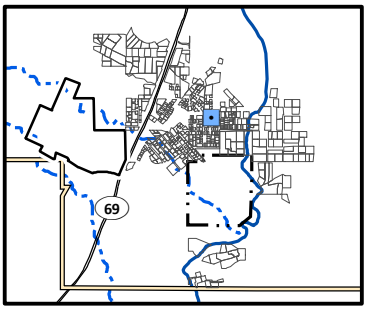
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2512 (Page 364 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



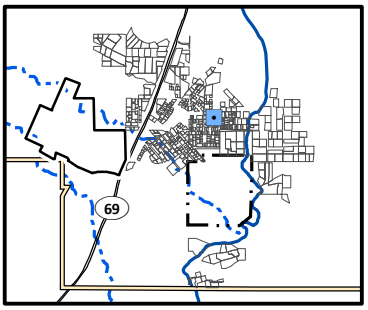
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

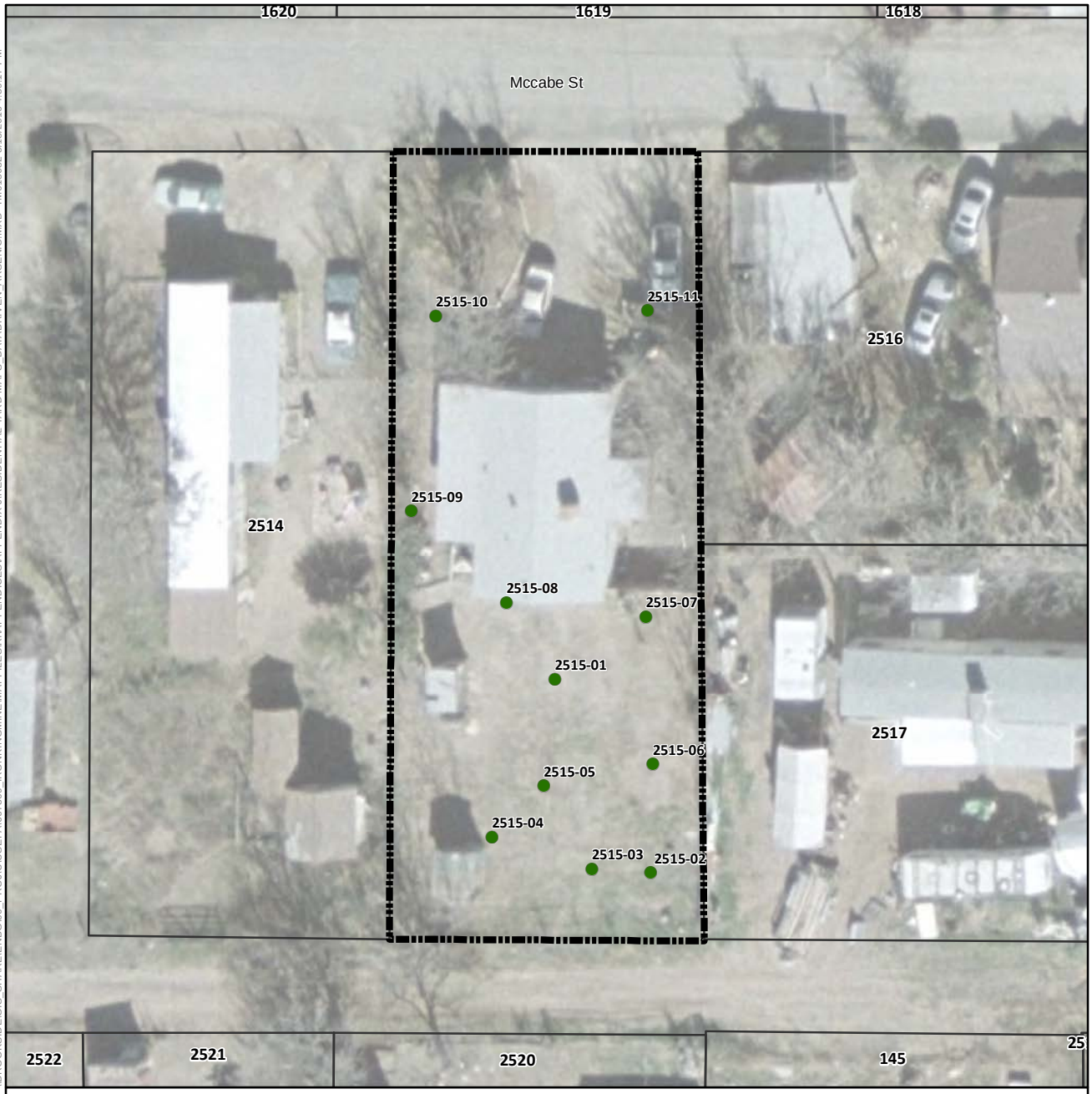


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2514 (Page 365 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



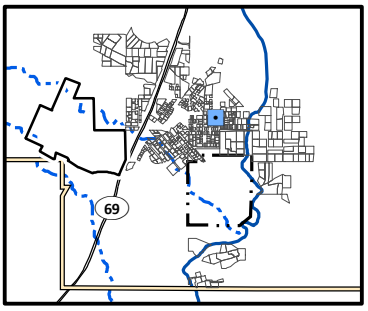
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2515 (Page 366 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



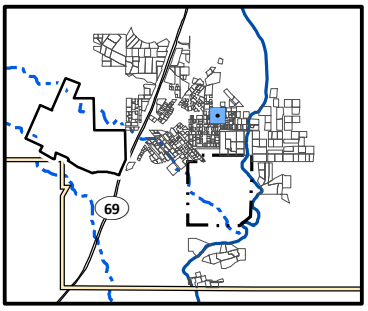
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2516 (Page 367 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

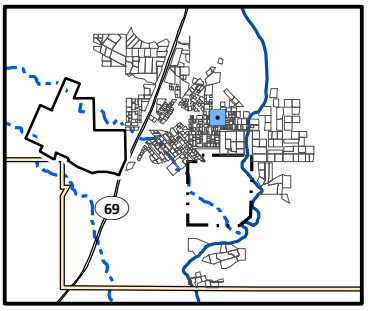


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2517 (Page 368 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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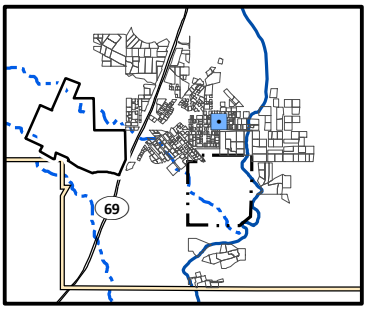
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

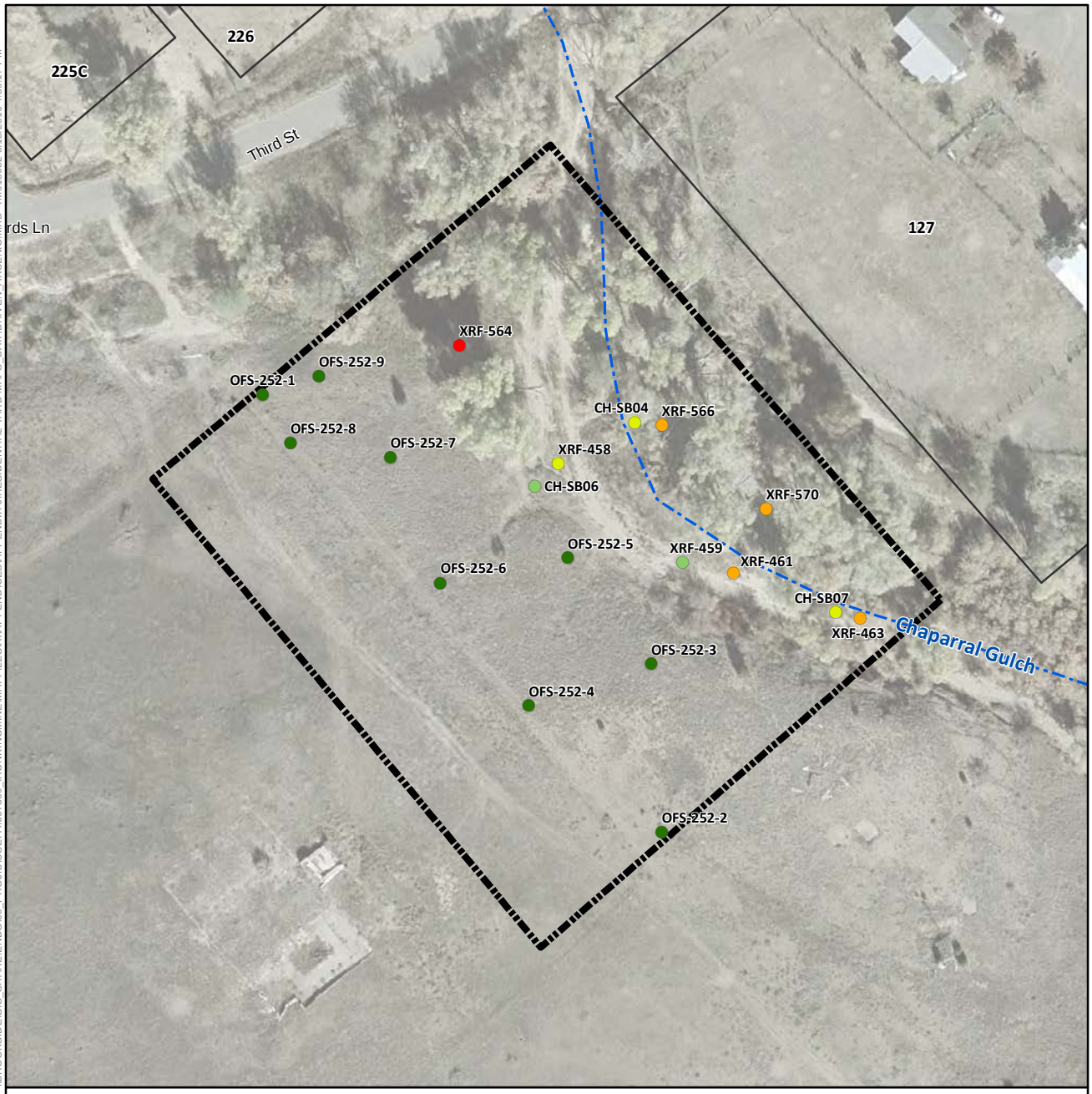


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2518 (Page 369 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



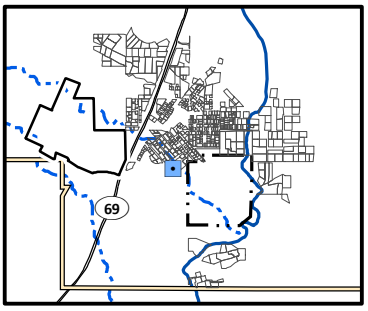
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 180
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 252 (Page 370 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



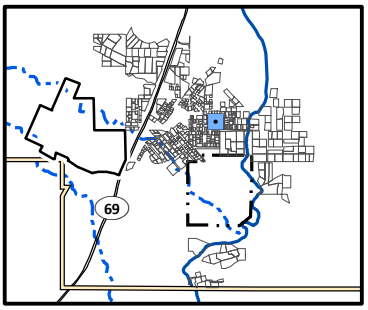
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2520 (Page 371 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



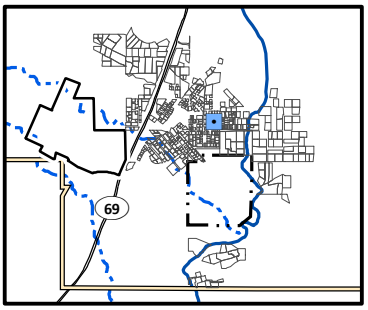
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2521 (Page 372 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



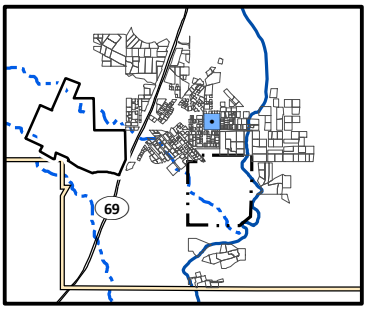
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2522 (Page 373 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



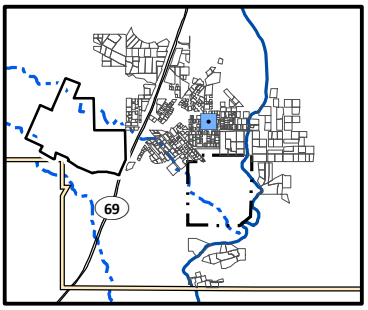
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2523 (Page 374 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



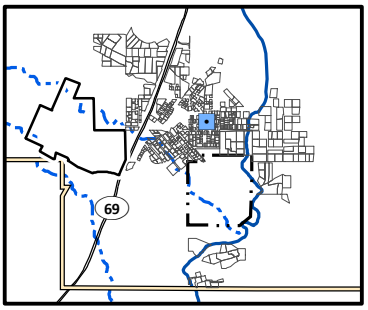
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2524 (Page 375 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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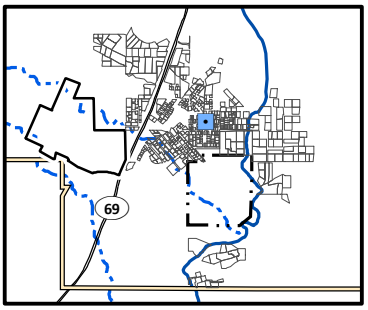


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

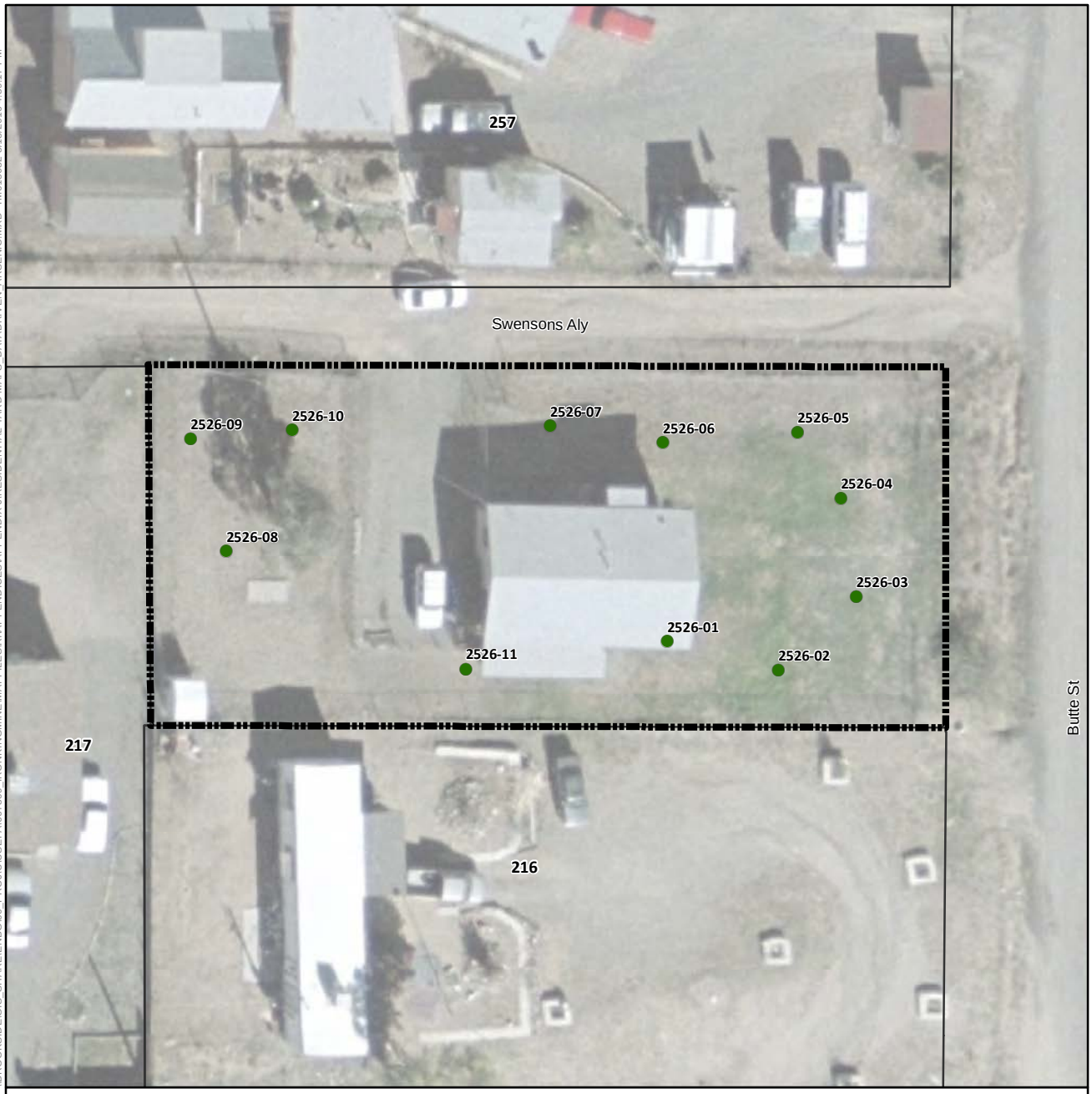


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2525 (Page 376 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



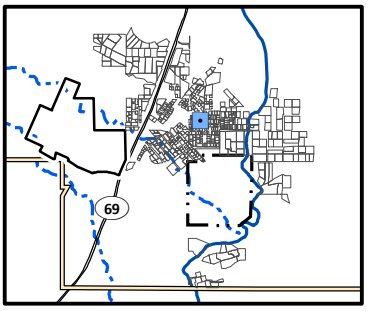
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2526 (Page 377 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



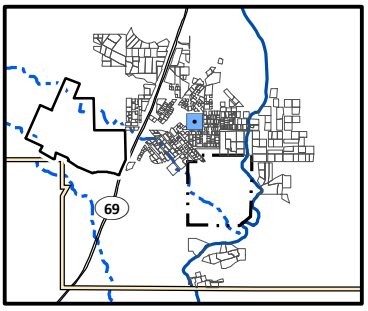
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2527 (Page 378 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



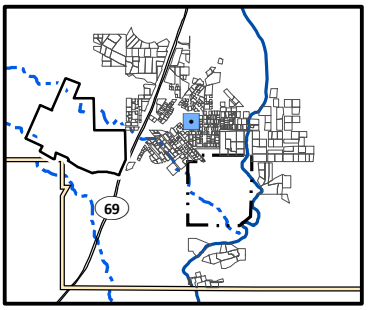
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2529 (Page 379 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



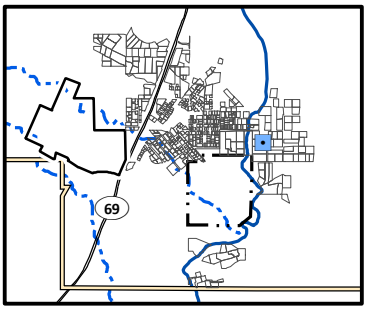
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 253 (Page 380 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



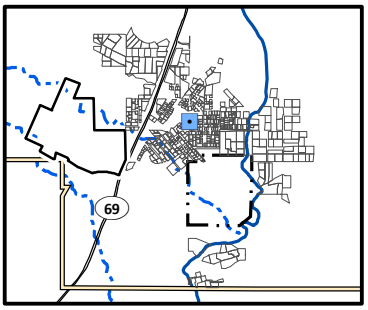
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2530 (Page 381 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



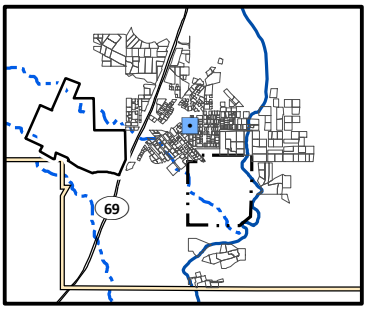
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 2532 (Page 382 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\US\EPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

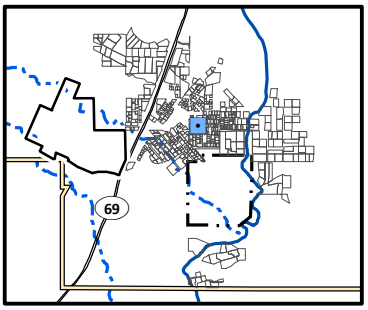


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

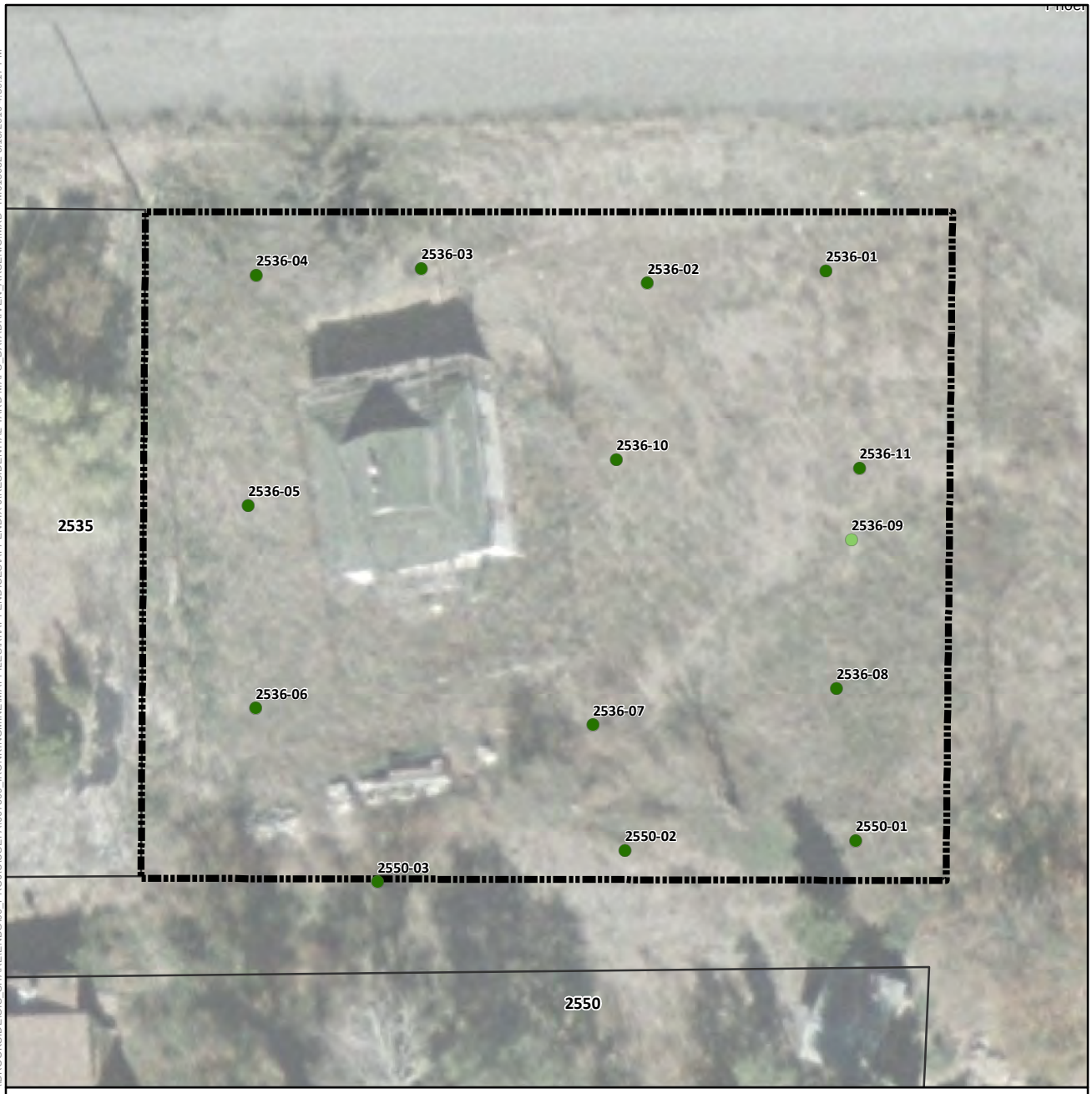


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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 2535 (Page 383 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



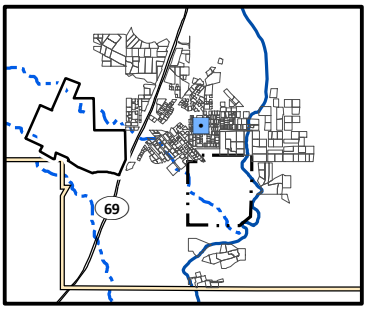
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

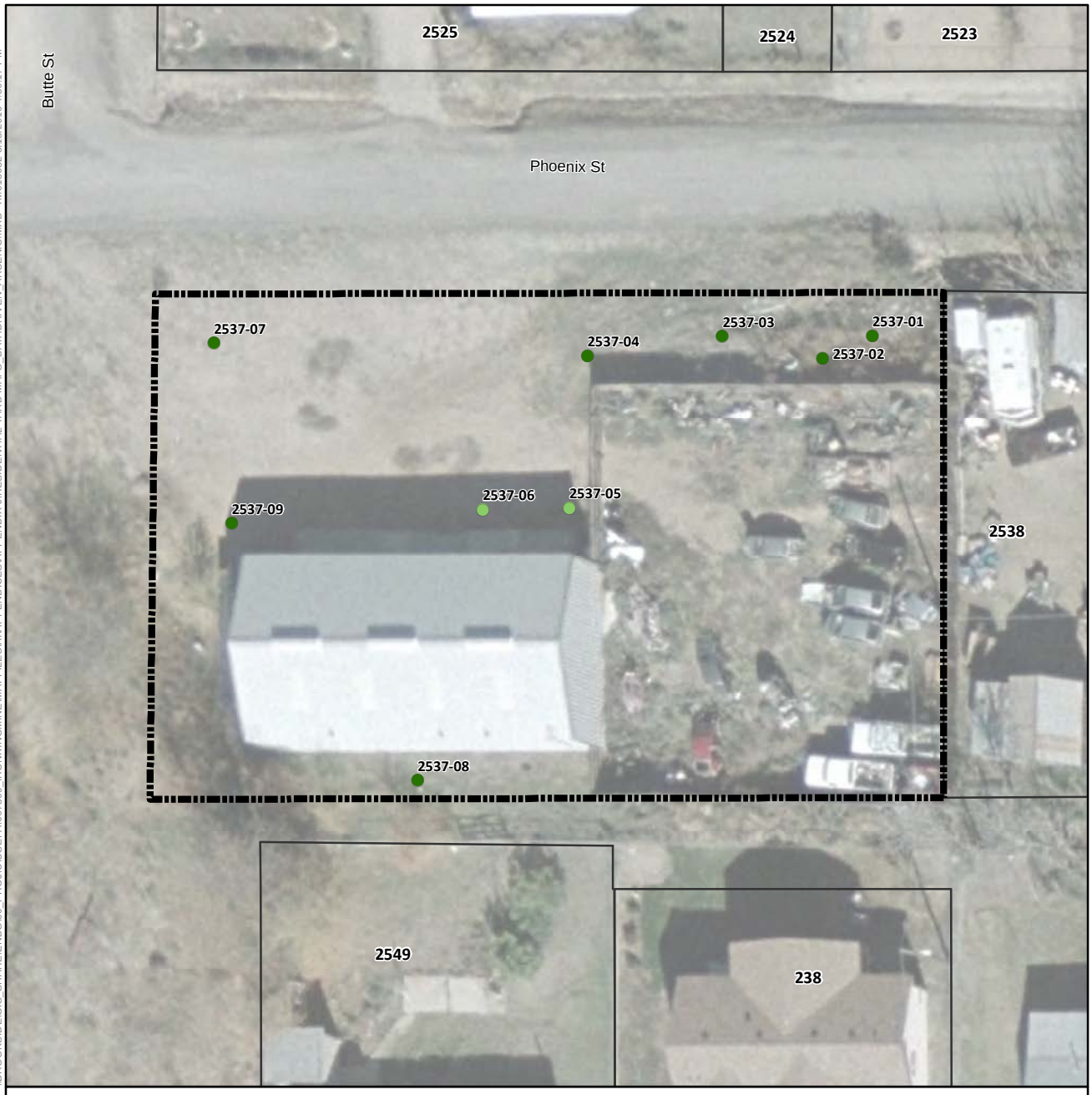


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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 2536 (Page 384 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



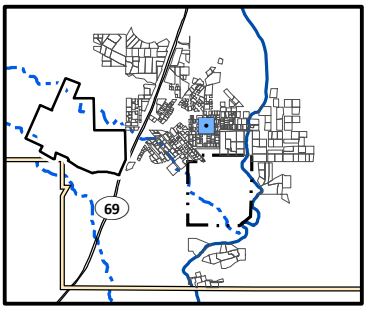
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 2537 (Page 385 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



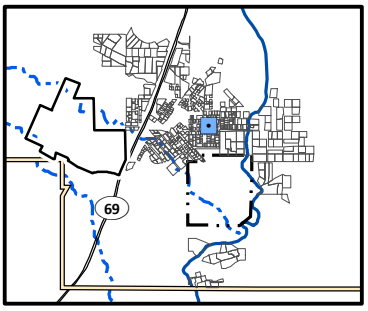
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 2538 (Page 386 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



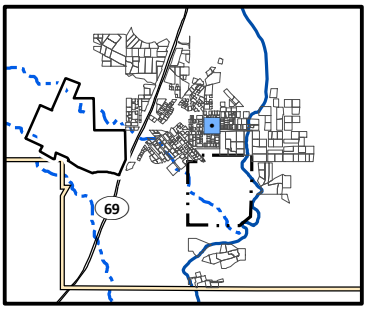
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 2539 (Page 387 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



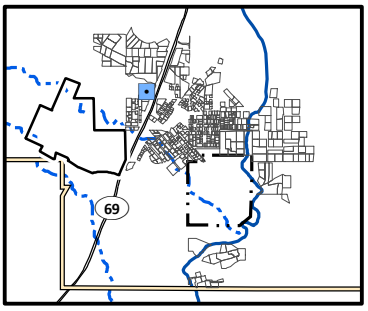
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 254 (Page 388 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



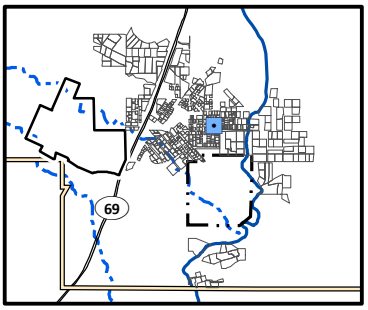
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 2540 (Page 389 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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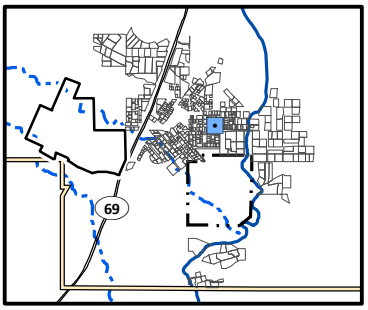


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2541 (Page 390 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



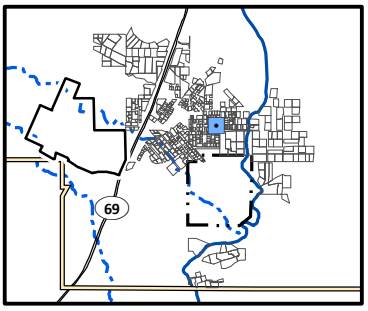
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2542 (Page 391 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



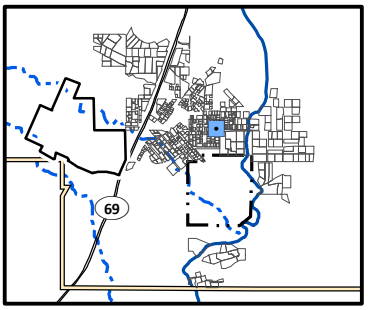
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 2545 (Page 392 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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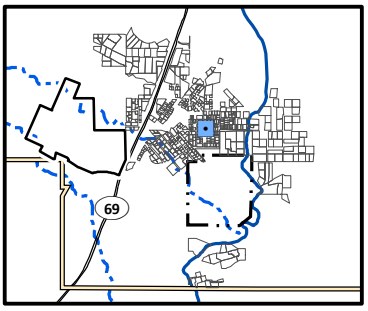


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

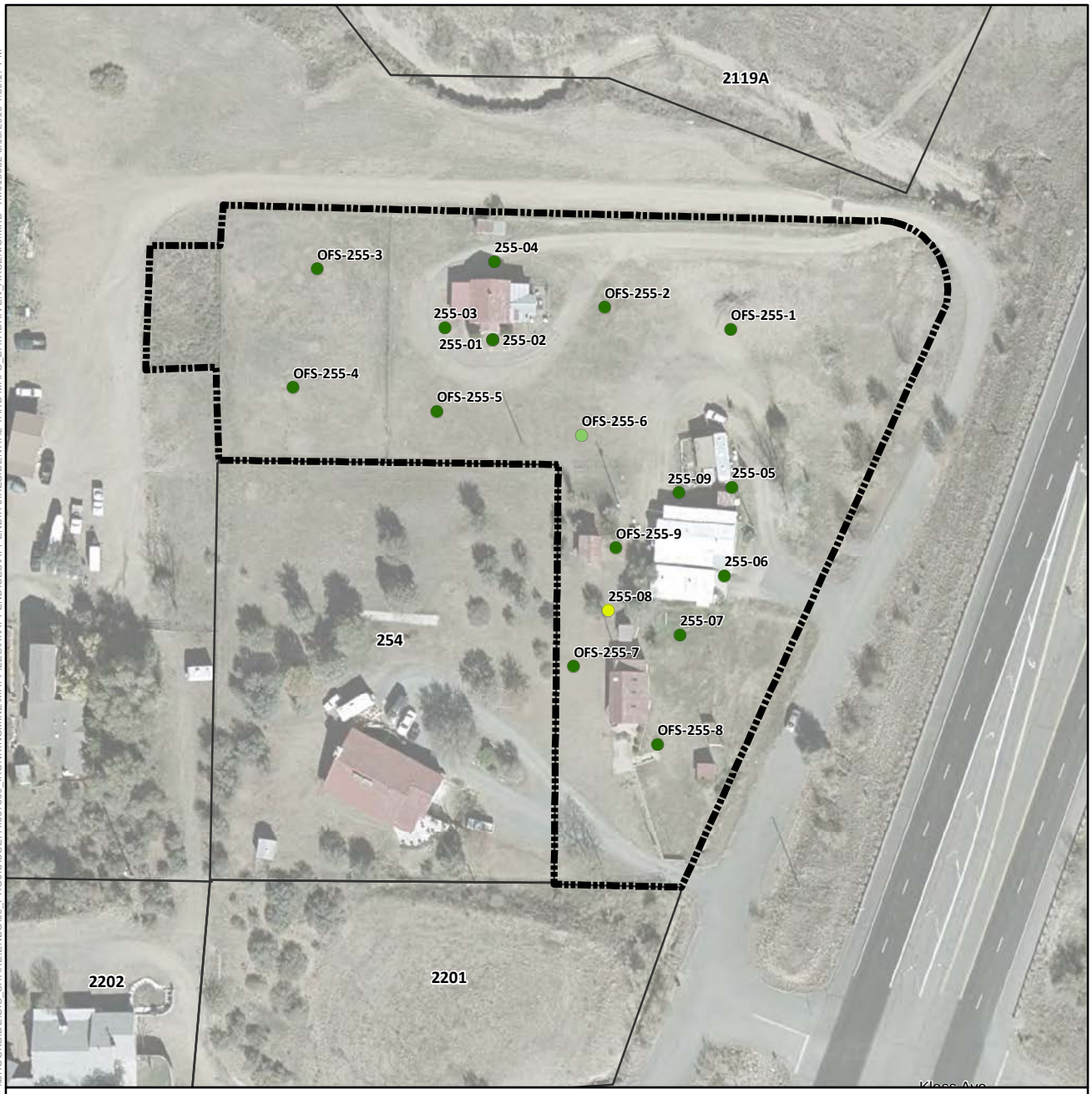


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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 2549 (Page 393 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



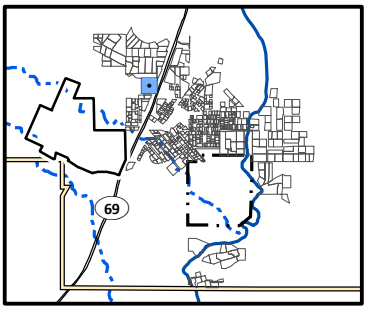
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 170
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 255 (Page 394 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



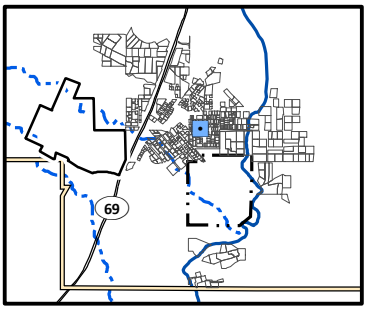
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

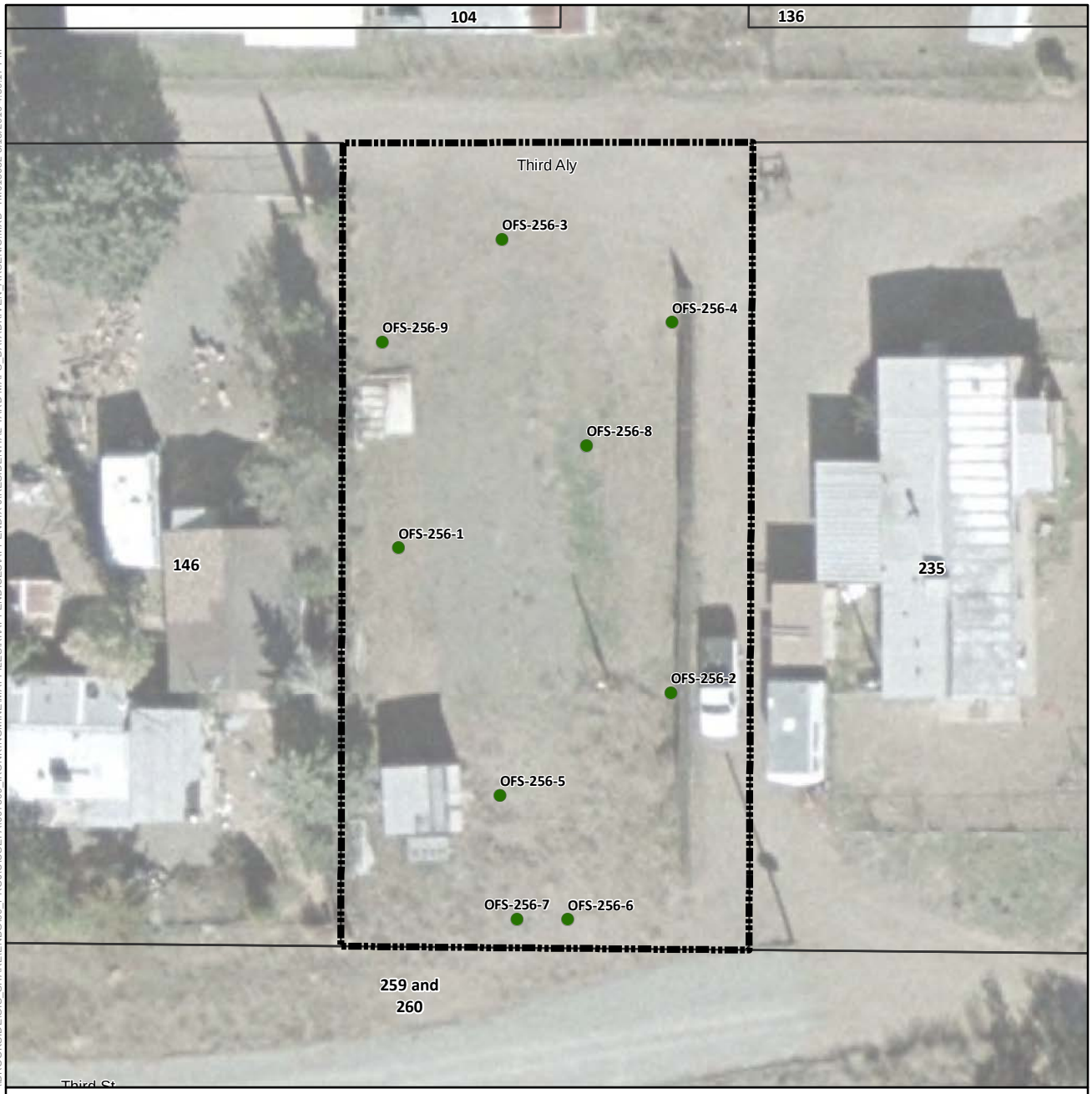


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2550 (Page 395 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

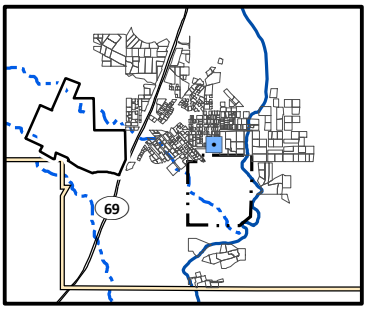


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 256 (Page 396 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJU\USEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

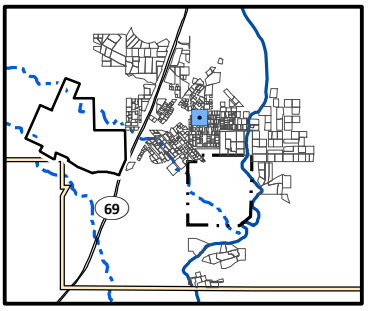


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

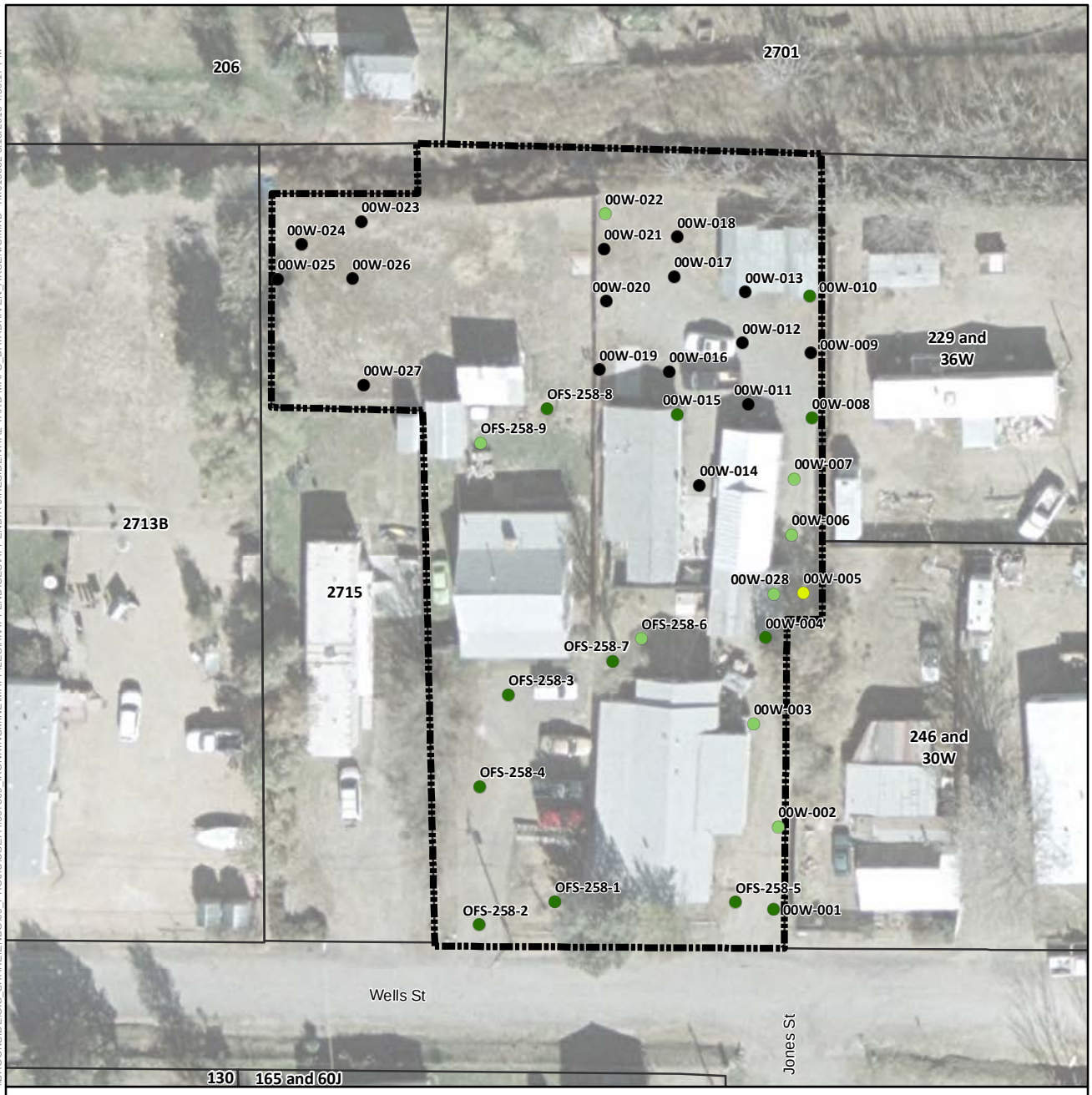


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Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 257 (Page 397 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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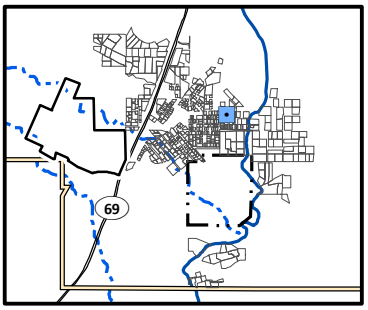
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

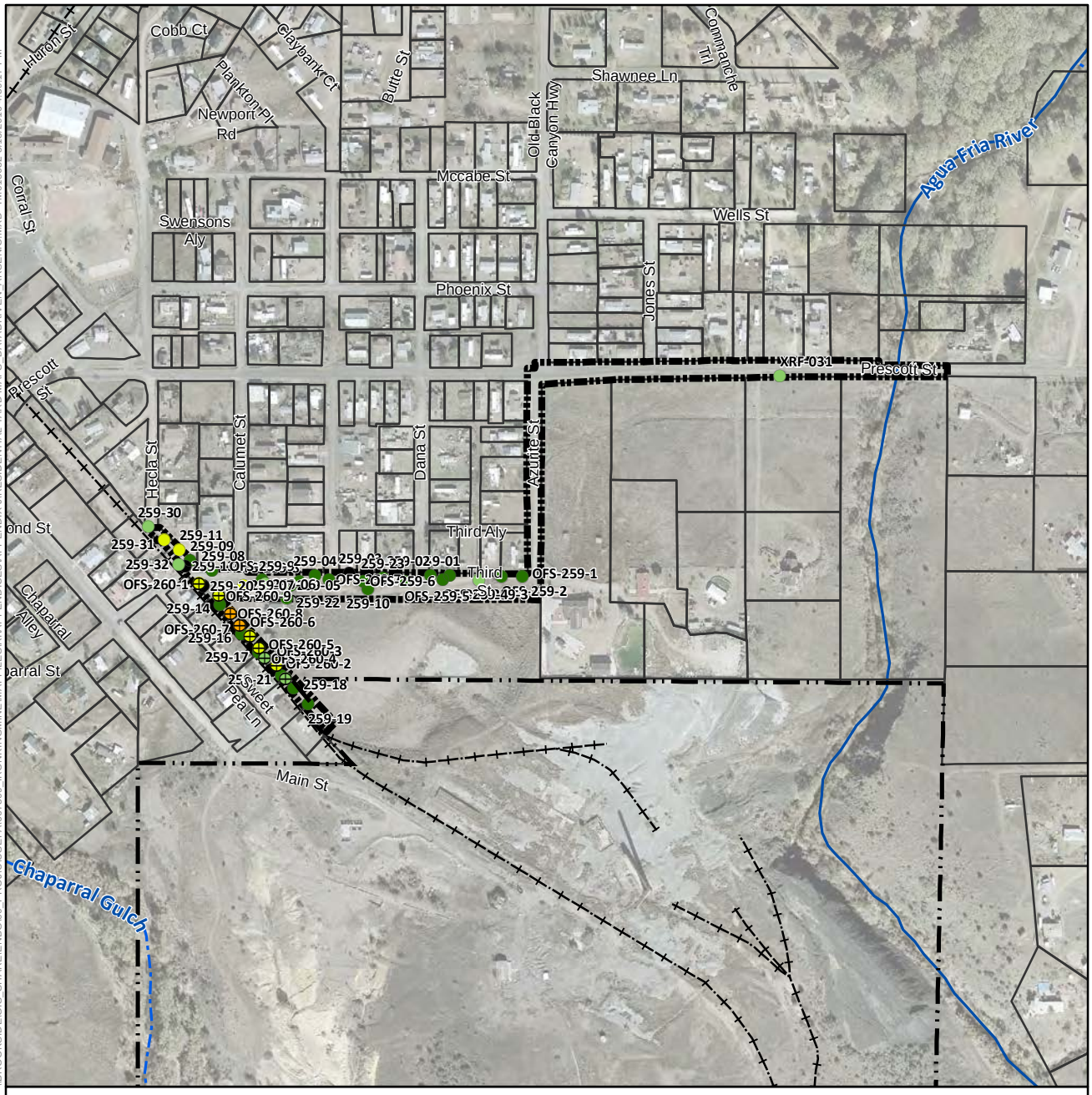
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 258 and 00W (Page 398 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

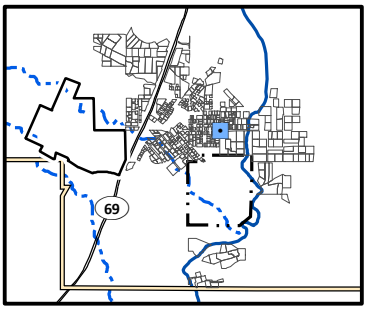


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 870
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 259 and 260 (Page 399 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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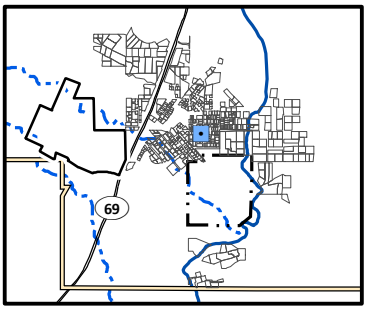
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

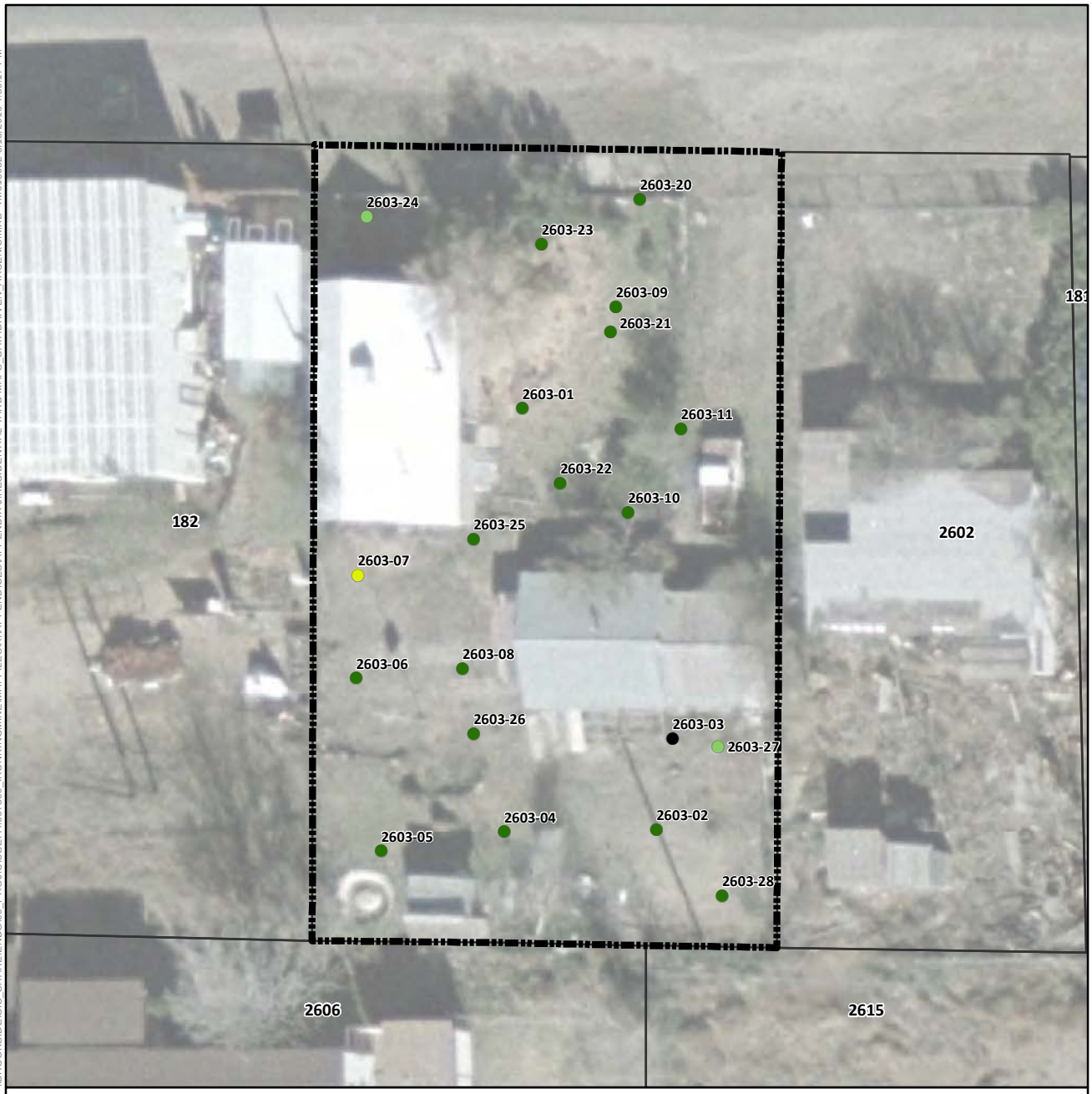


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2602 (Page 400 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



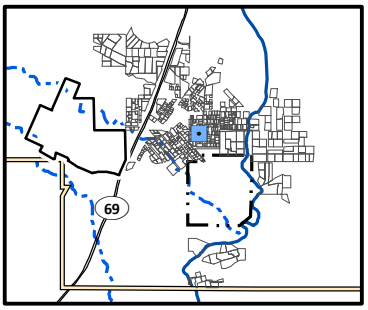
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2603 (Page 401 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



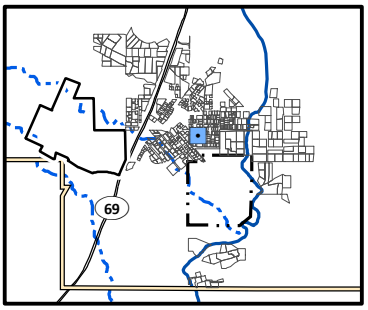
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

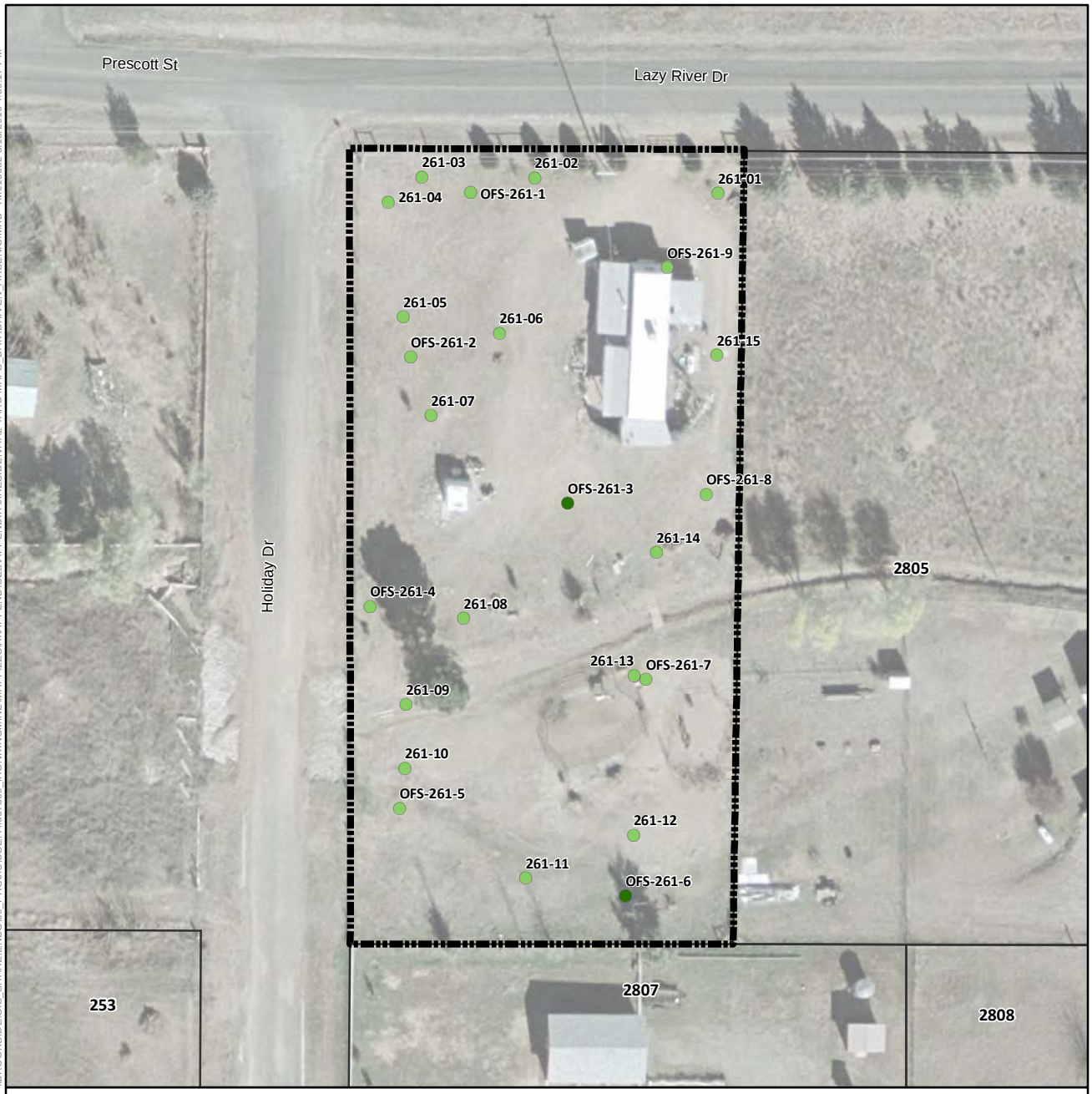


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2606 (Page 402 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



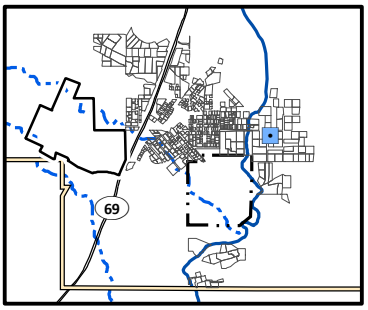
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 261 (Page 403 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



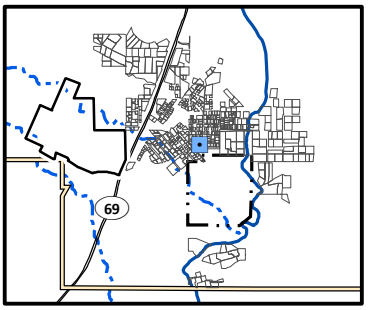
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2610 (Page 404 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



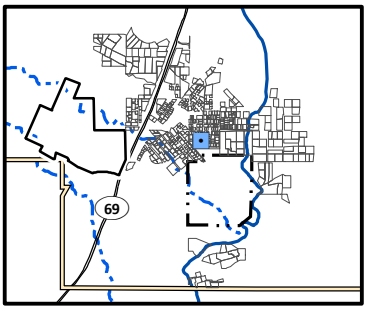
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

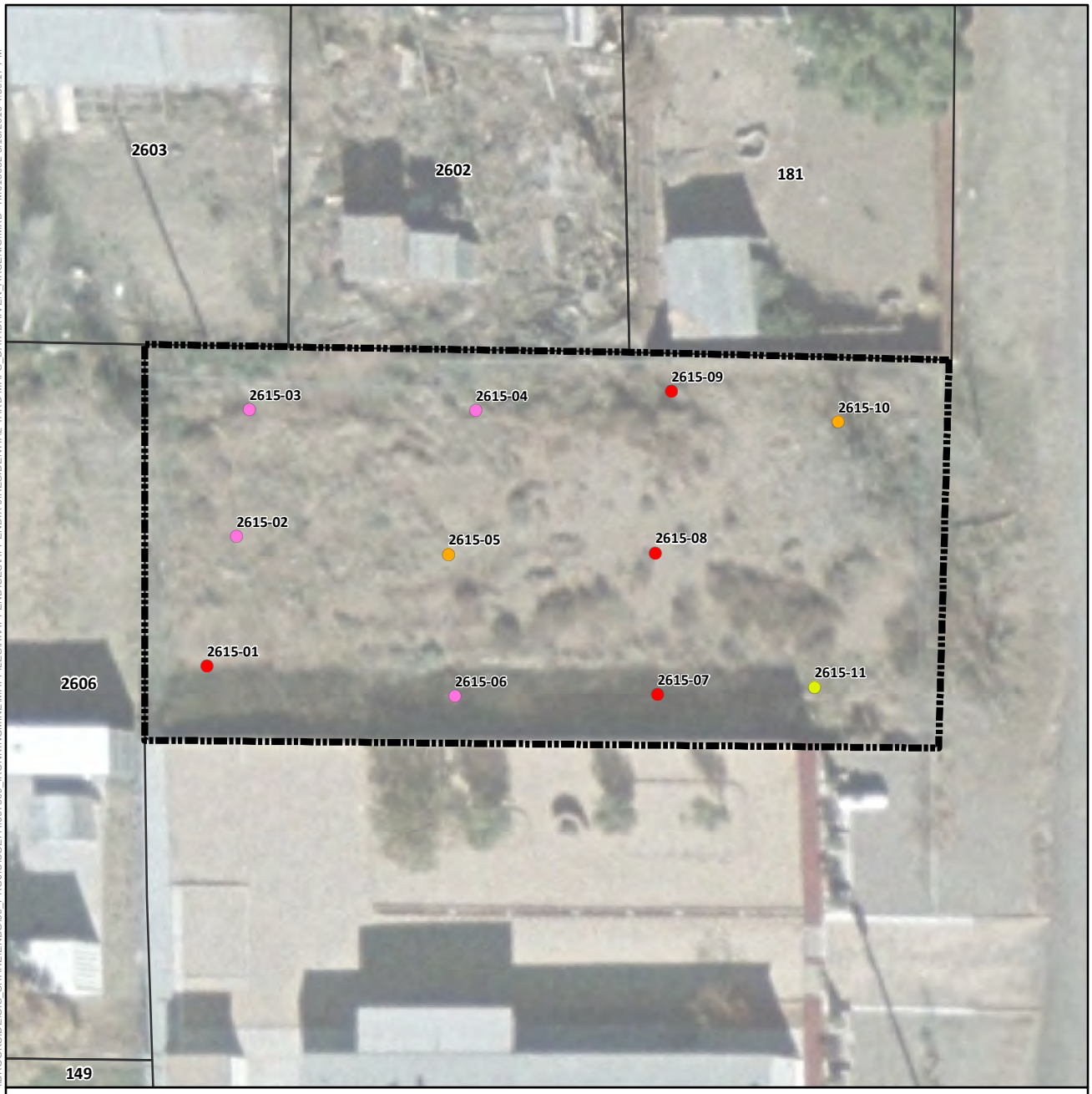


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2612 (Page 405 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



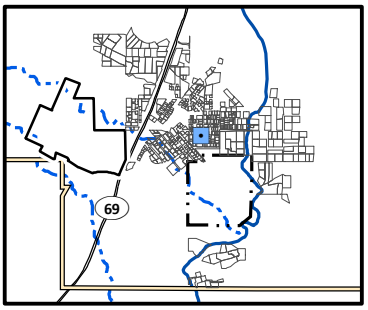
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2615 (Page 406 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



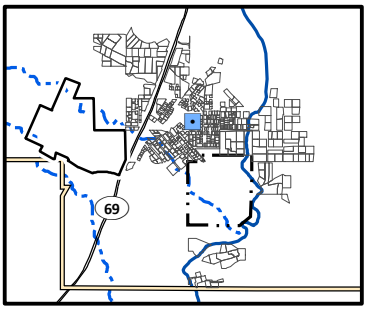
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 262 (Page 407 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



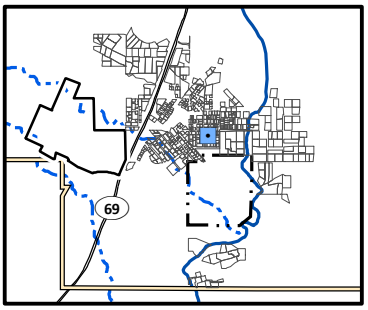
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 263 (Page 408 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



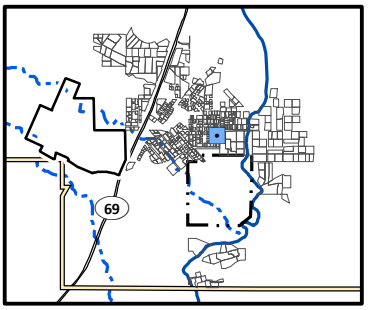
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 265 (Page 409 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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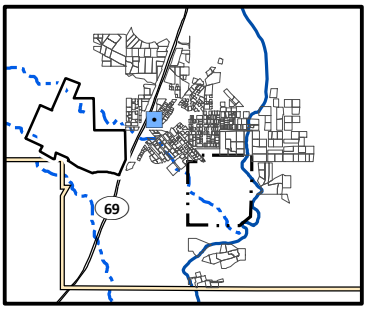


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

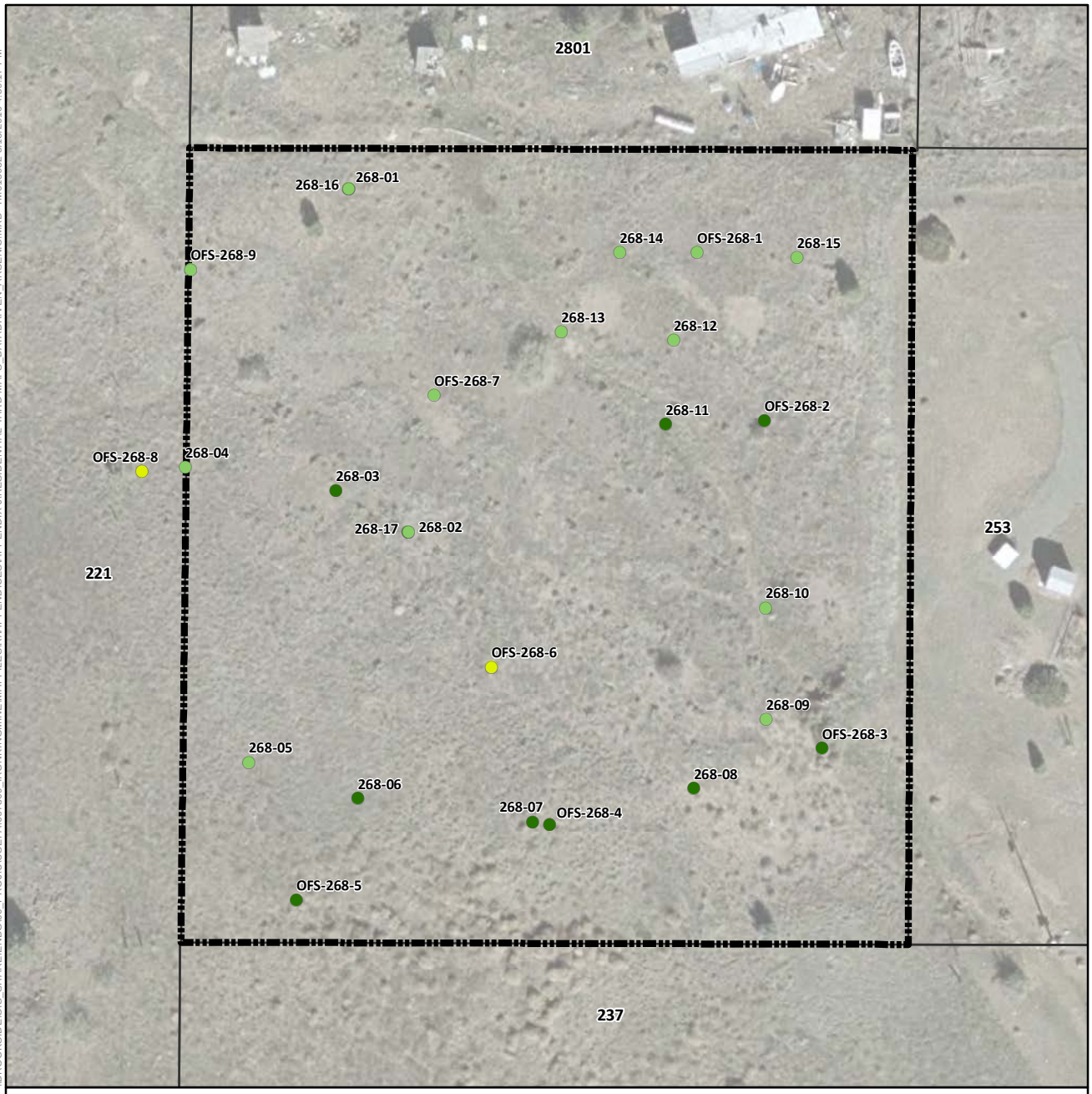


0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 267 (Page 410 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



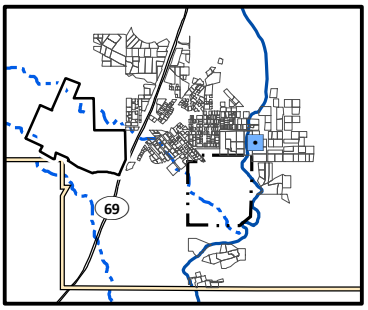
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 268 (Page 411 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



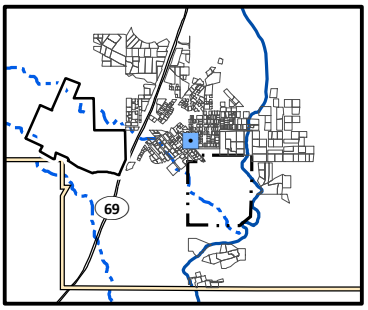
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2691 (Page 412 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

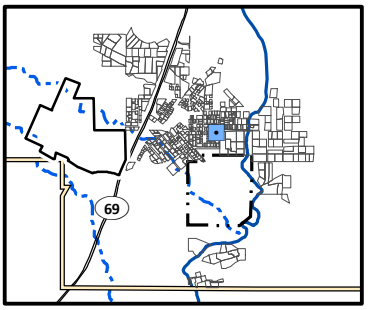


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



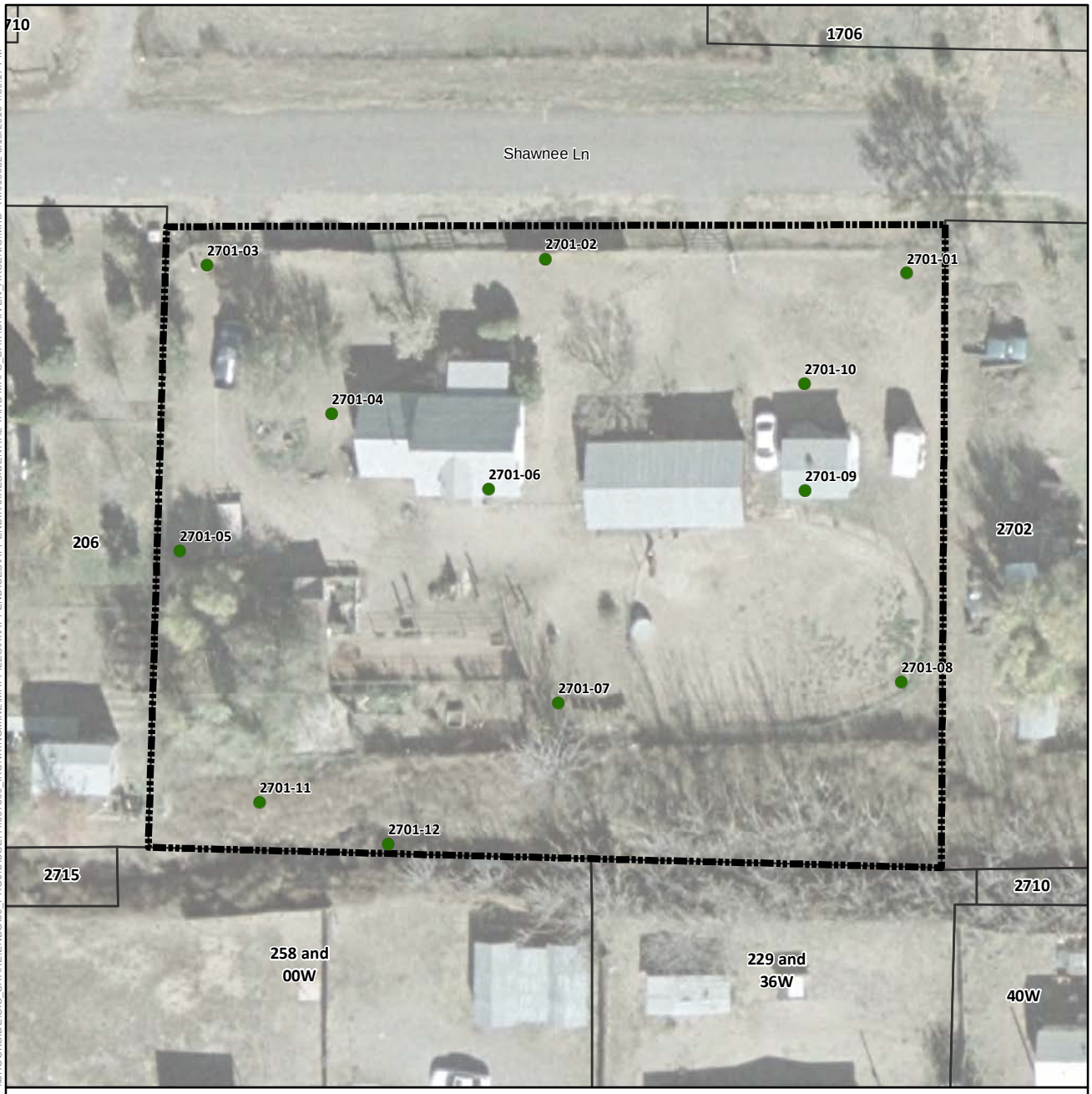
0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2693 (Page 413 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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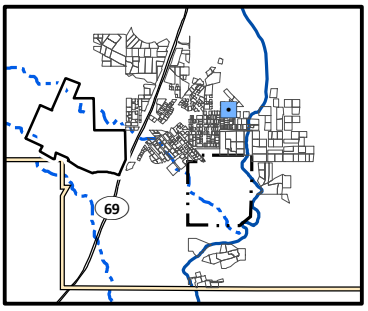
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2701 (Page 414 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



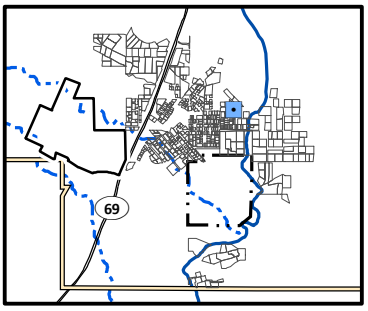
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

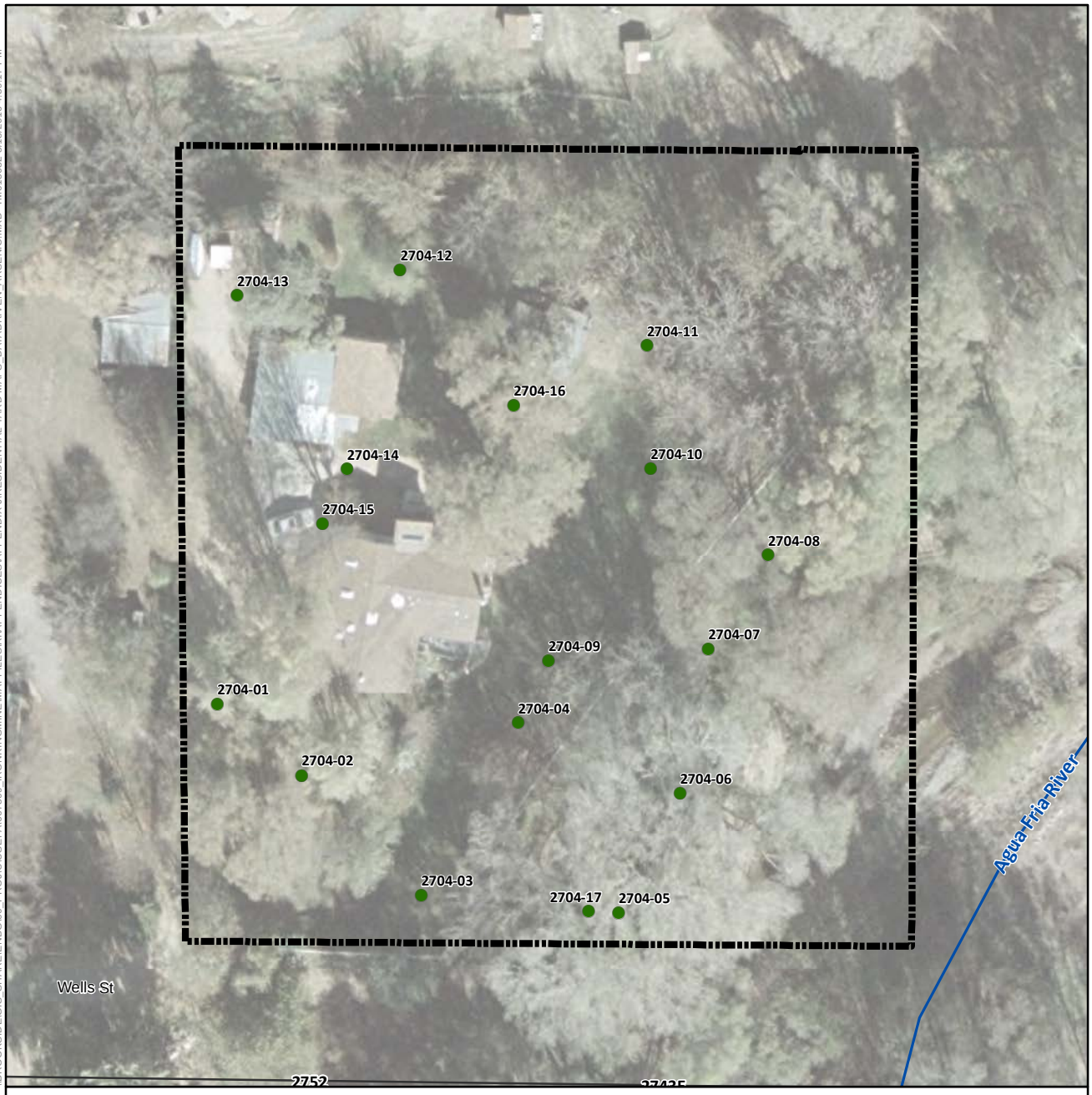
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2702 (Page 415 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



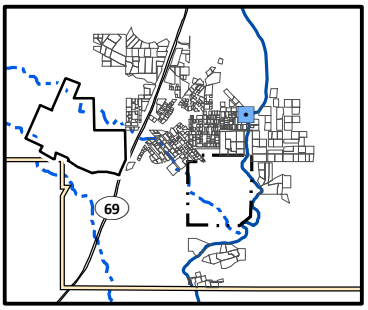
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2704 (Page 416 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



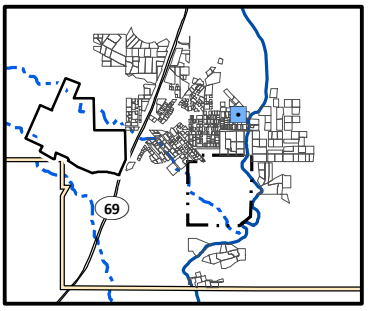
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

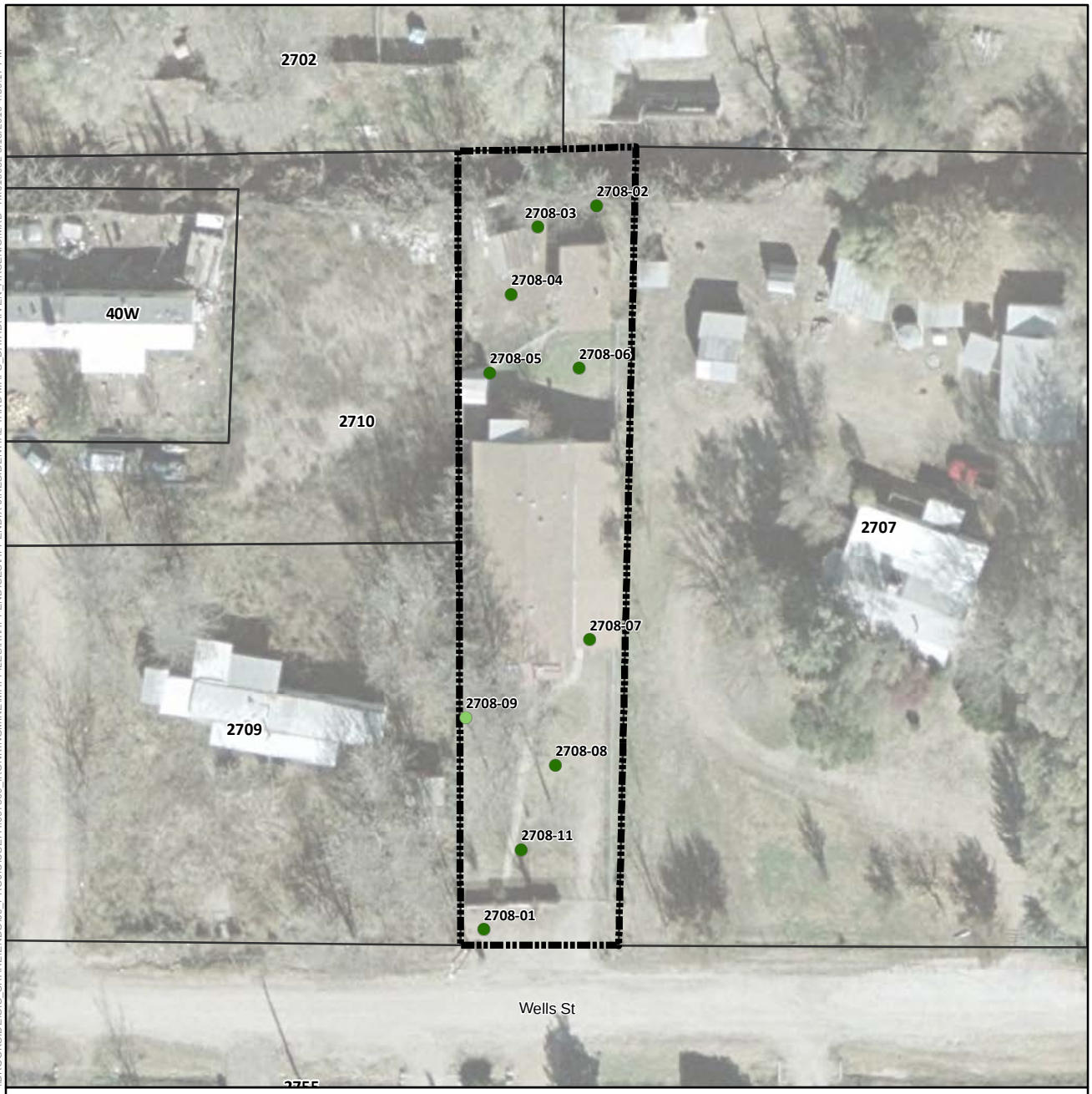


0 80
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2707 (Page 417 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



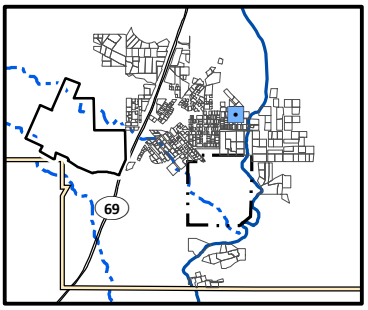
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2708 (Page 418 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



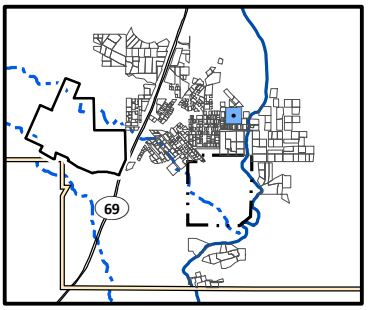
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2709 (Page 419 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



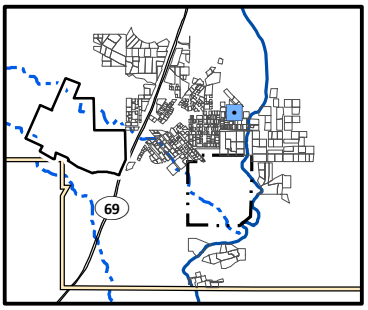
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

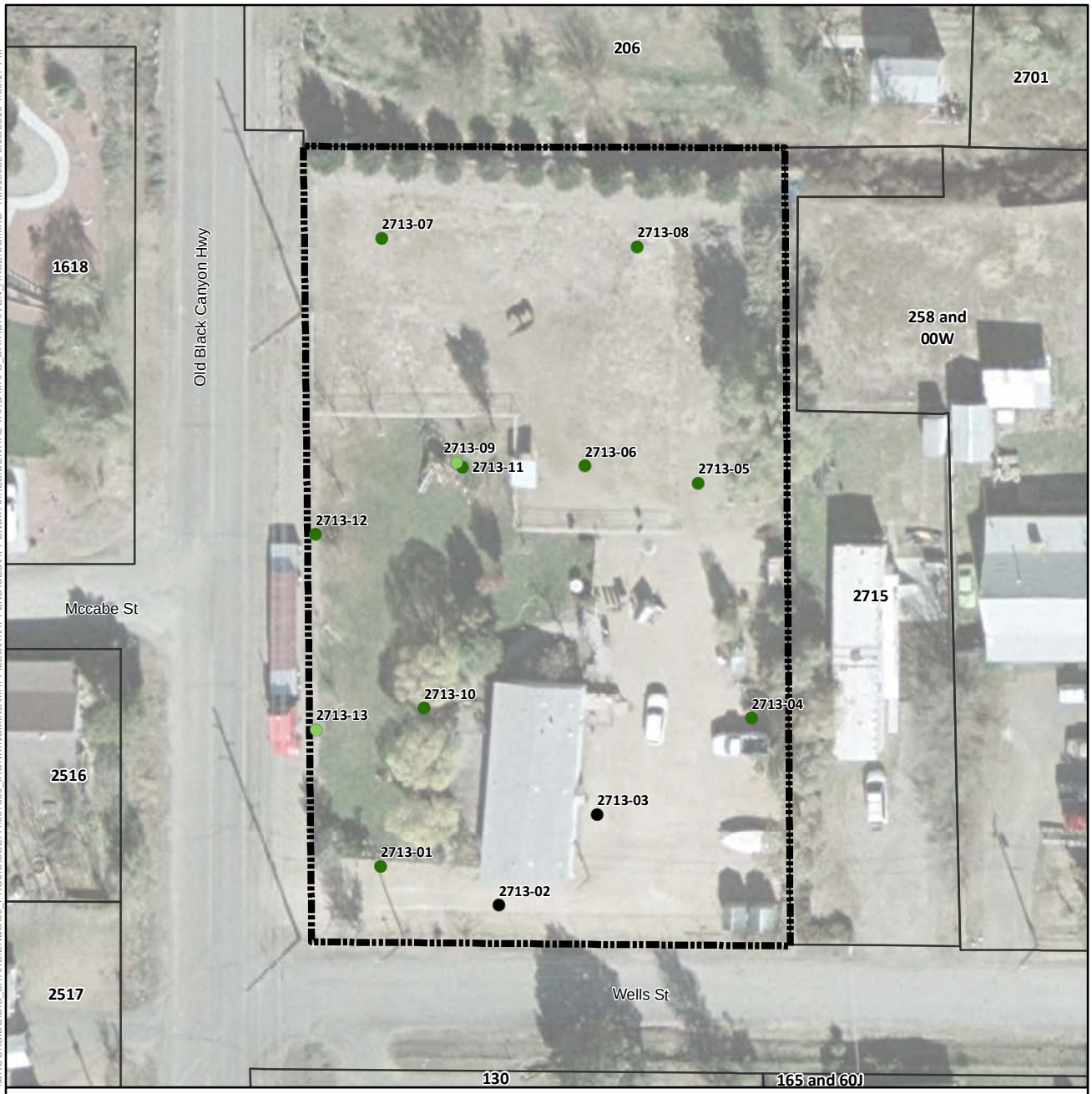


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2710 (Page 420 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



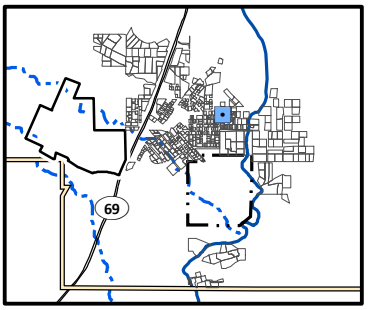
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

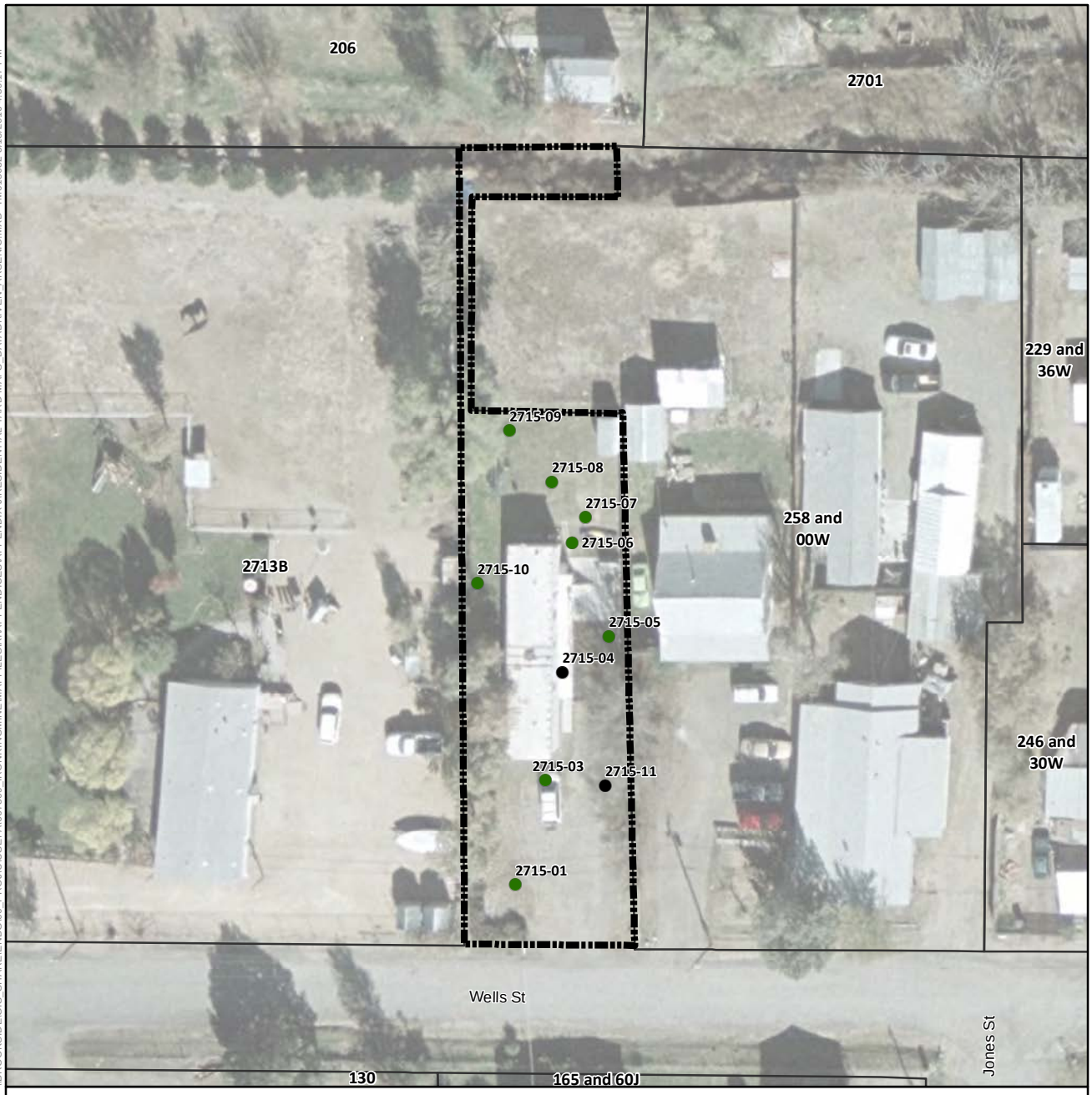
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2713B (Page 421 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



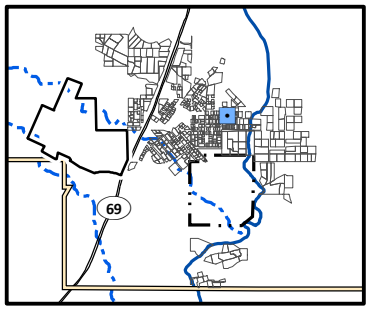
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2715 (Page 422 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



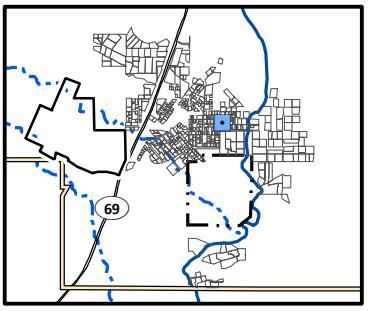
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

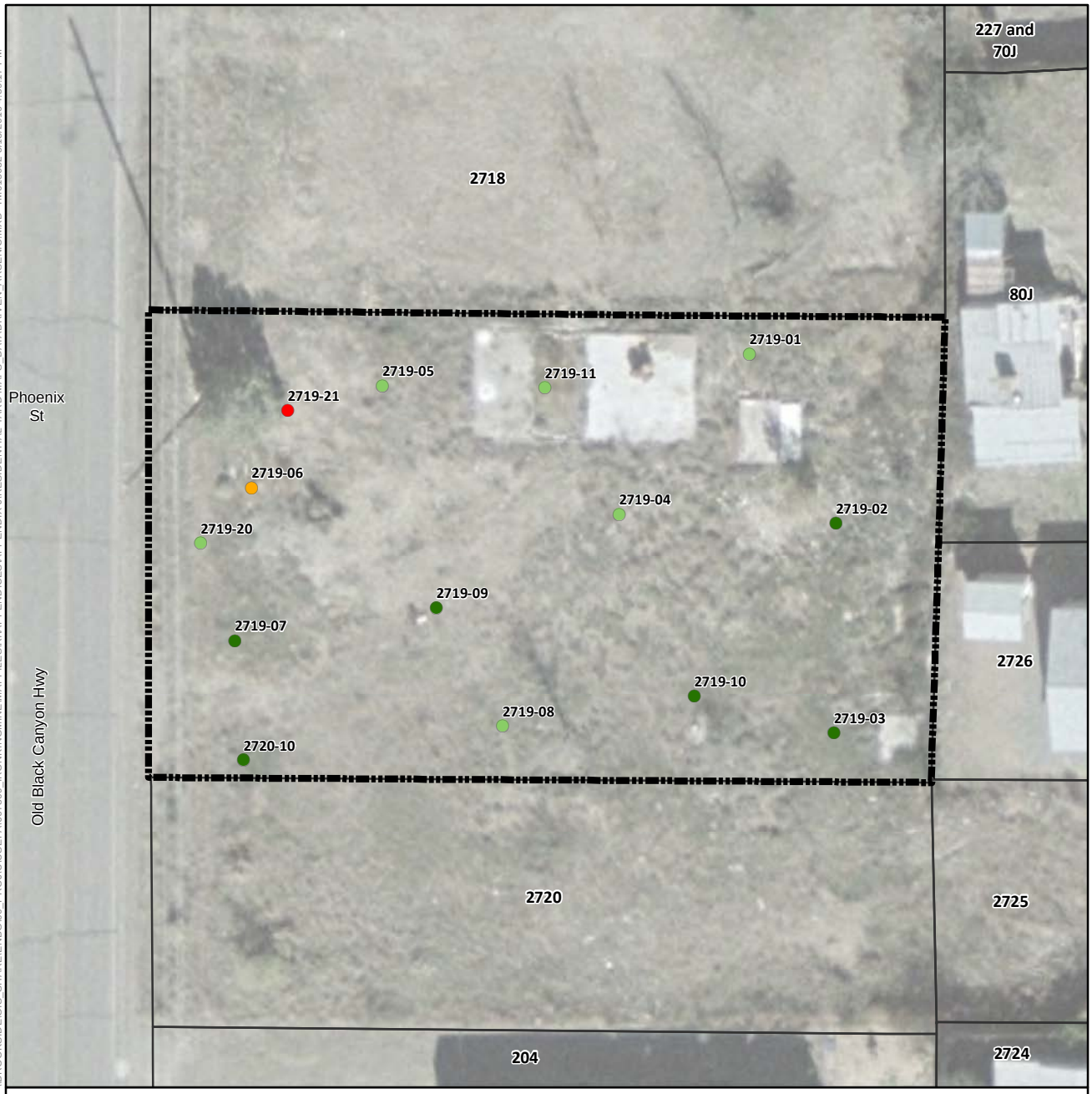


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2718 (Page 423 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



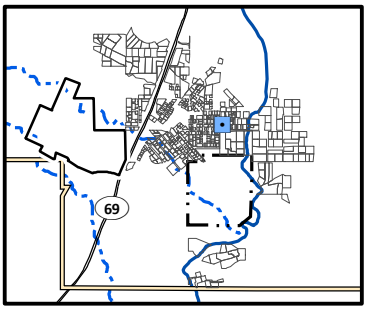
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2719 (Page 424 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



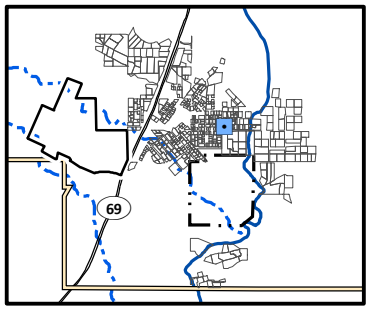
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

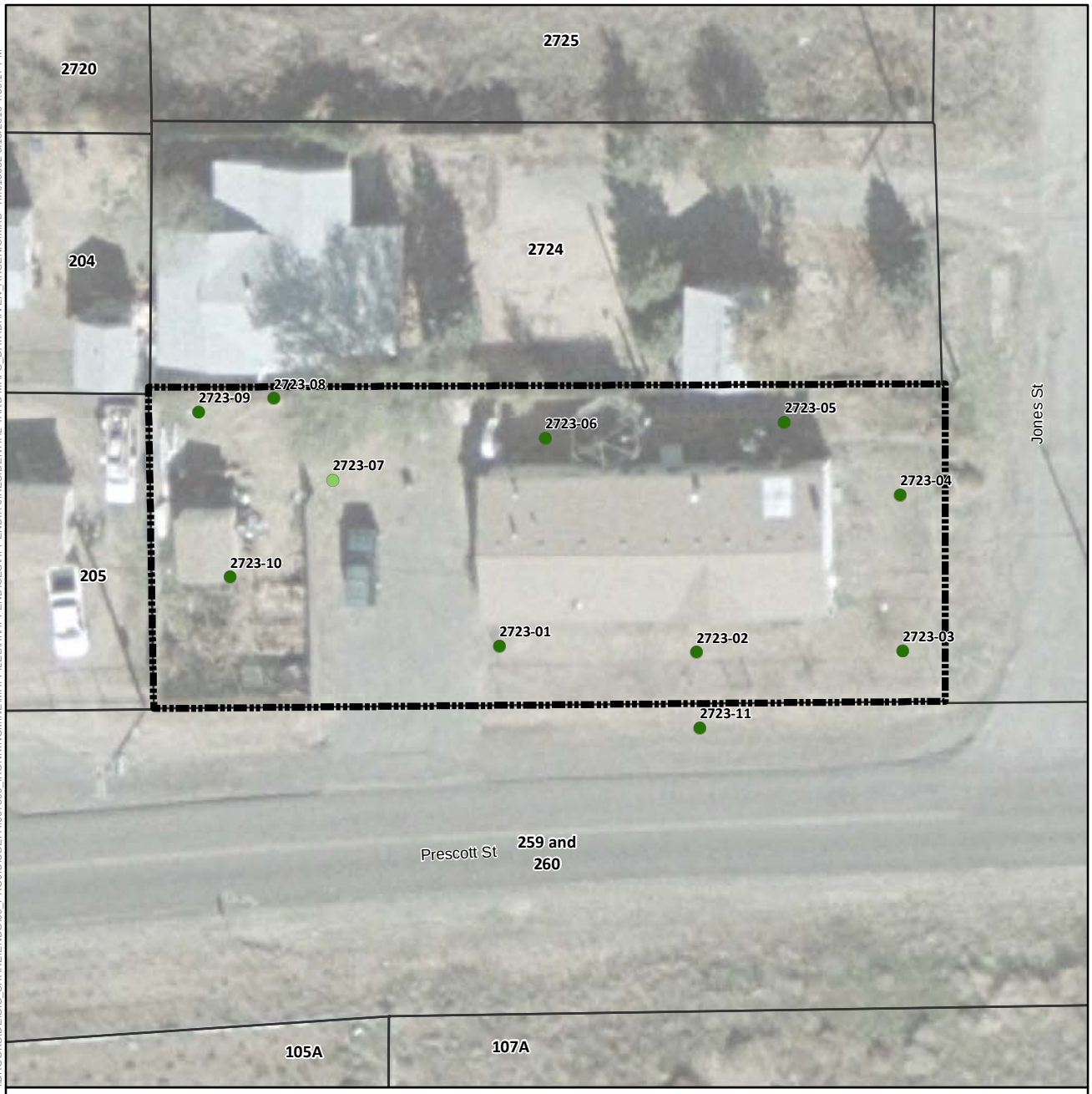


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2720 (Page 425 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



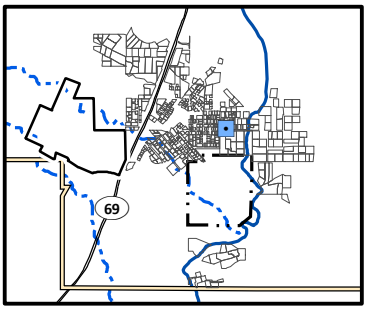
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2723 (Page 426 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

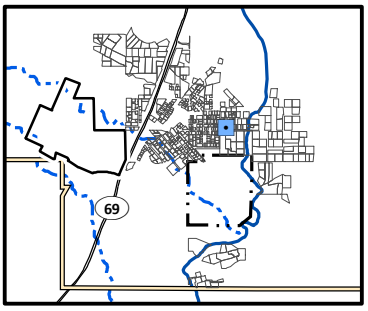


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2724 (Page 427 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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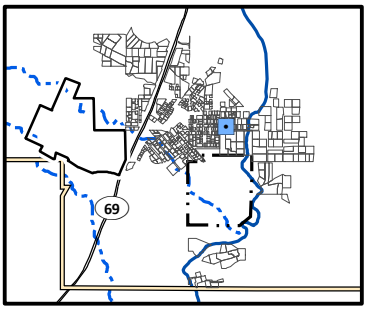
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2725 (Page 428 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



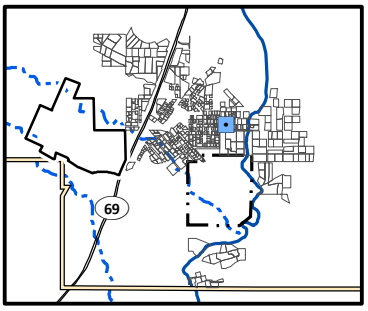
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2726 (Page 429 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



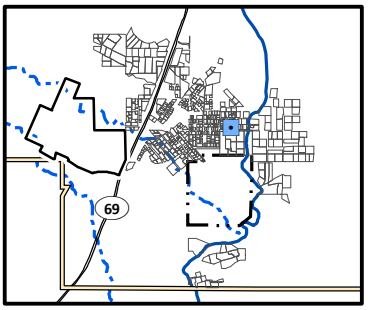
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2736 (Page 430 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



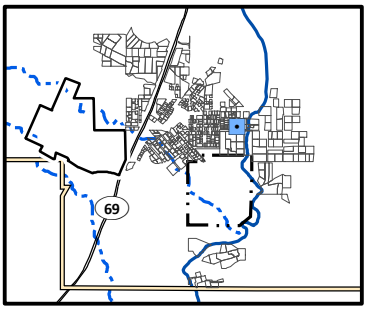
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

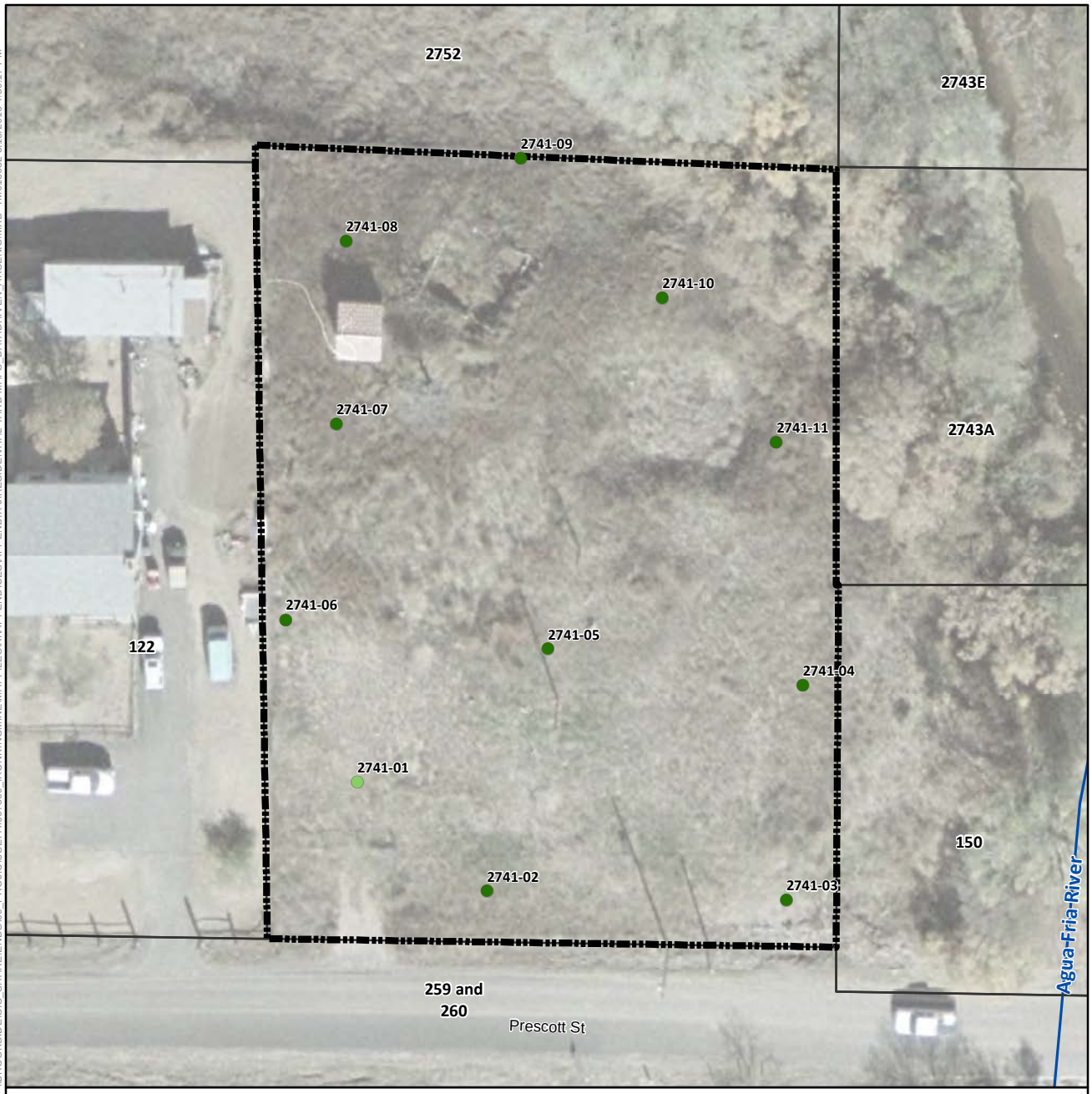


0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2740 (Page 431 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



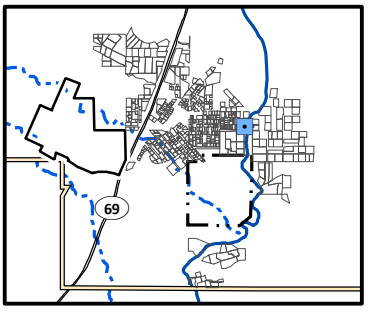
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

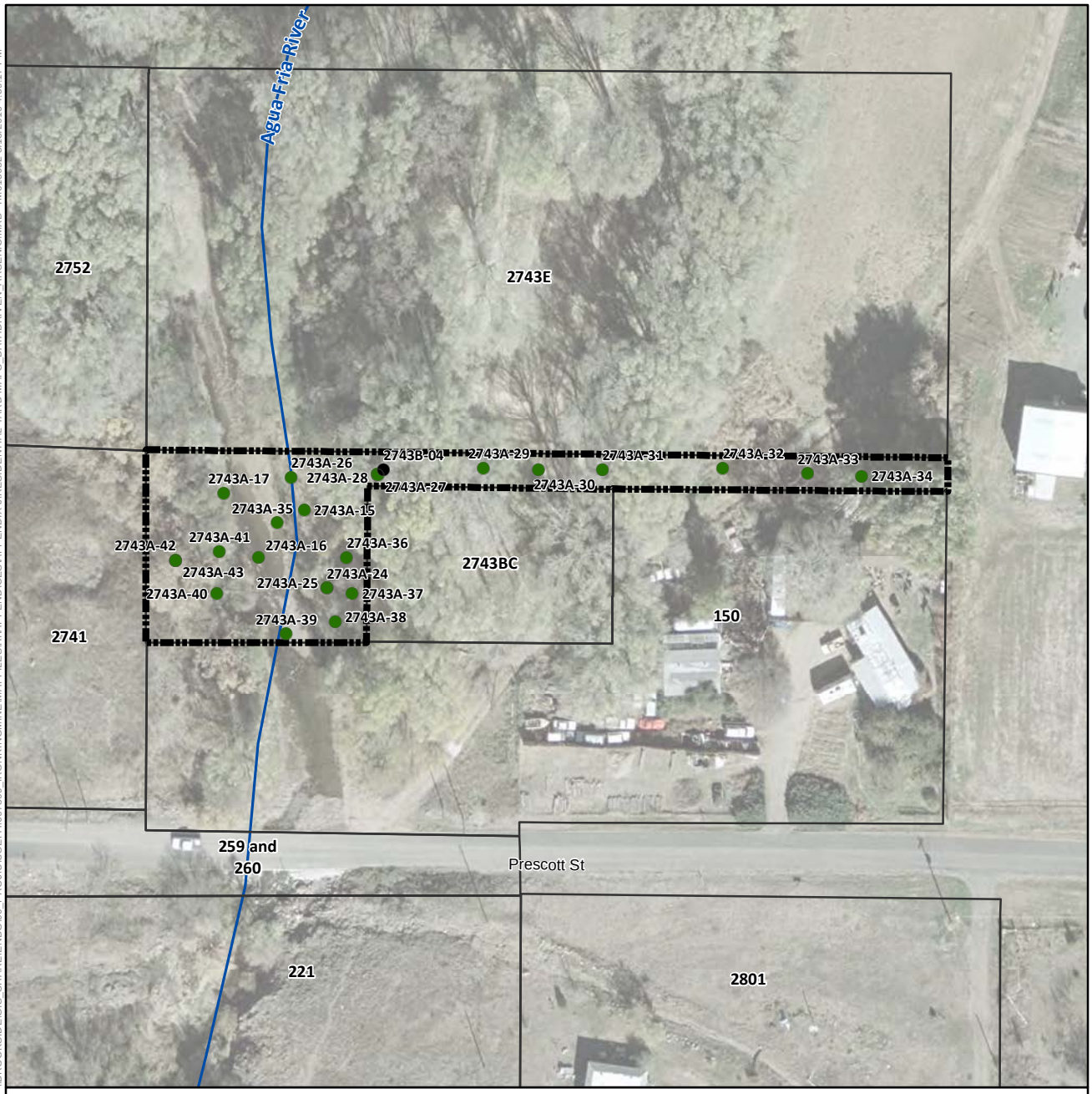


0 70
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2741 (Page 432 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



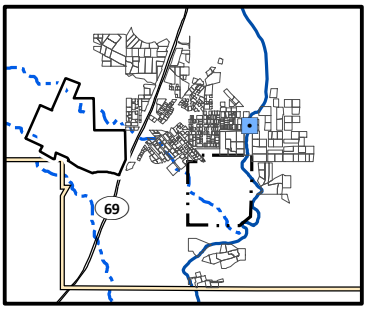
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



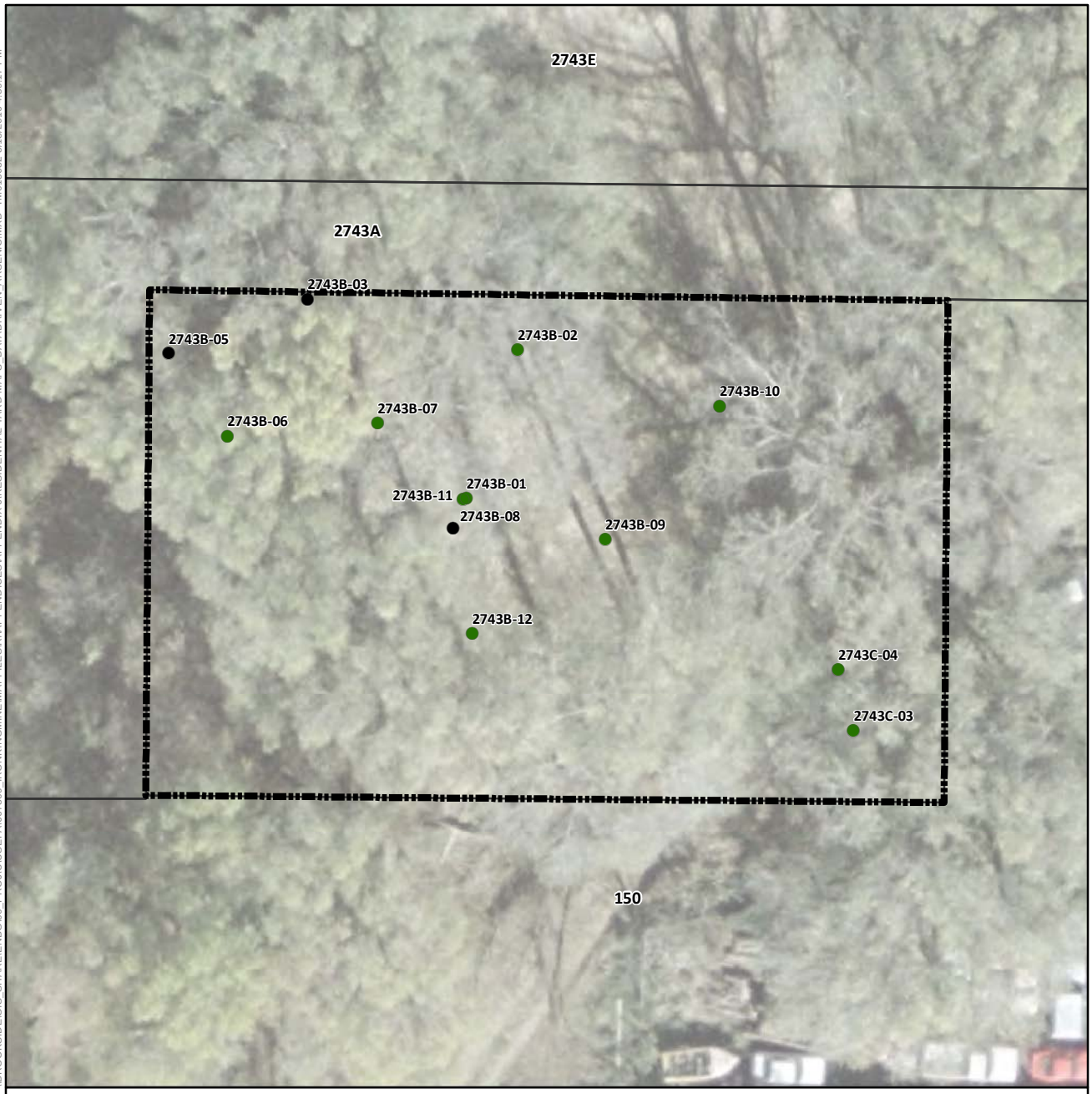
0 150
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2743A (Page 433 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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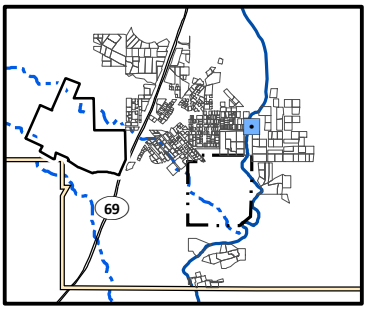


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

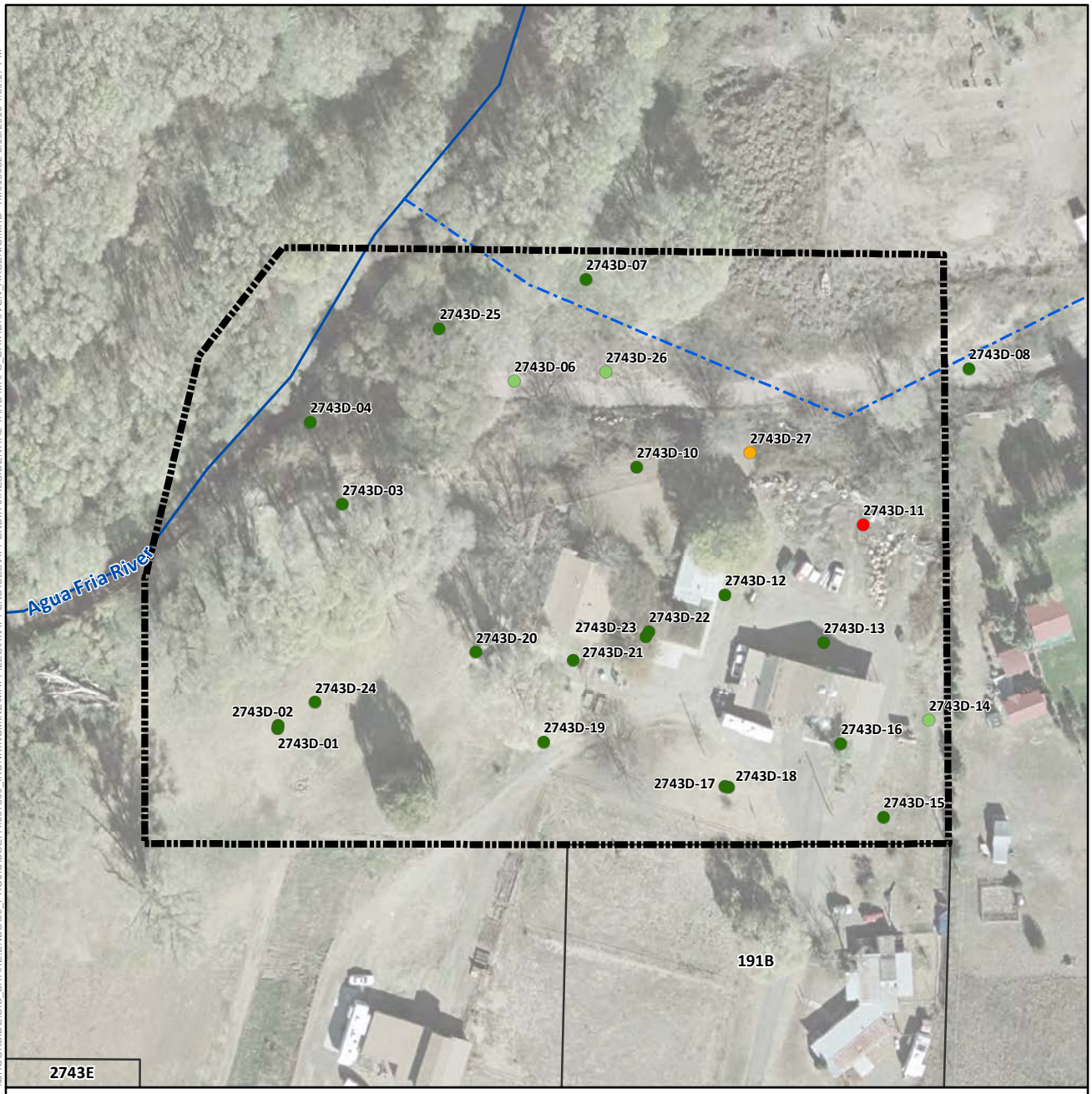


0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2743BC (Page 434 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



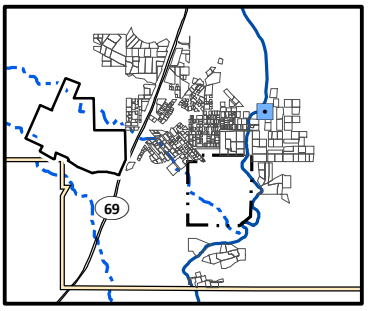
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

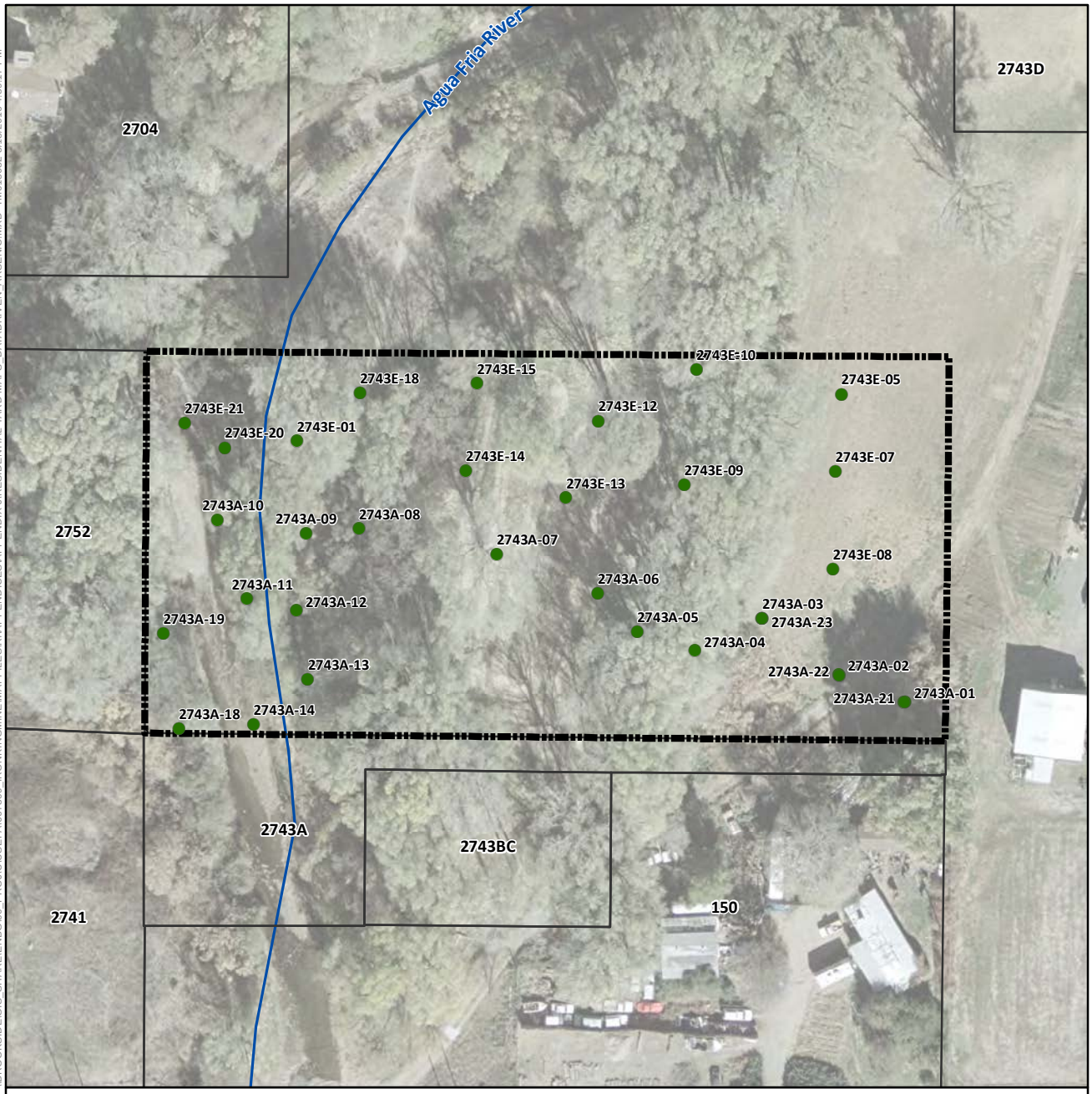


0 160
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2743D (Page 435 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



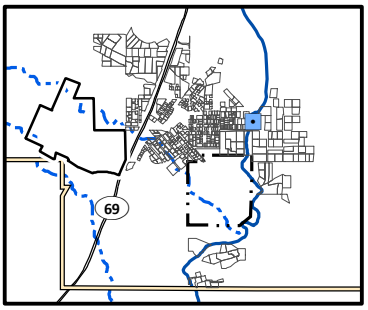
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2743E (Page 436 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



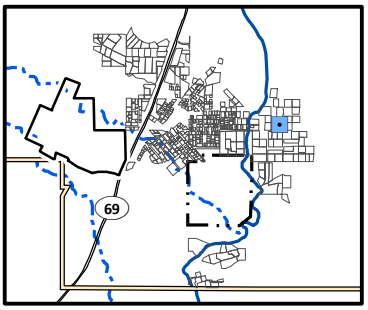
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

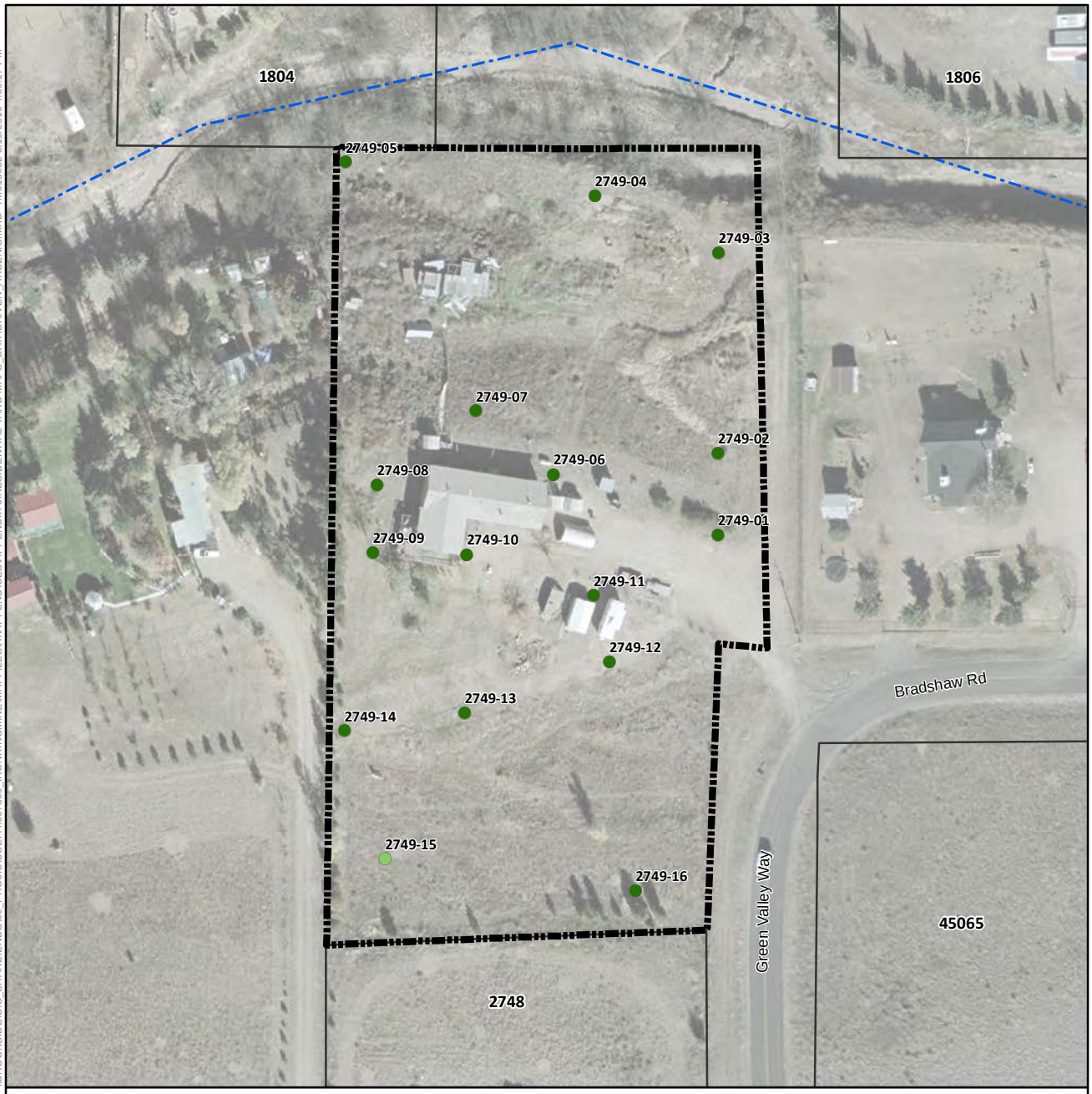


0 150
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2748 (Page 437 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



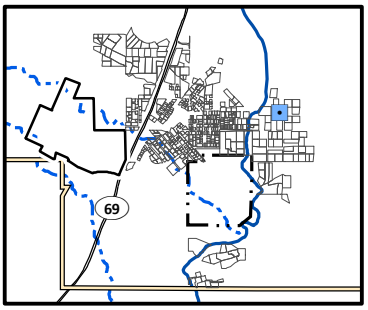
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

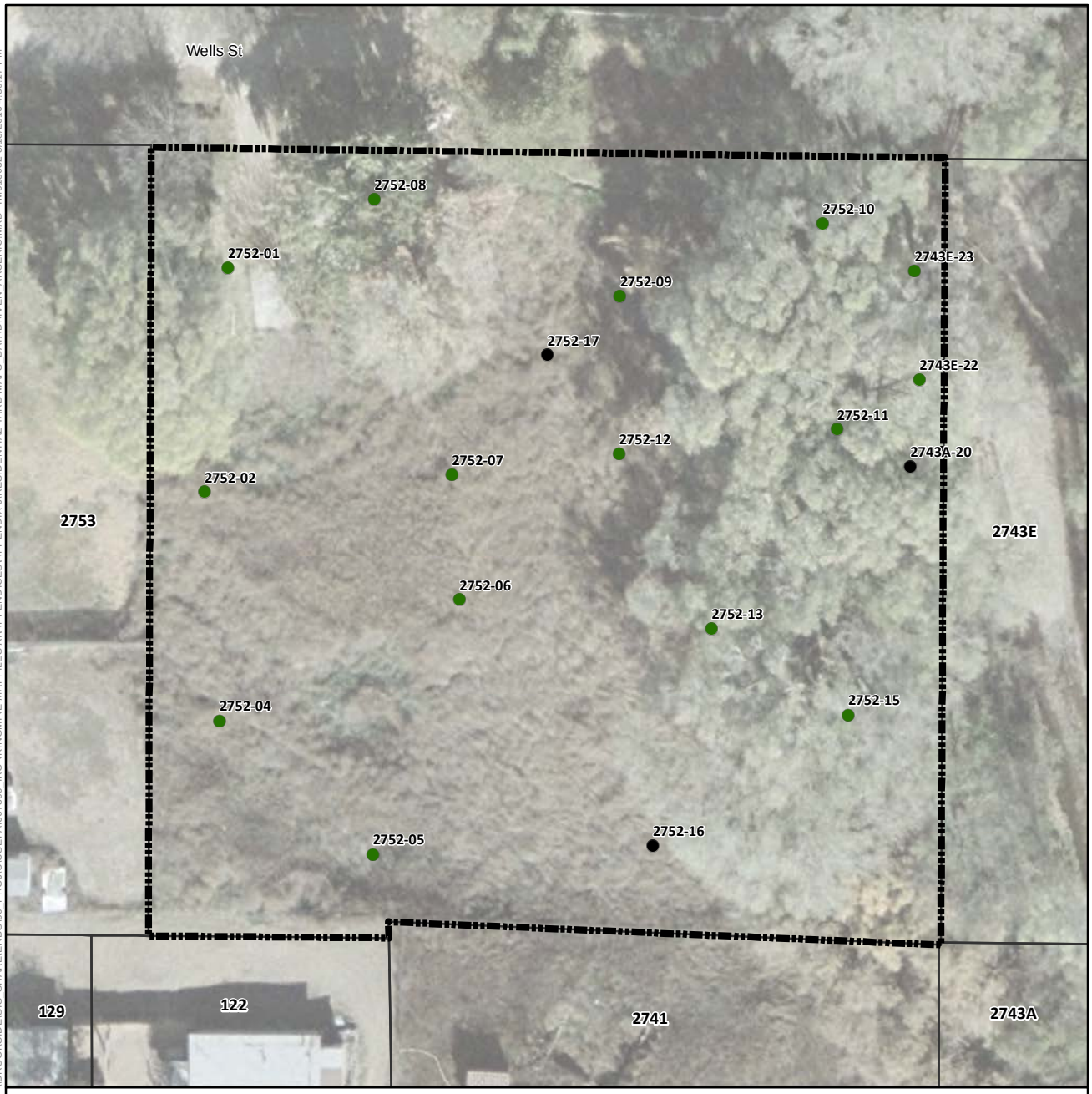
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 160
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2749 (Page 438 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



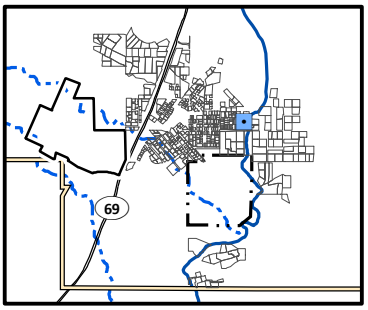
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2752 (Page 439 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



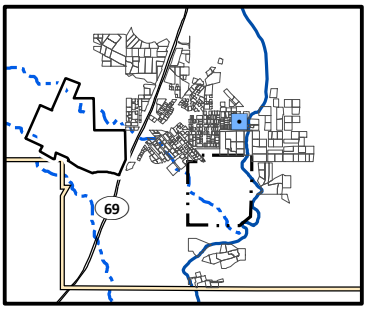
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2753 (Page 440 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



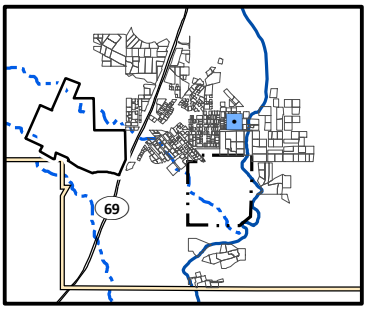
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2755 (Page 441 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



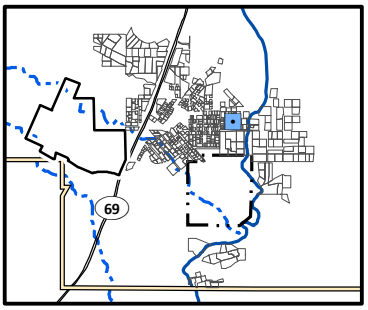
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2756 (Page 442 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



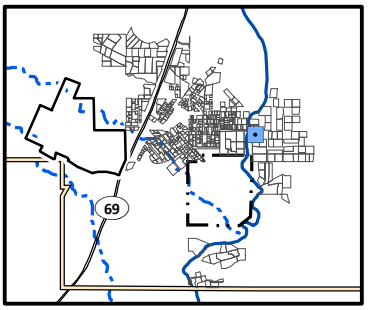
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

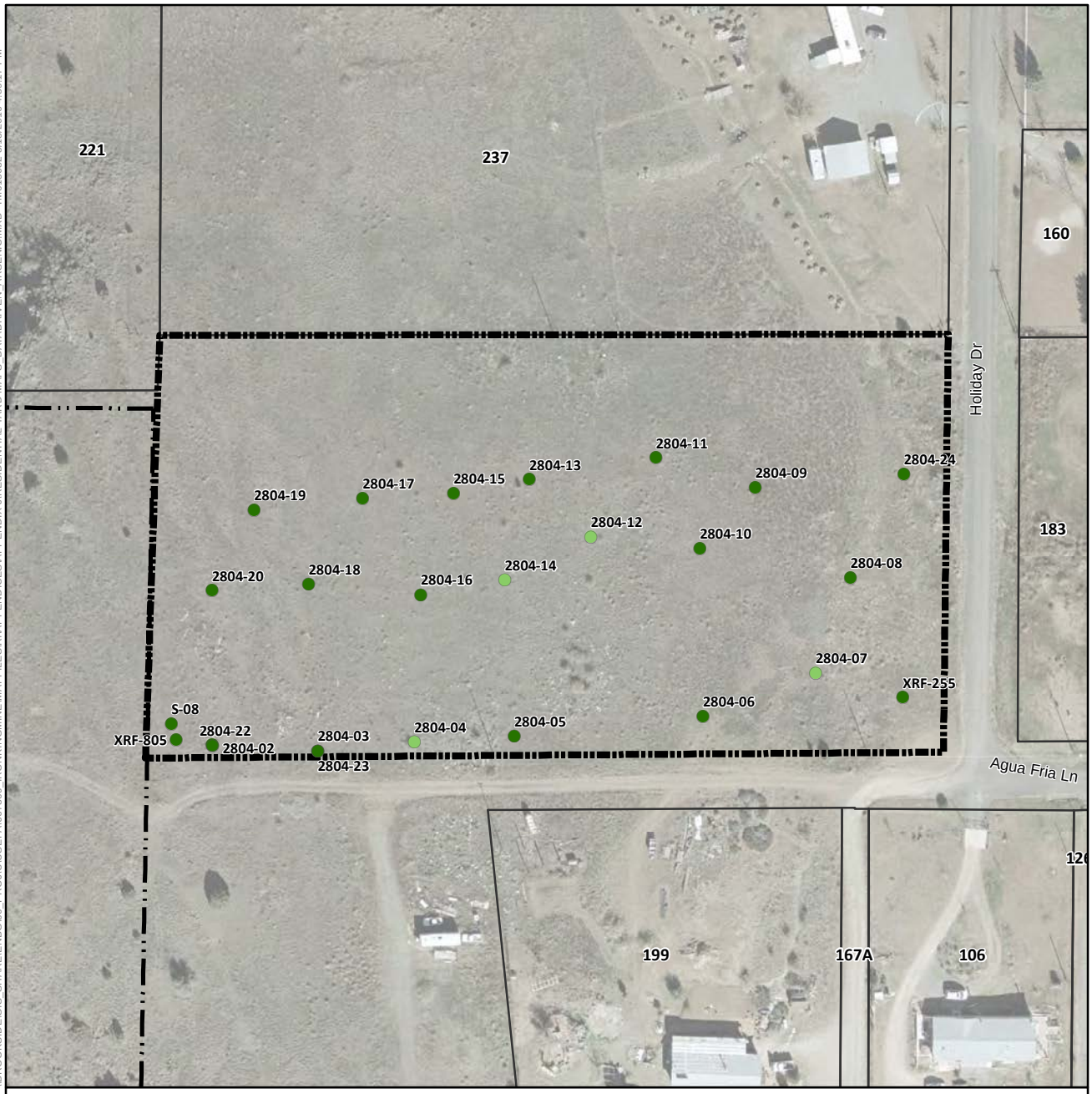


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2801 (Page 443 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

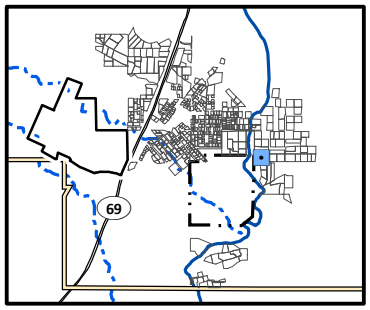


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2804 (Page 444 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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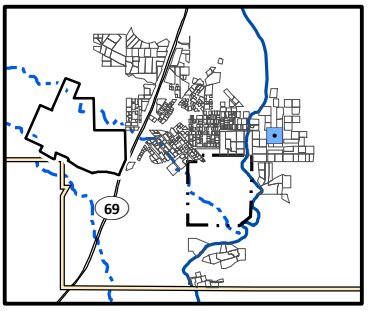
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

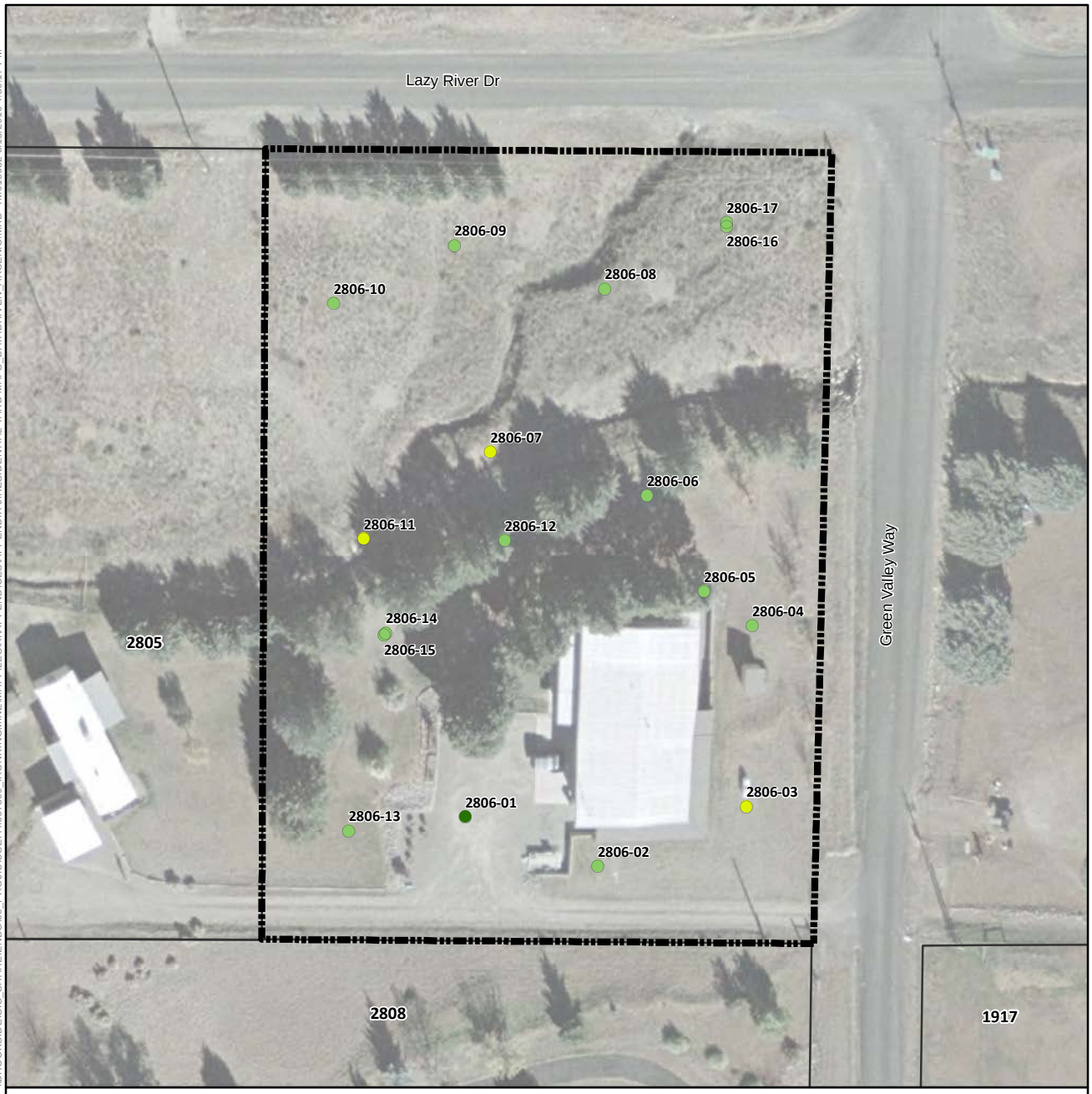


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2805 (Page 445 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



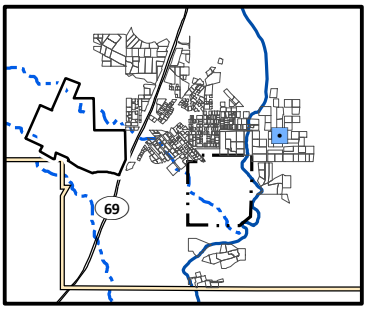
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

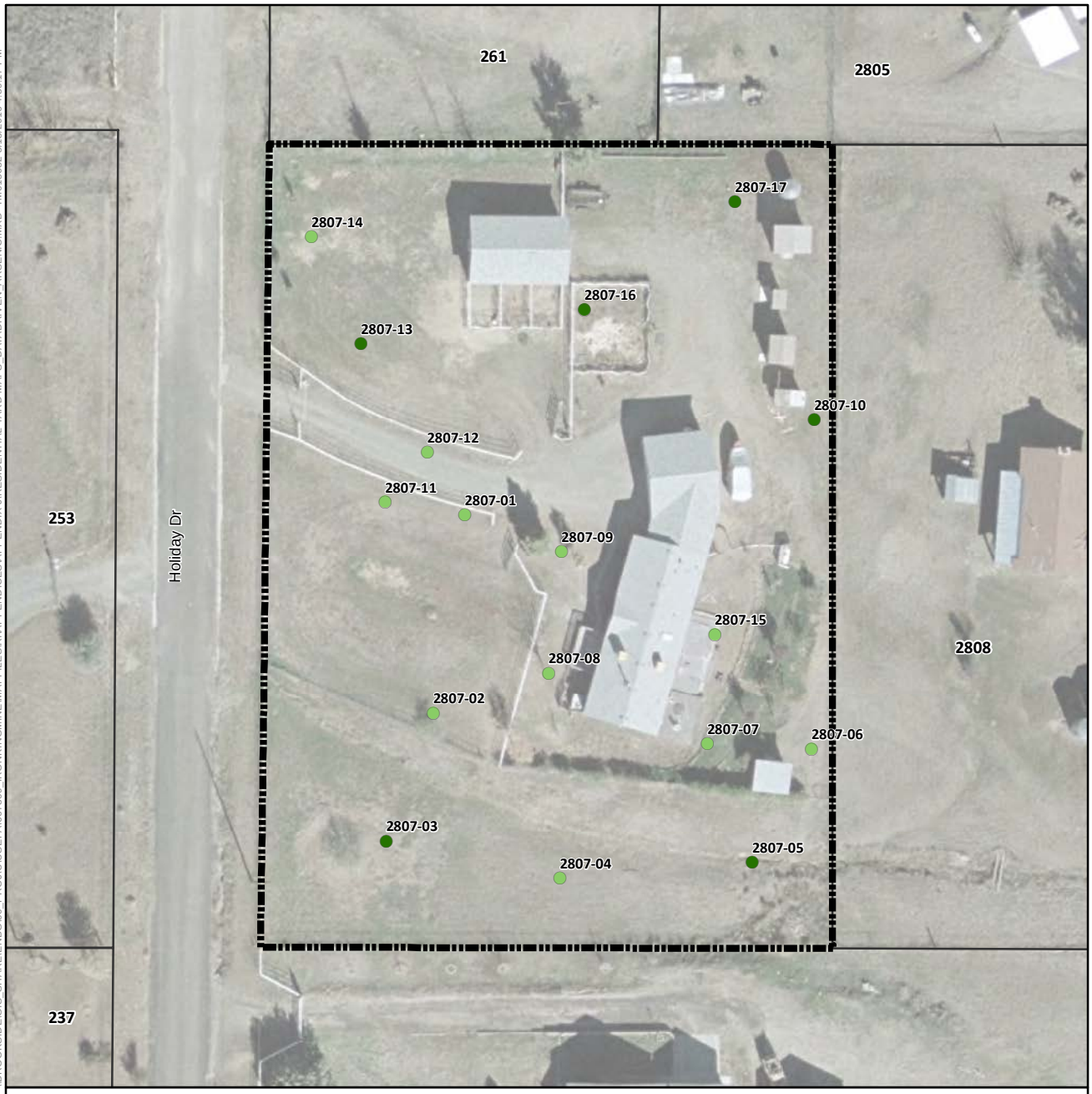


0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 2806 (Page 446 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



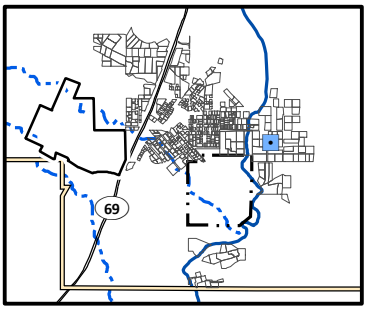
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

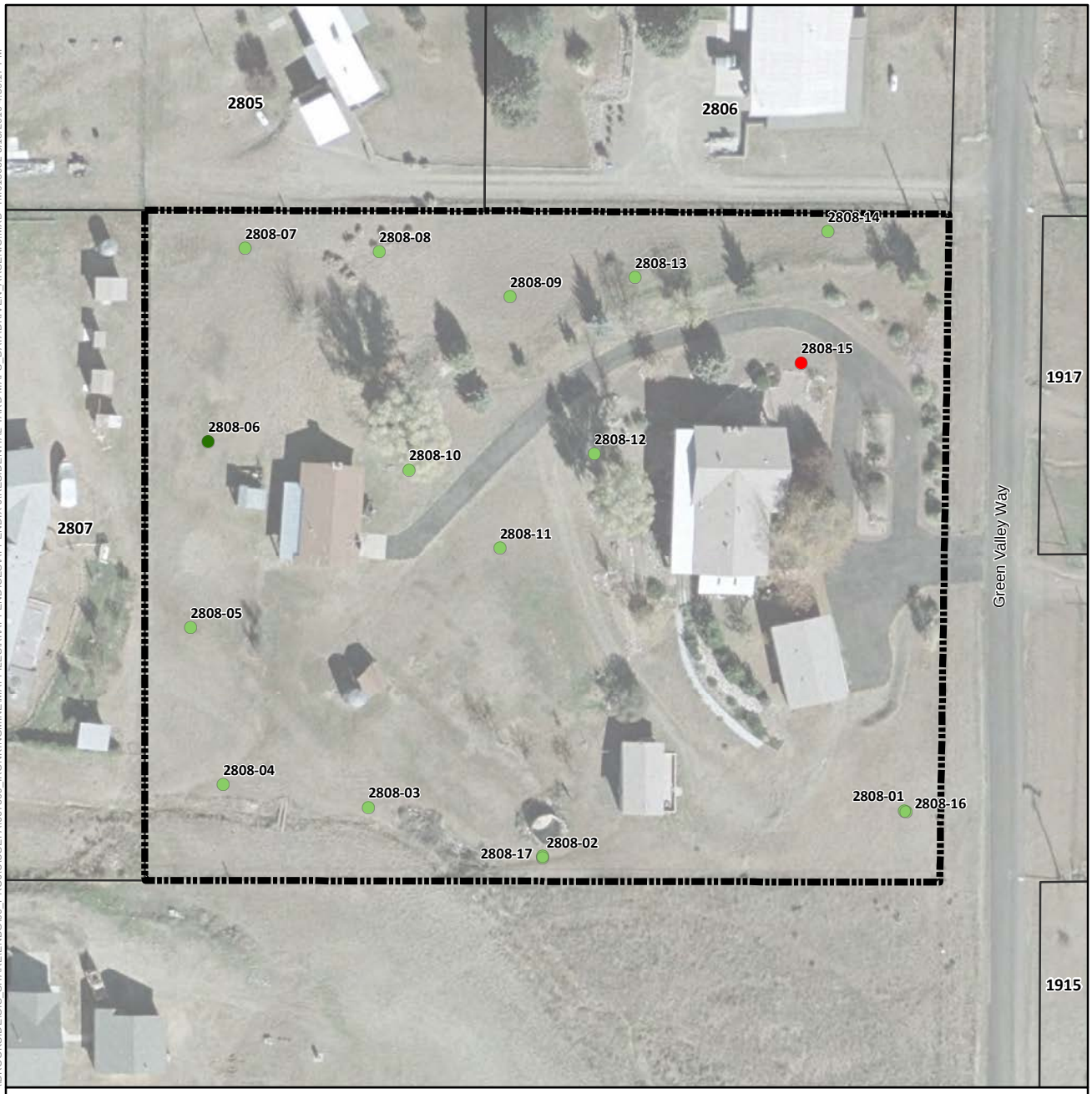
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2807 (Page 447 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

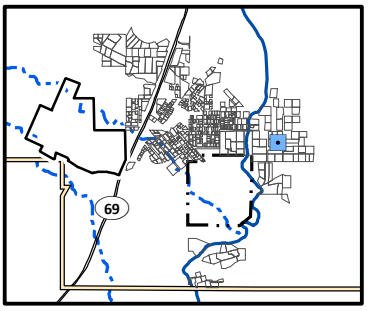


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2808 (Page 448 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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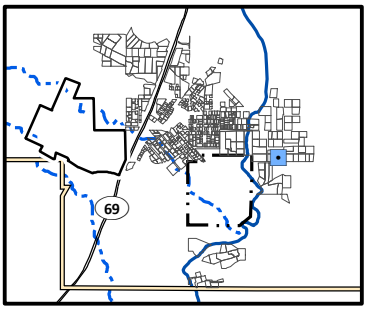
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

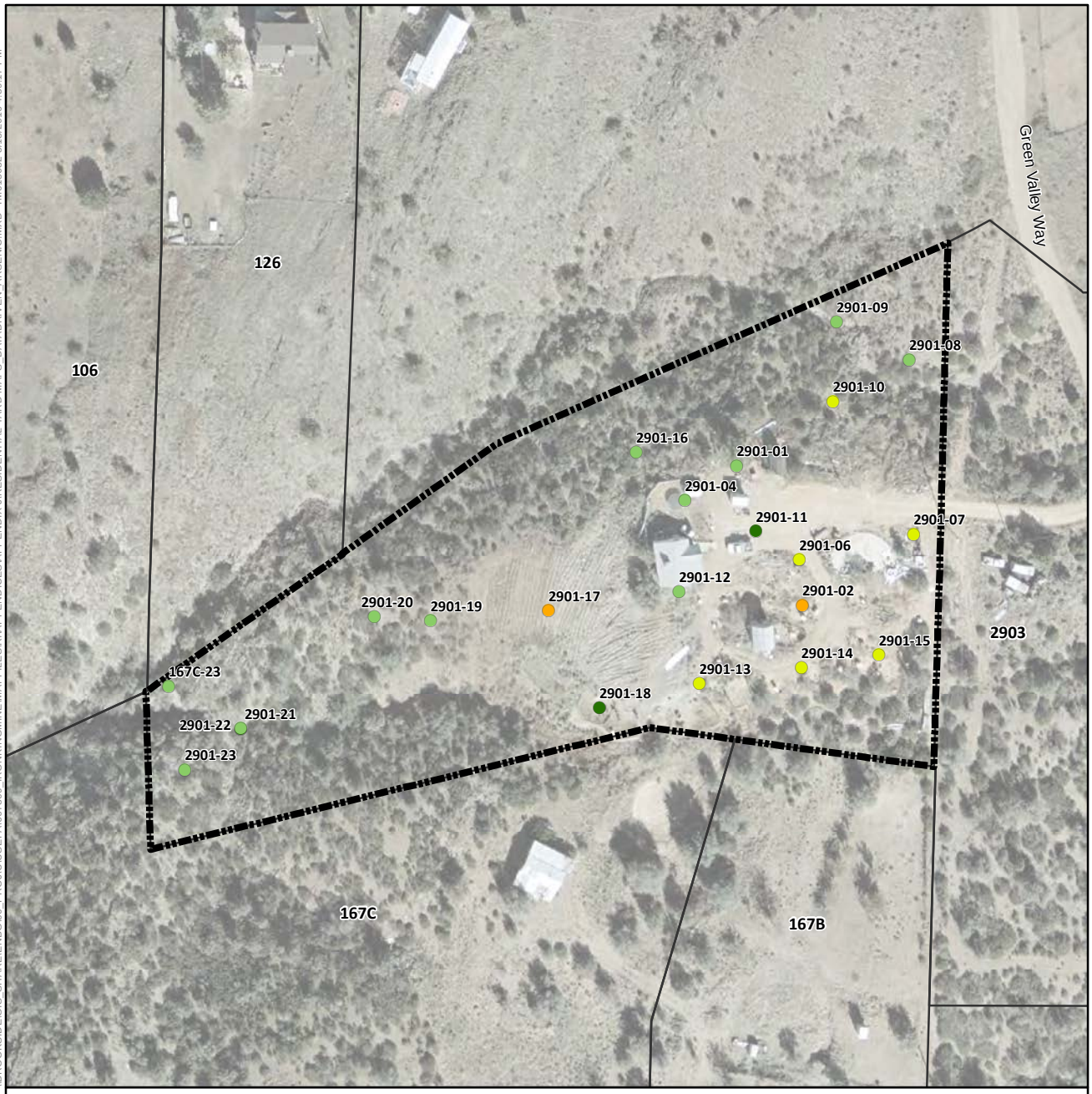
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2810 (Page 449 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



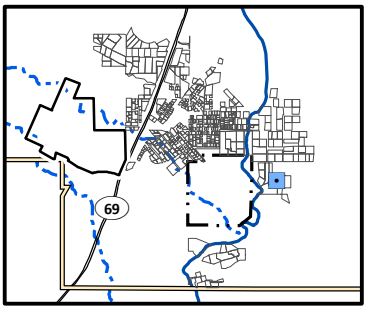
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

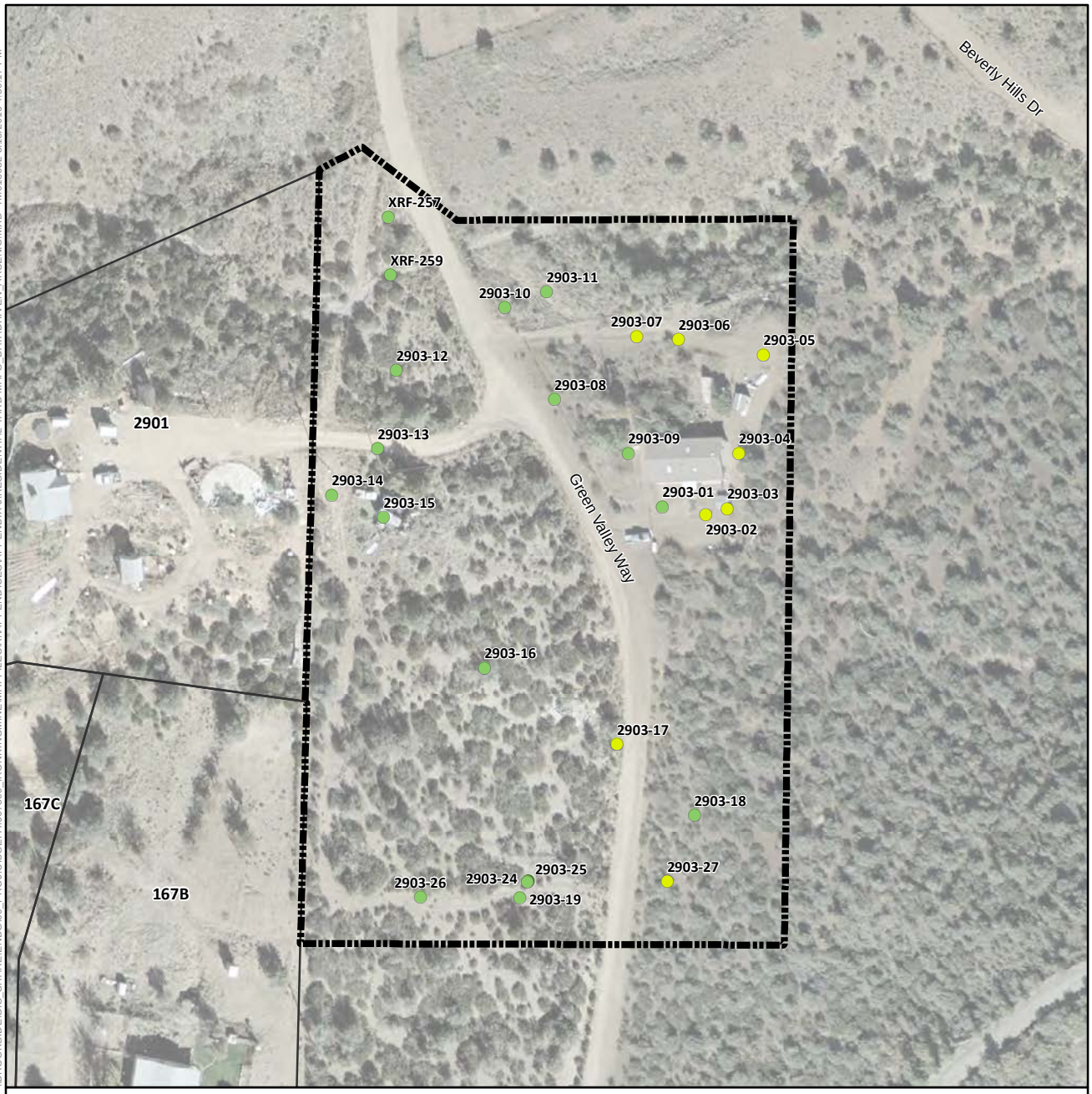
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 190
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2901 (Page 450 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

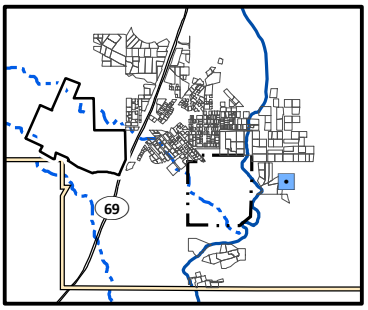


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

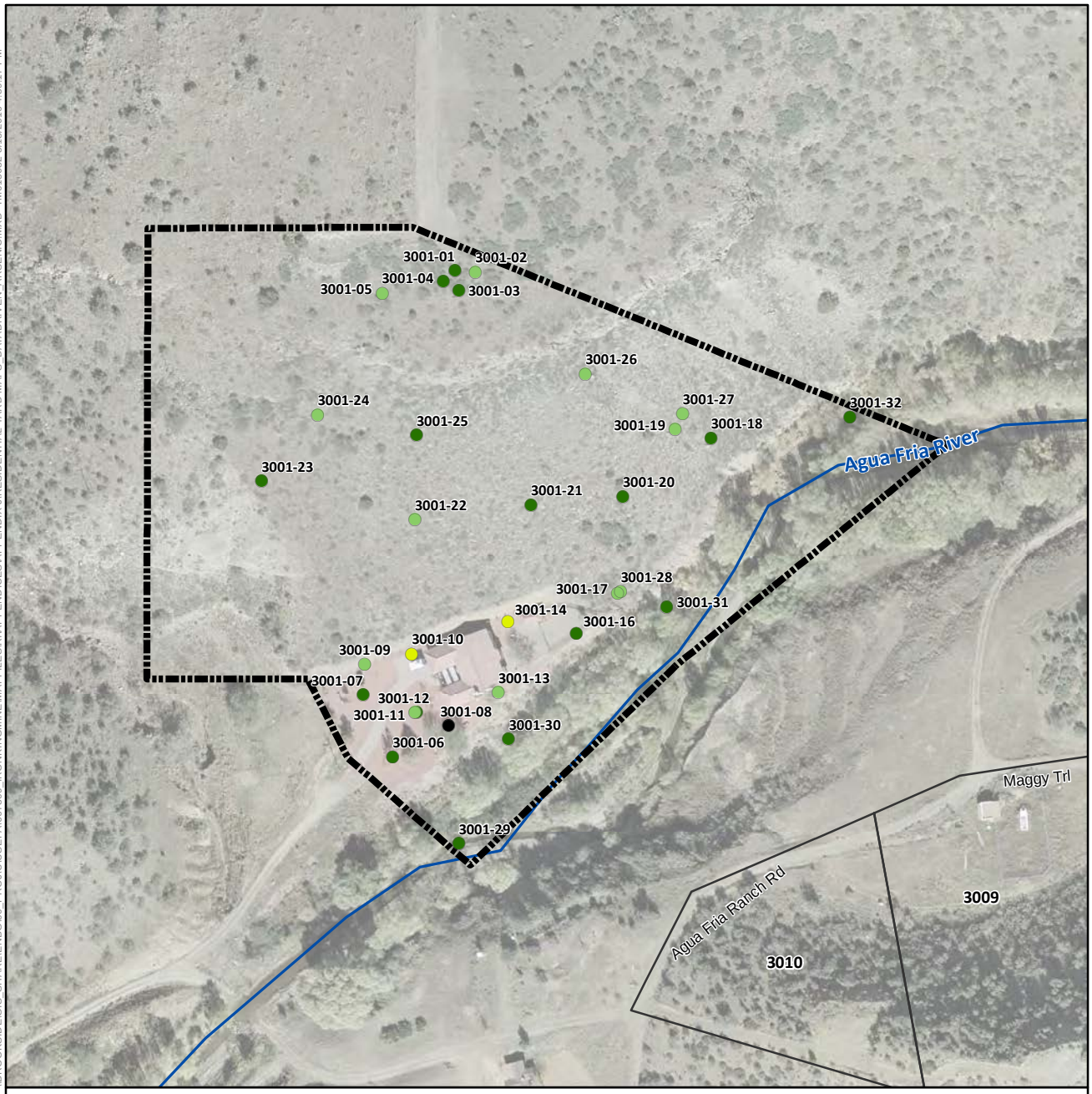


0 180
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 2903 (Page 451 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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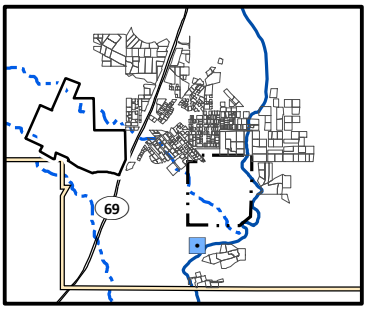


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

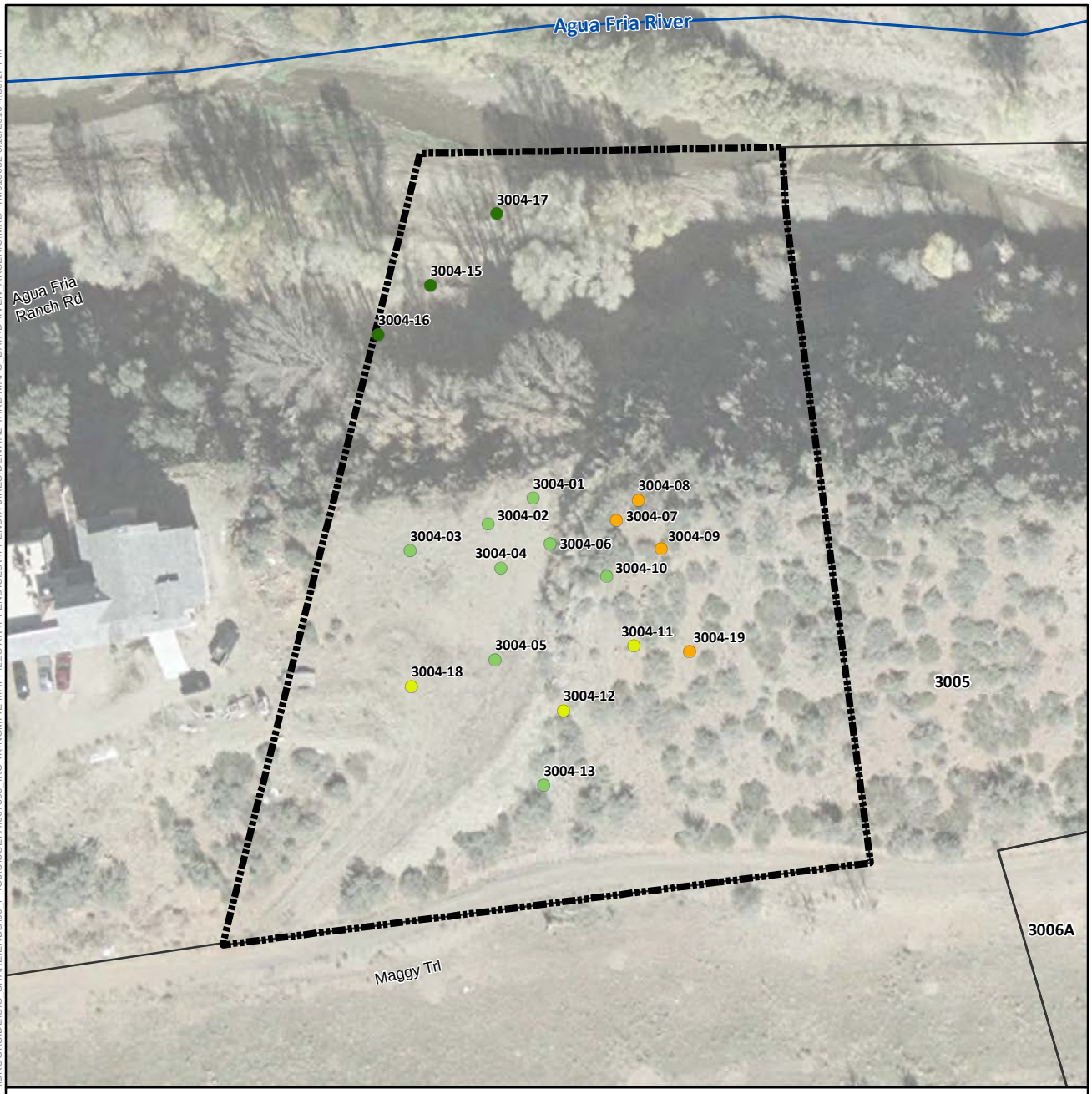


0 310
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 3001 (Page 452 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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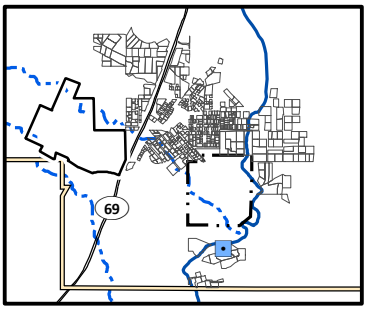
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

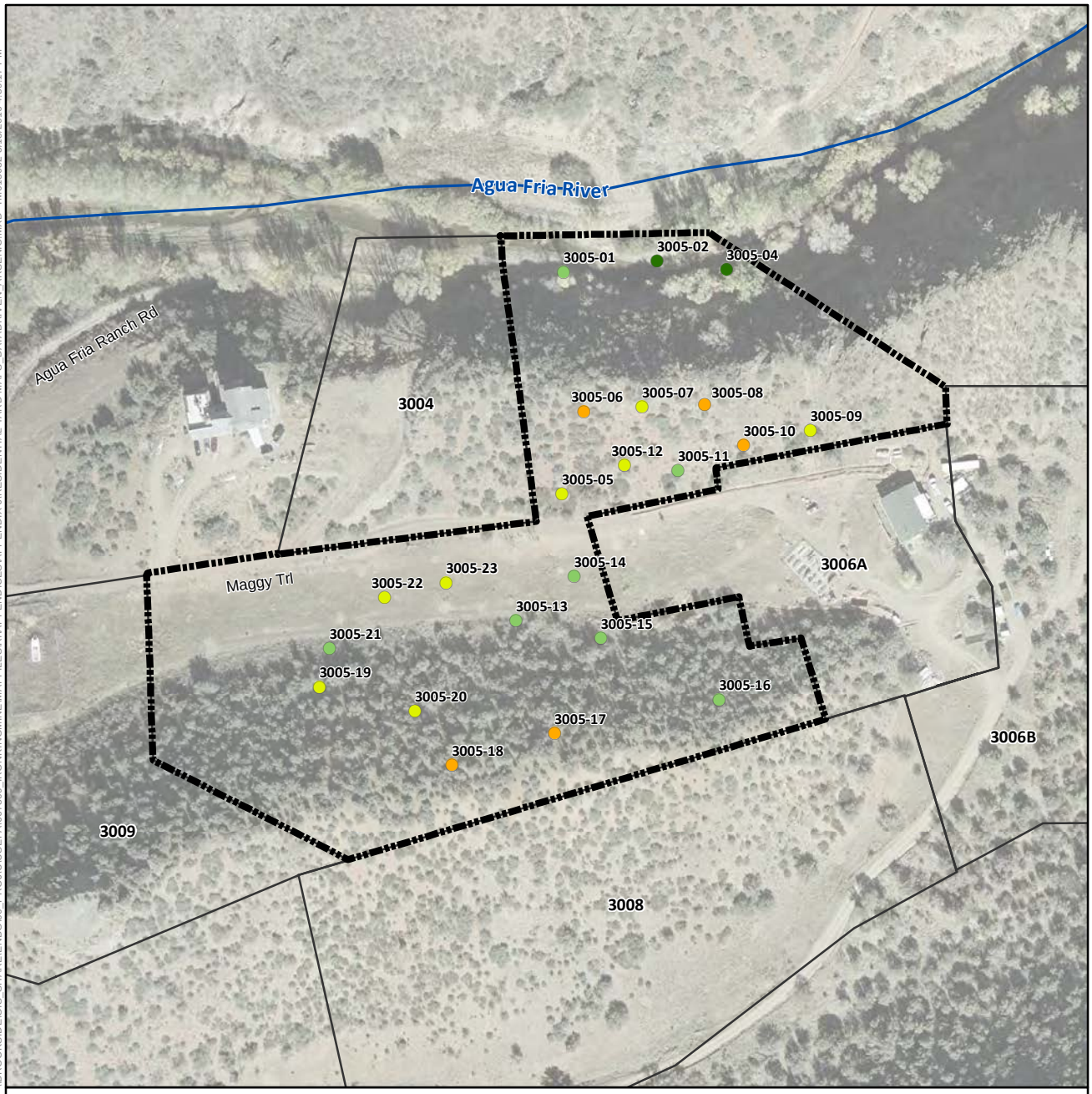


0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 3004 (Page 453 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



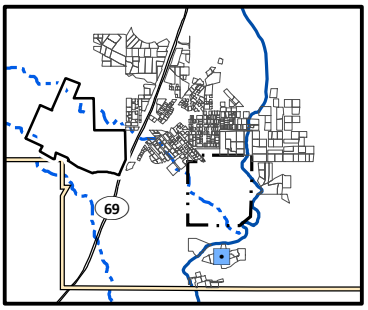
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

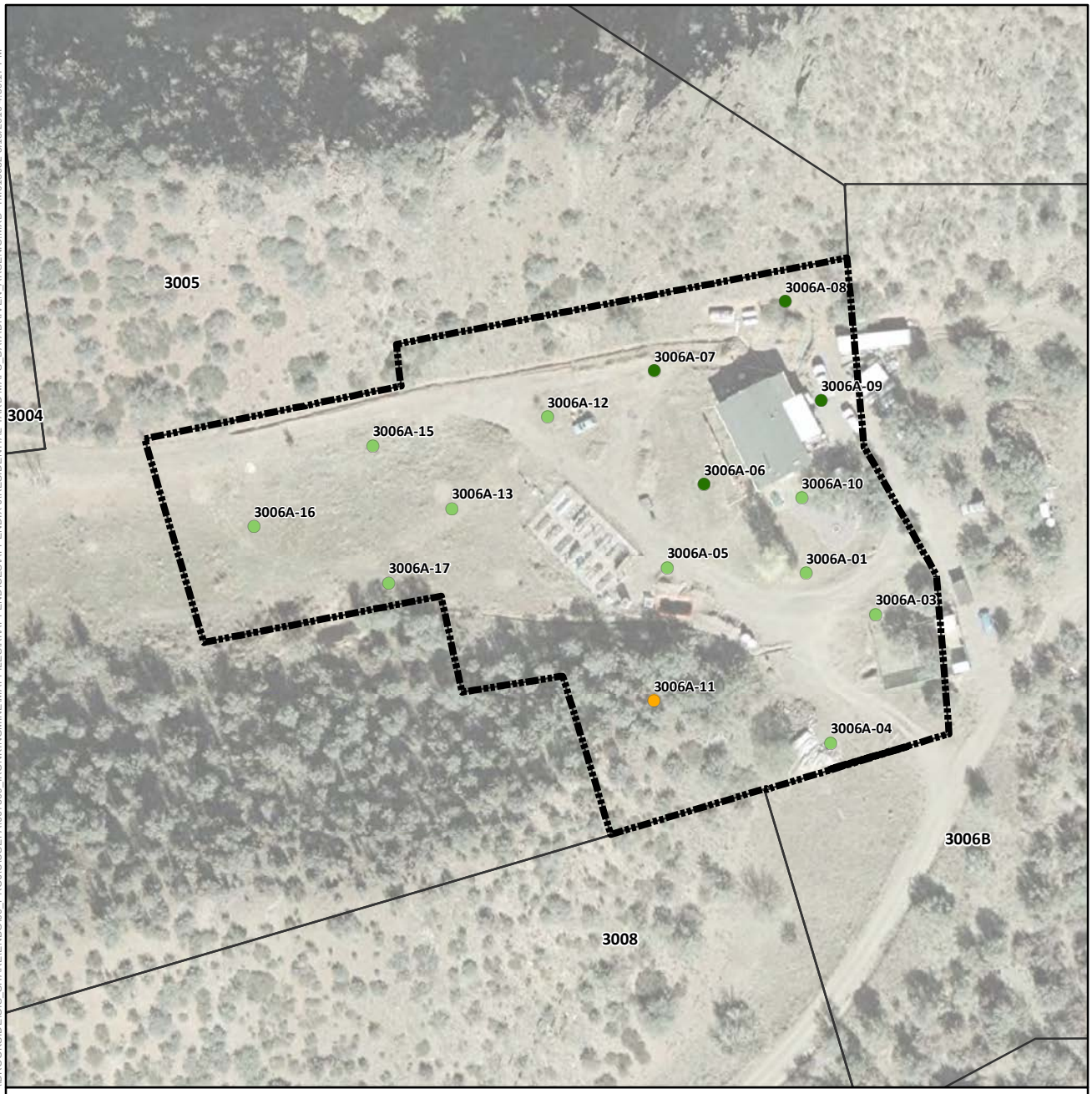
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 290
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 3005 (Page 454 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



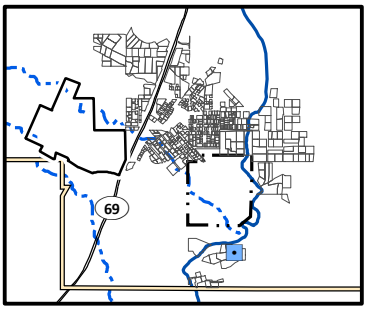
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

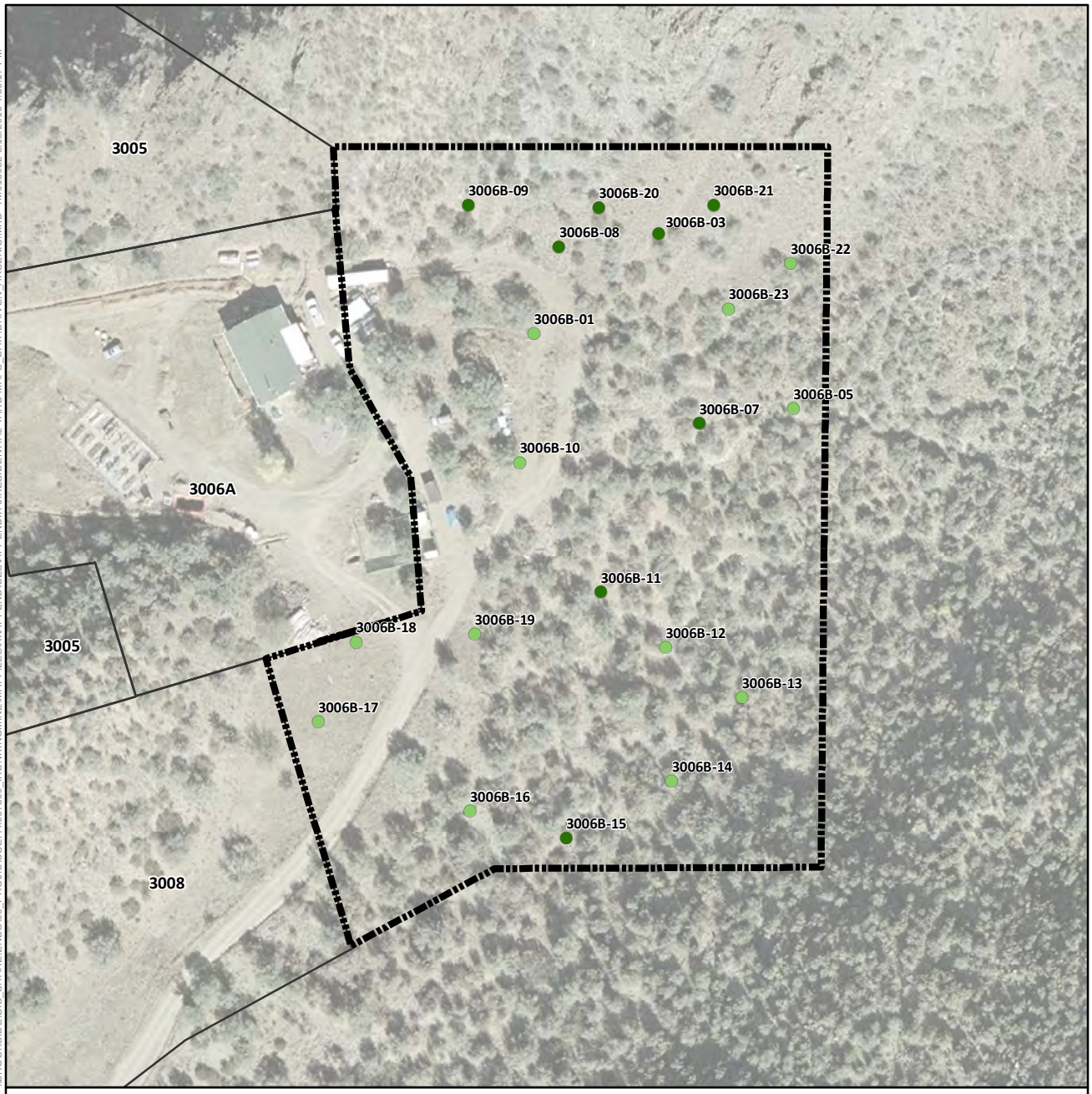


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 3006A (Page 455 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



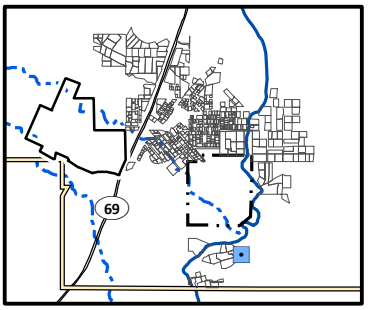
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

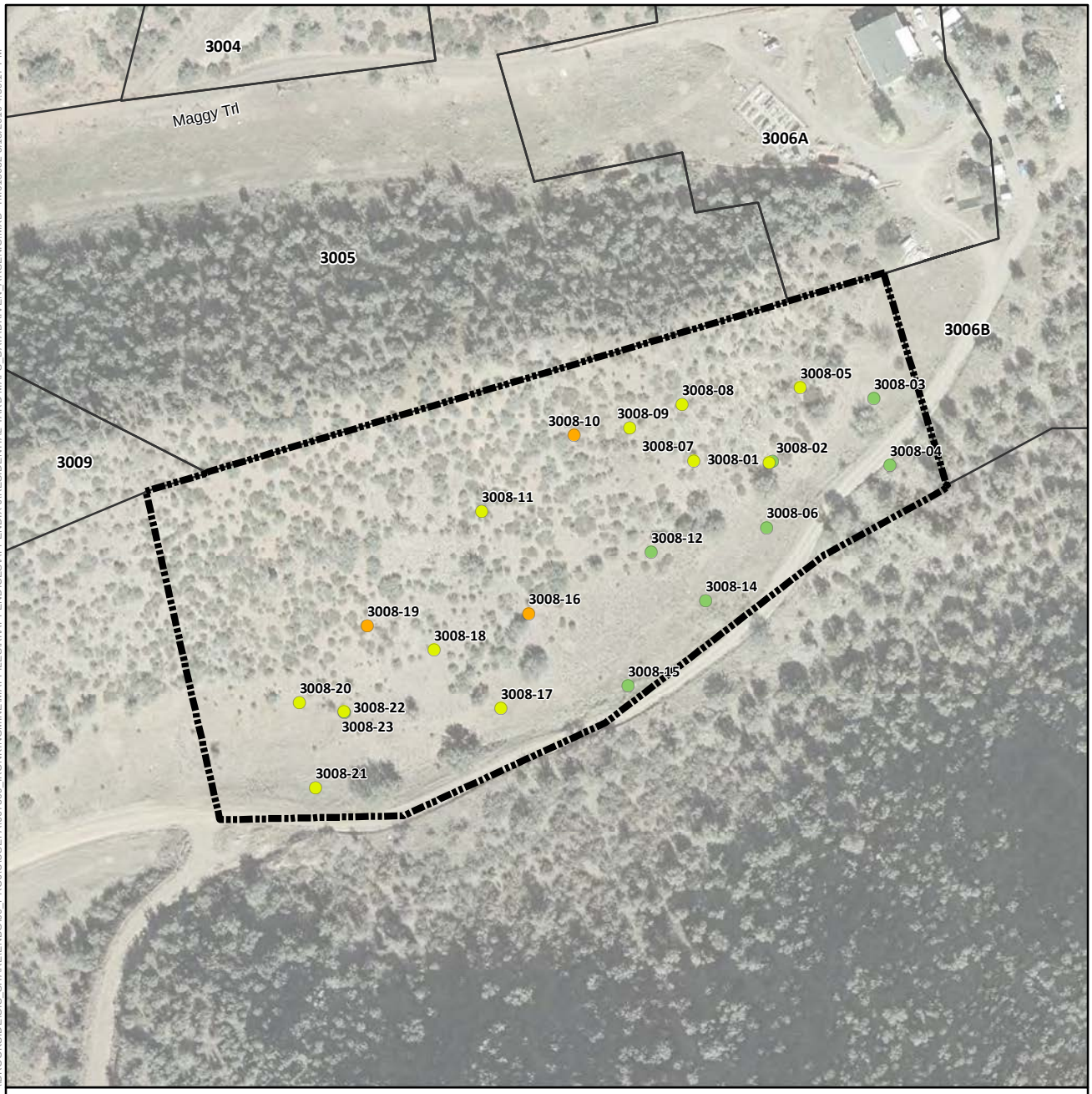


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 3006B (Page 456 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



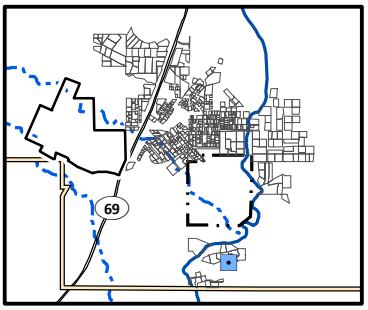
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

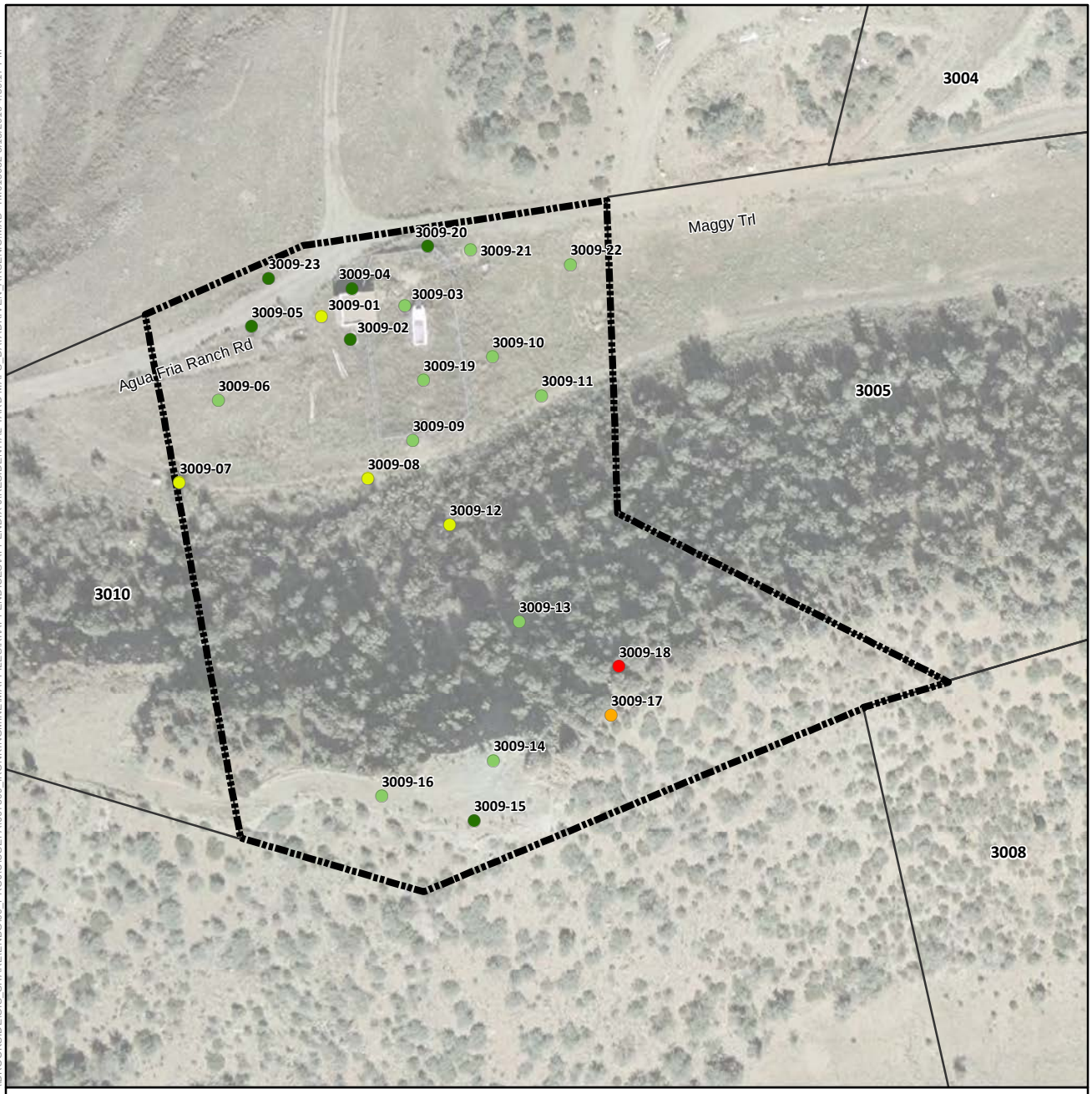
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 230
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 3008 (Page 457 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

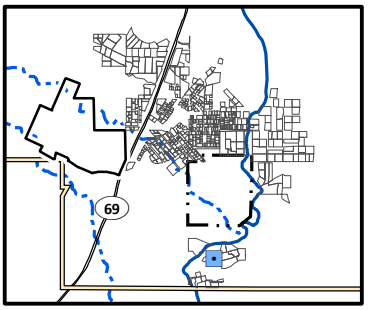


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

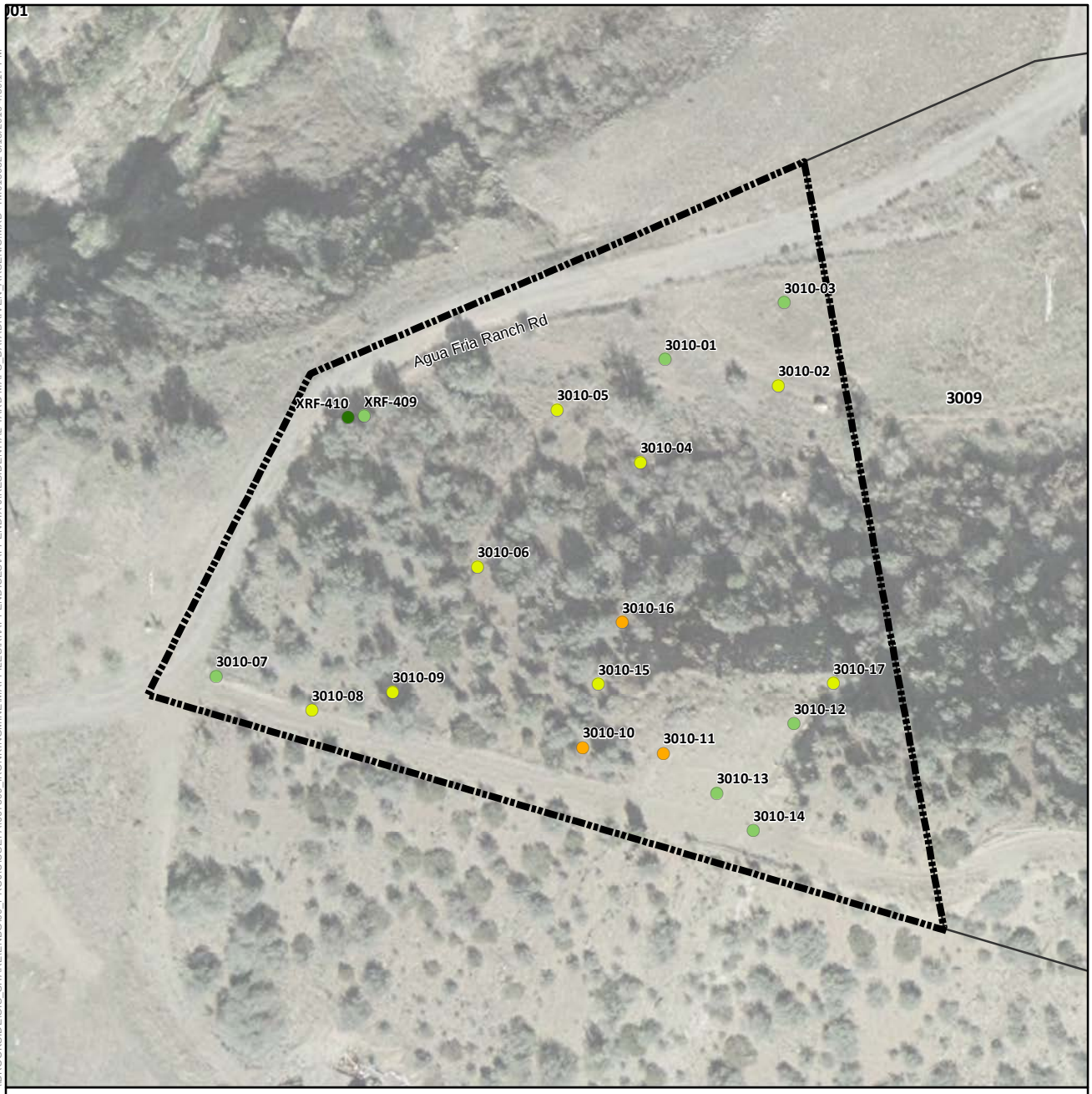


0 170
Scale in Feet
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Arsenic Distribution in Surface Soil, Yard 3009 (Page 458 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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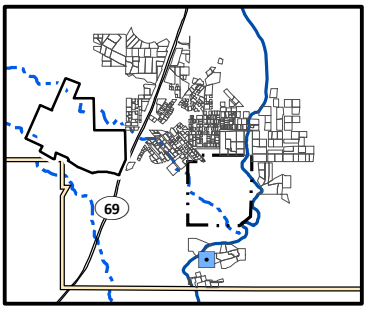
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

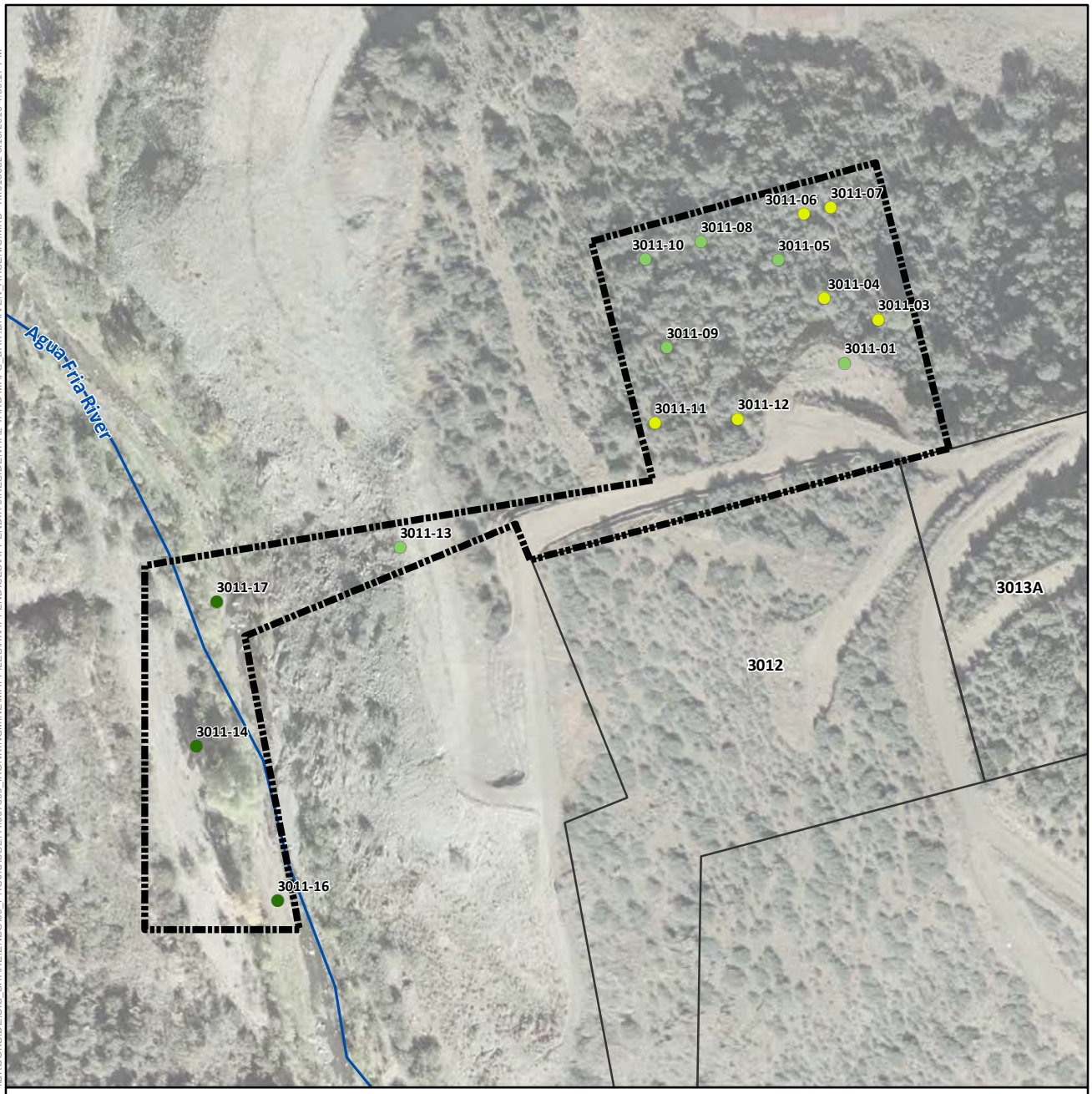


0 110
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 3010 (Page 459 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

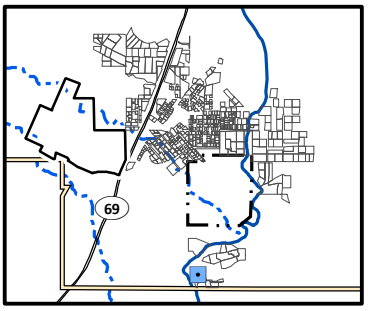


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

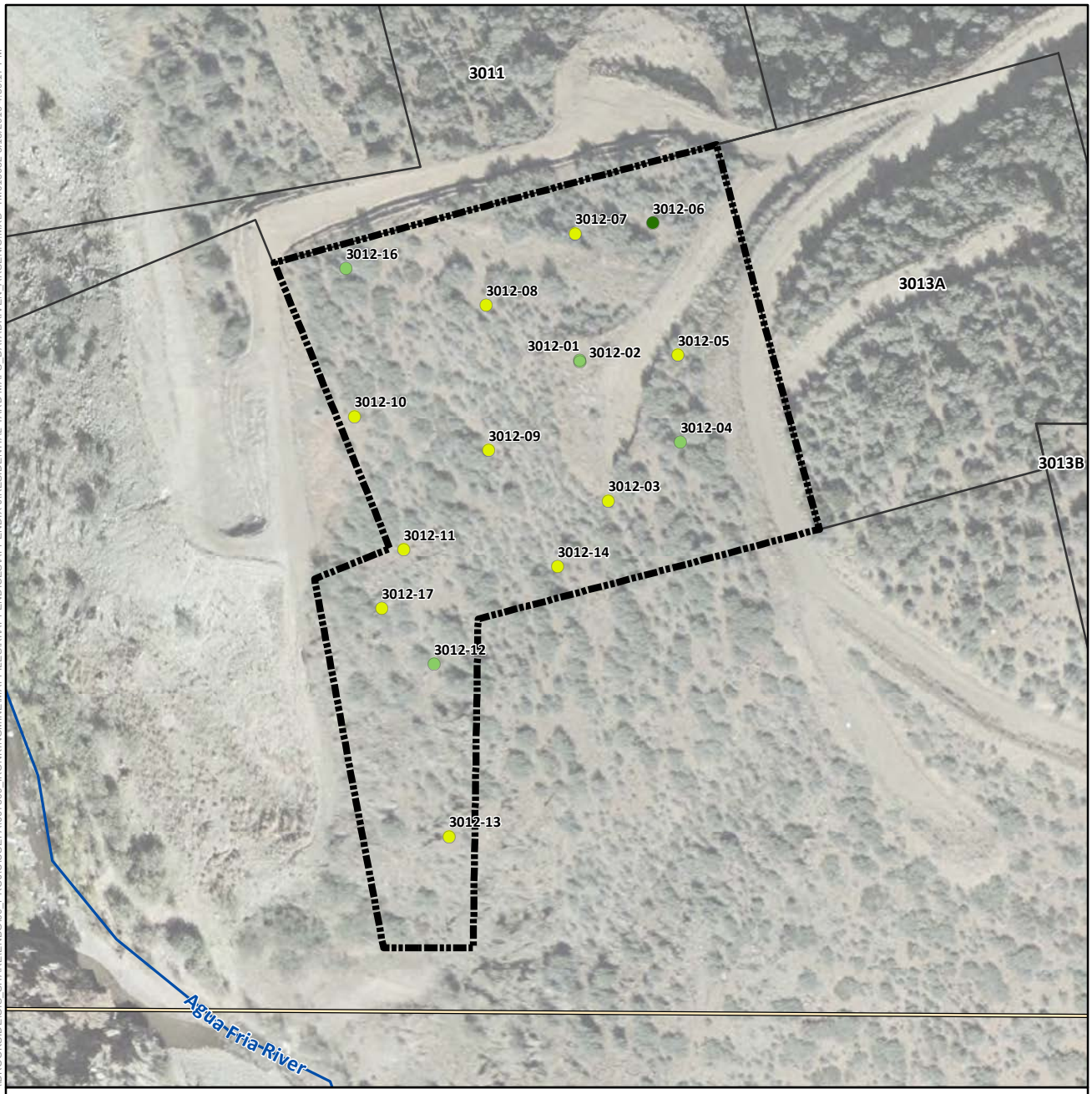


0 175
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 3011 (Page 460 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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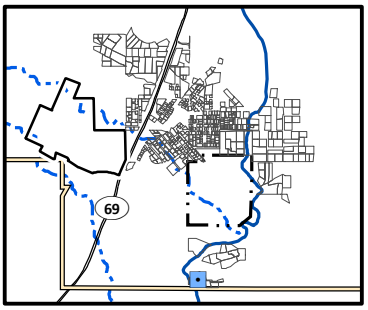
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

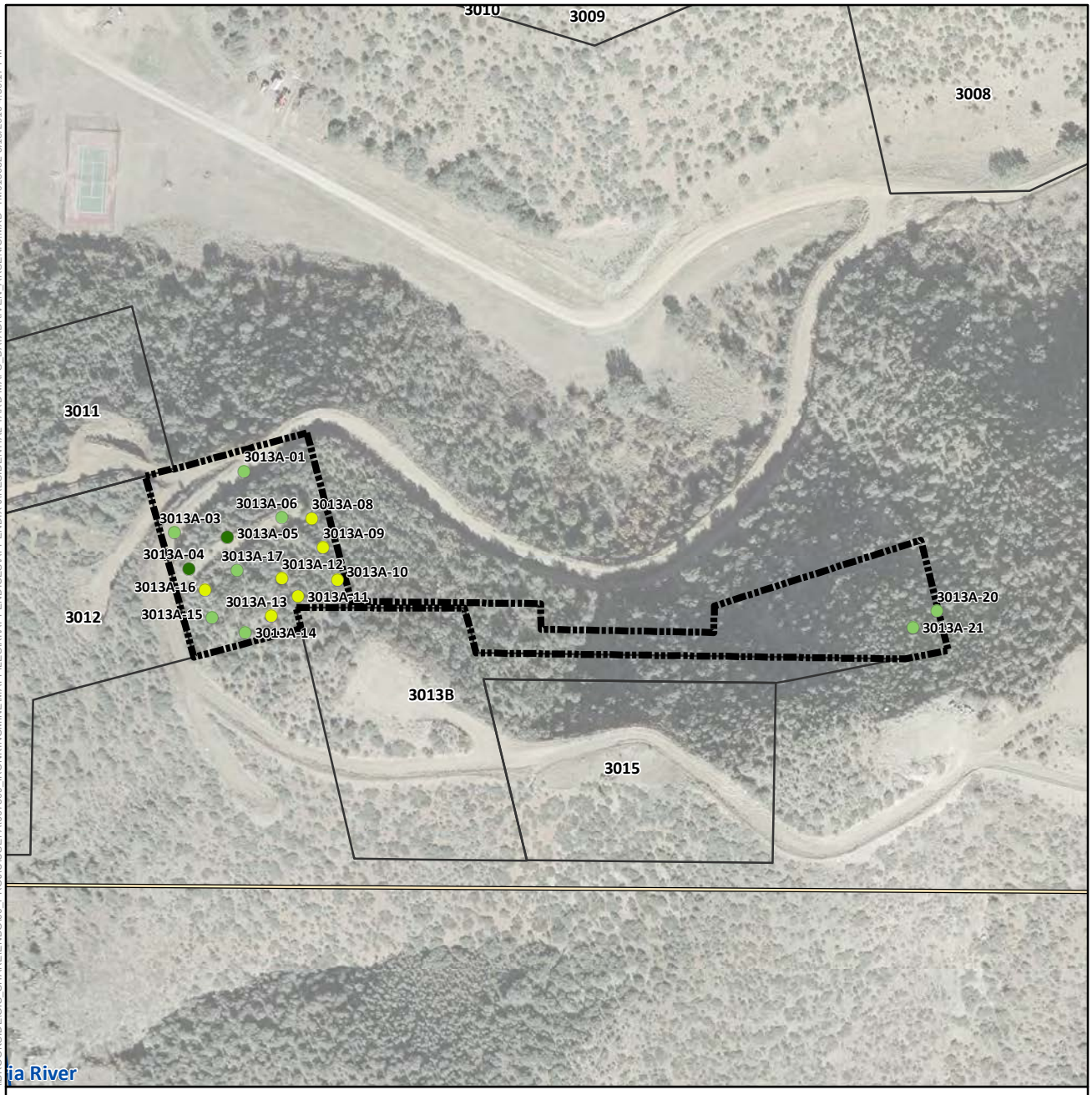


0 140
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 3012 (Page 461 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

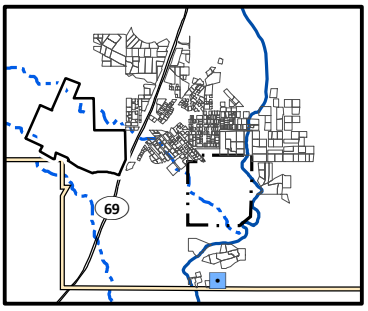


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

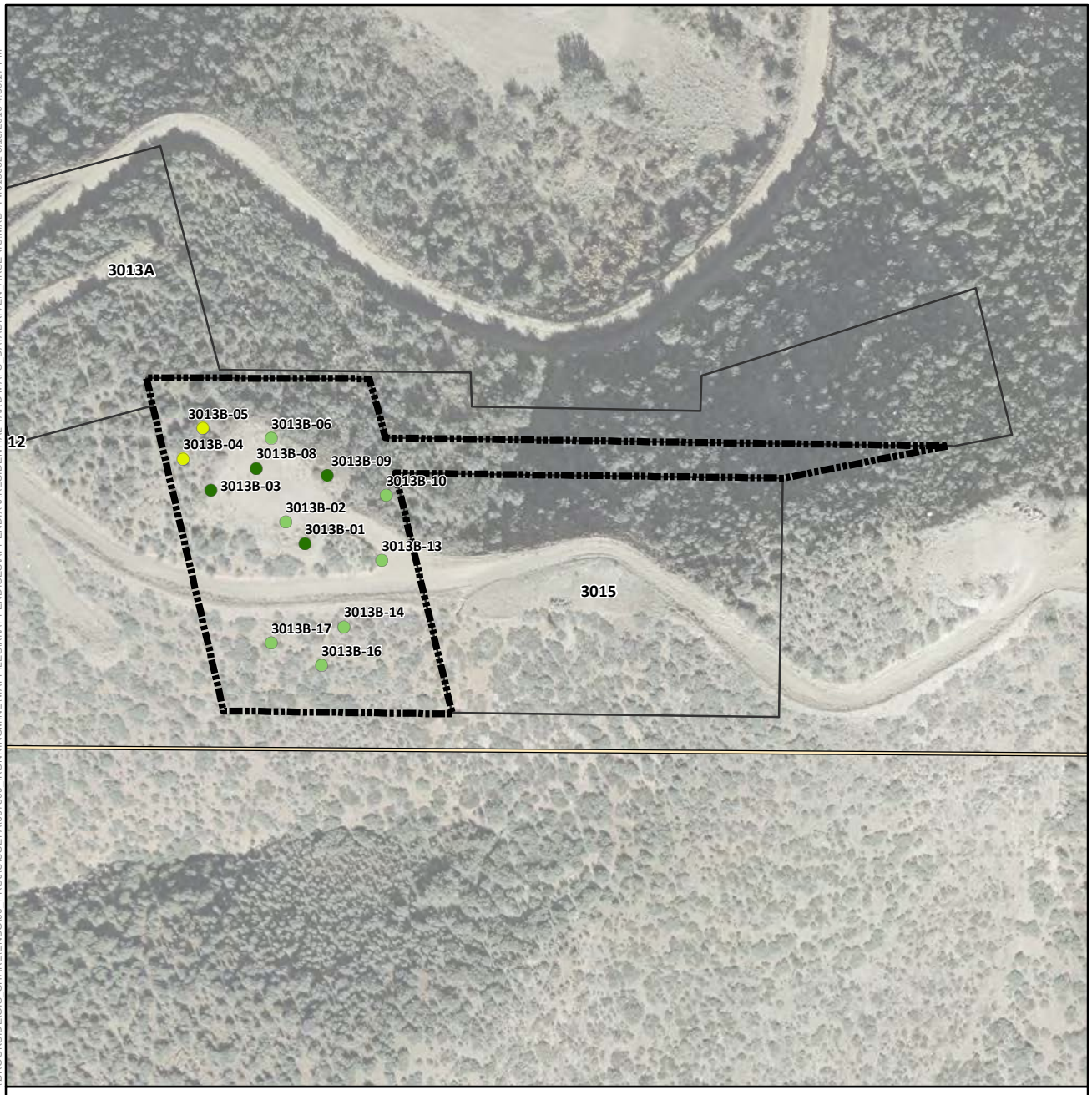


0 310
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 3013A (Page 462 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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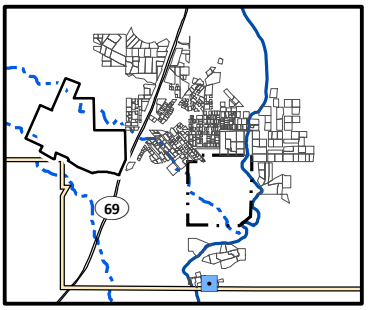
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

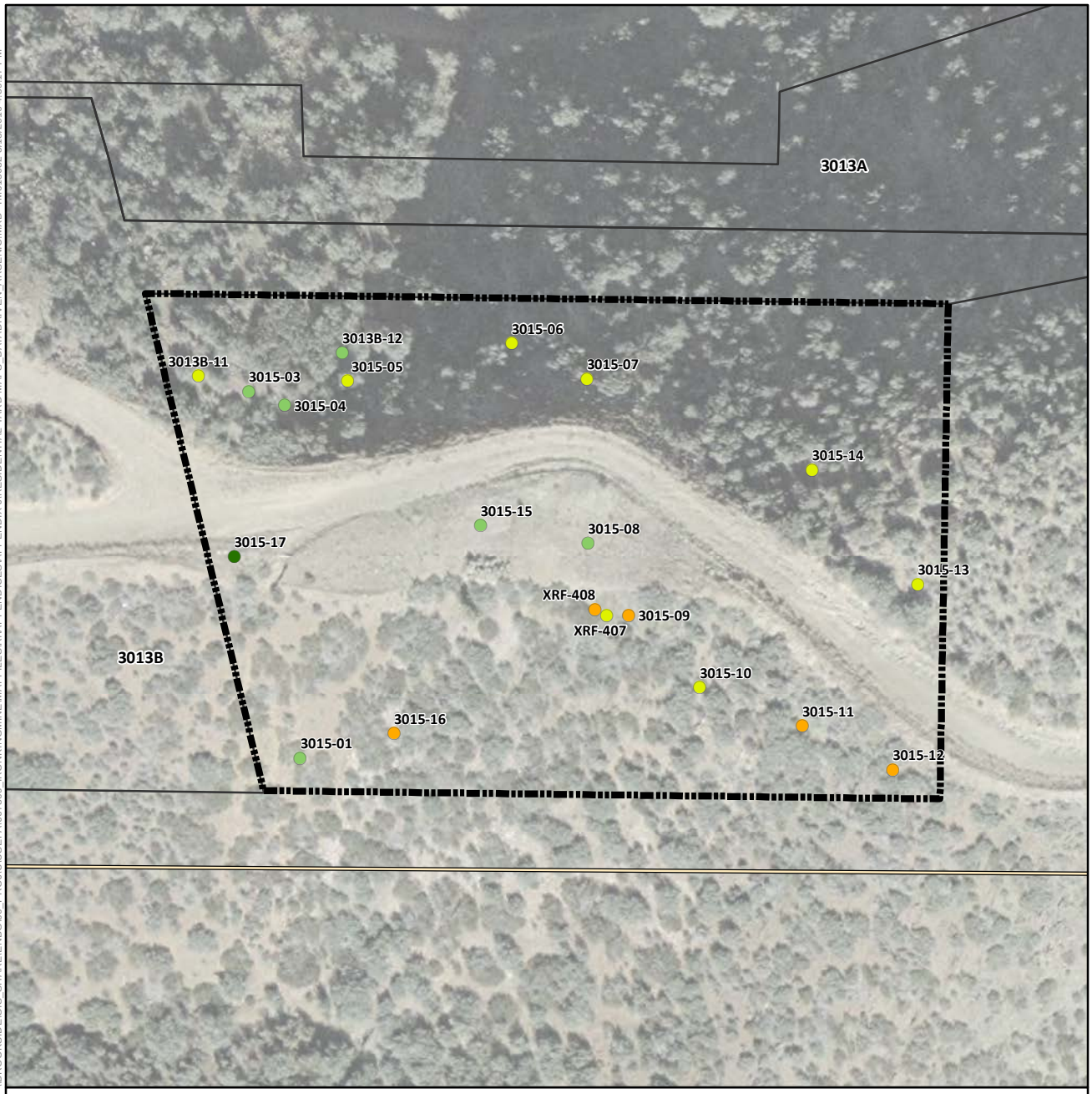


0 230
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 3013B (Page 463 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



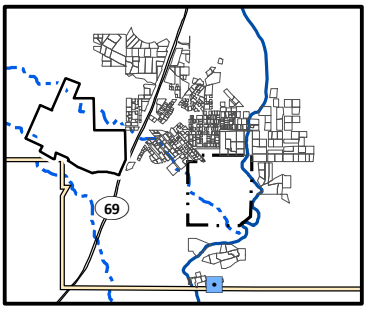
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

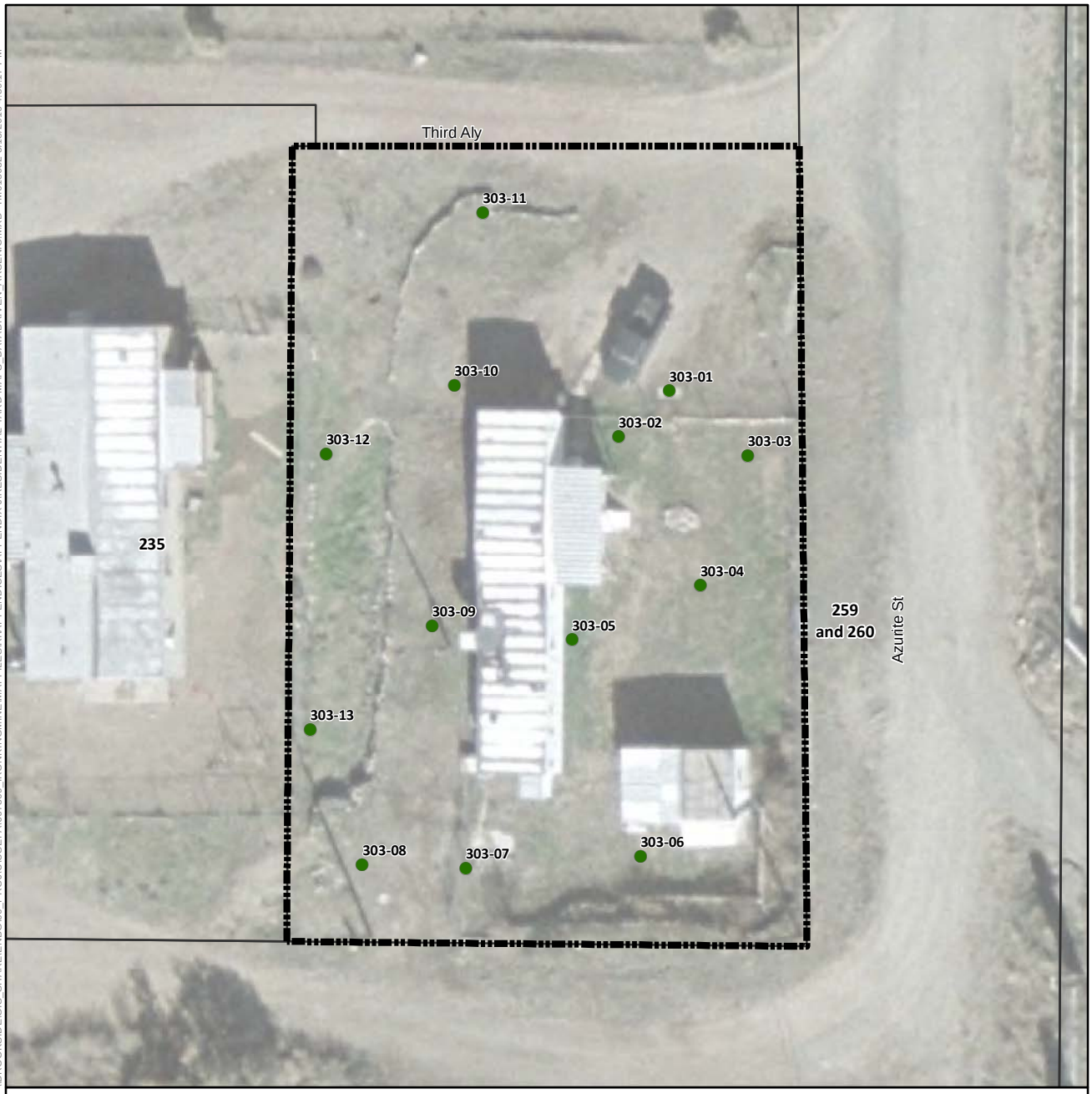


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 3015 (Page 464 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



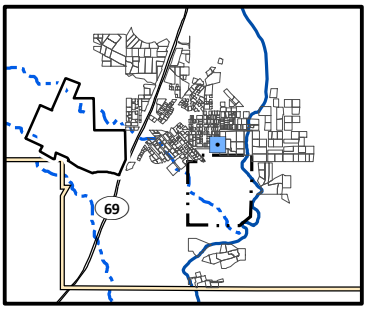
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 303 (Page 465 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



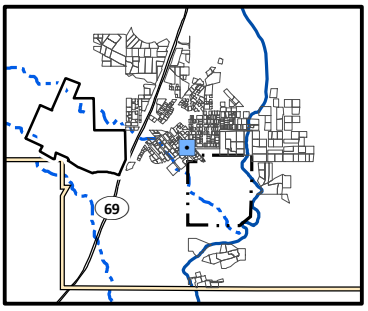
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 307 (Page 466 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



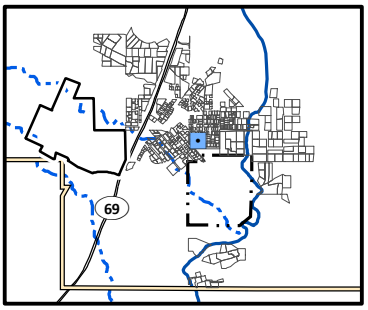
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 308 (Page 467 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



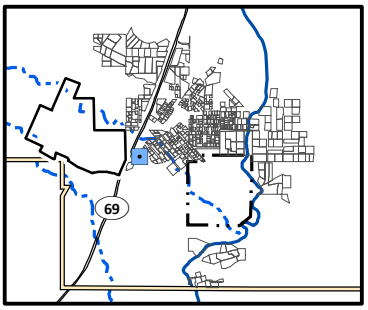
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
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- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
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- Dewey-Humboldt Town Boundary

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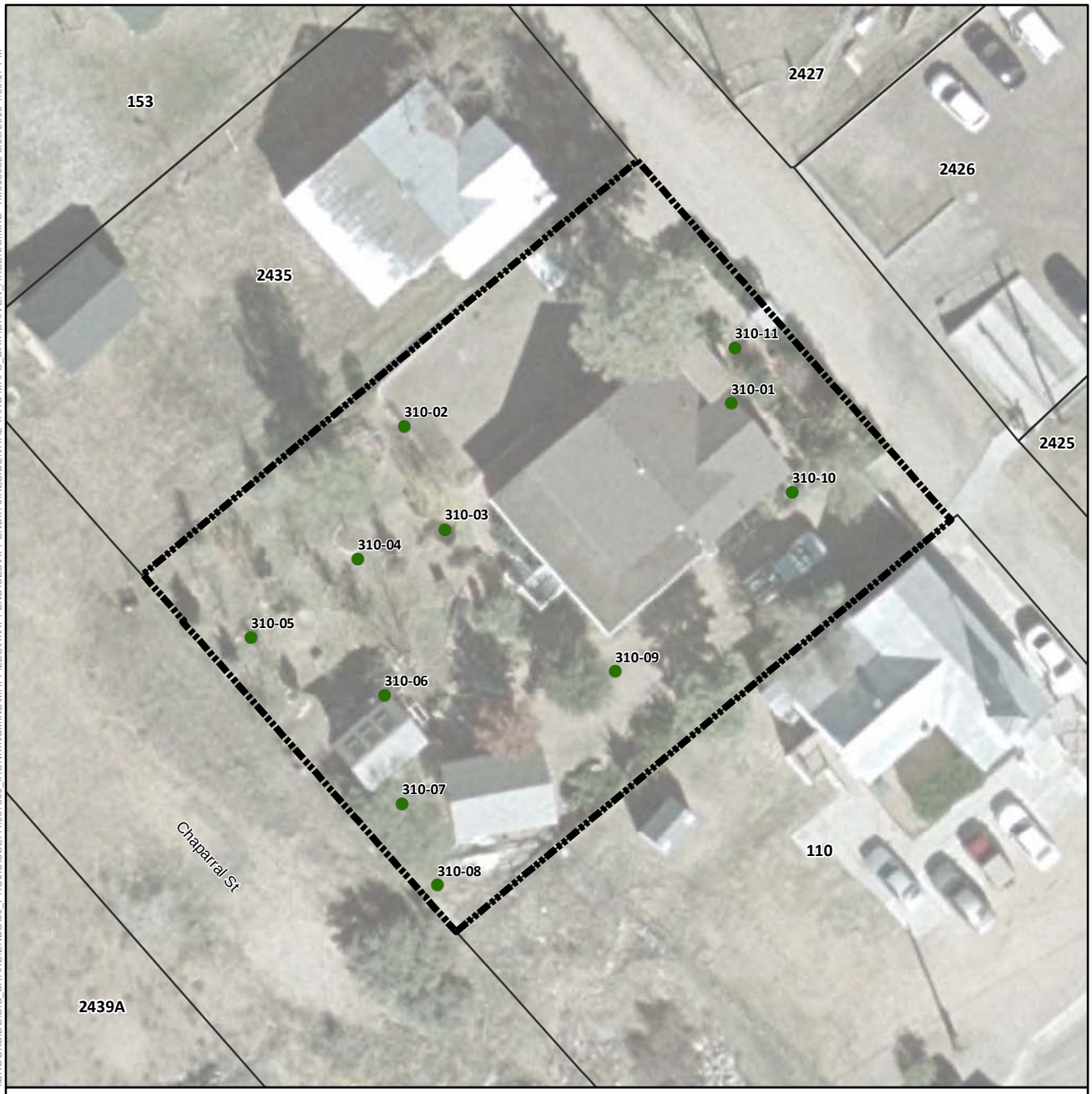


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Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 309 (Page 468 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



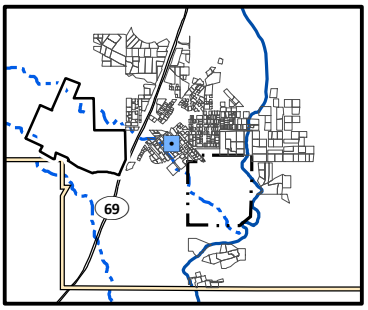
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

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Arsenic Distribution in Surface Soil, Yard 310 (Page 469 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



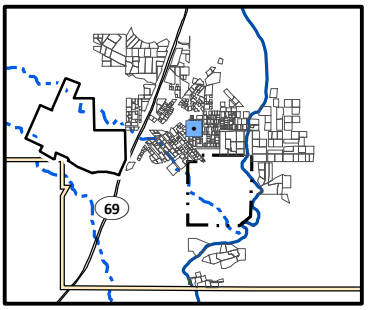
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
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- Yard Boundary
- Adjacent Yard Boundary
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 311 (Page 470 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



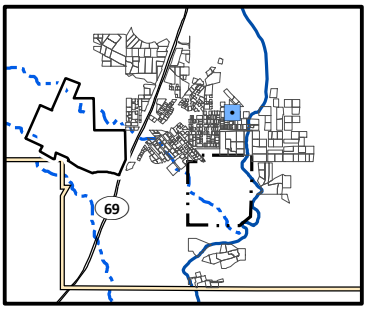
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
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- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 40W (Page 471 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

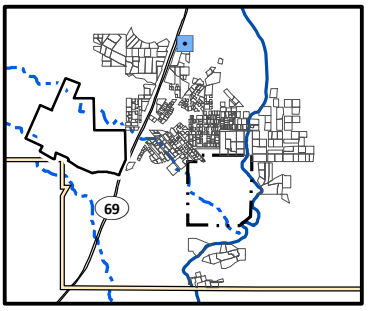


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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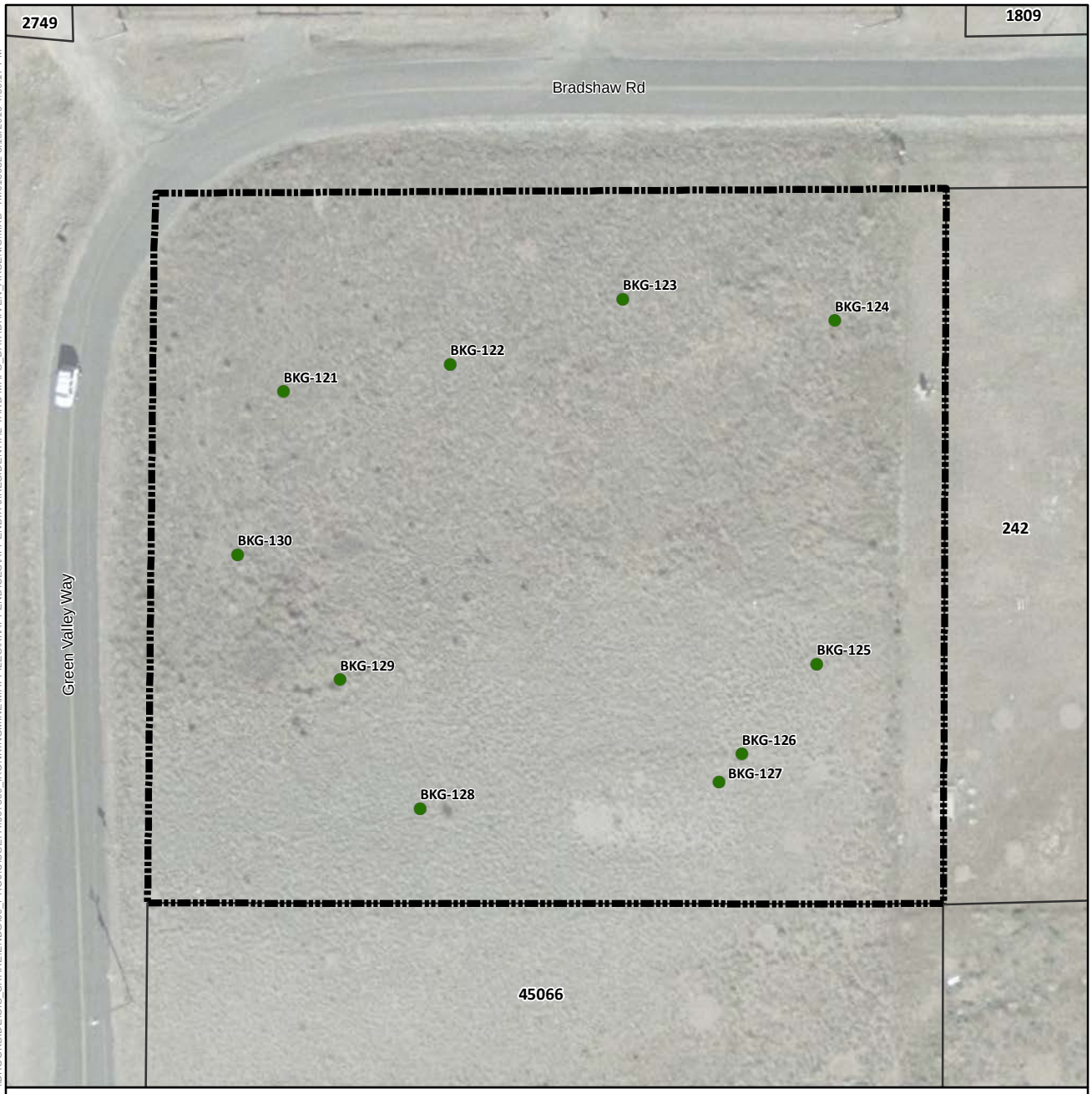
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Arsenic Distribution in Surface Soil, Yard 42269W (Page 472 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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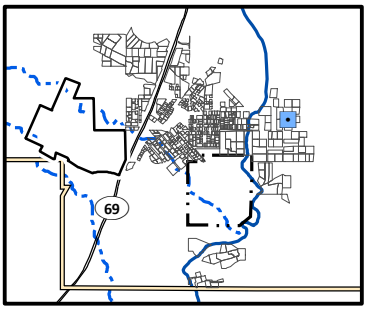
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

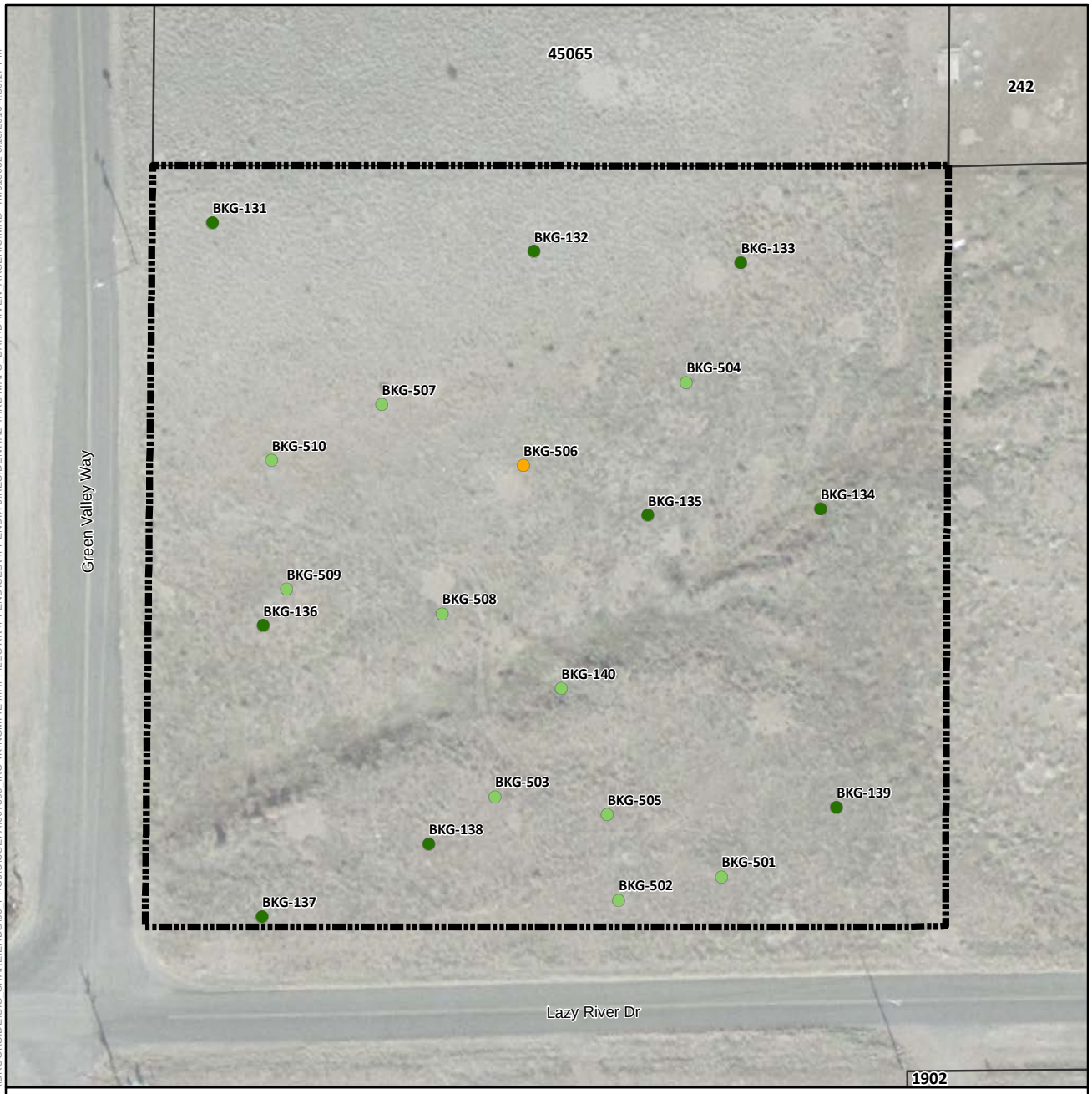


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Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 45065 (Page 473 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



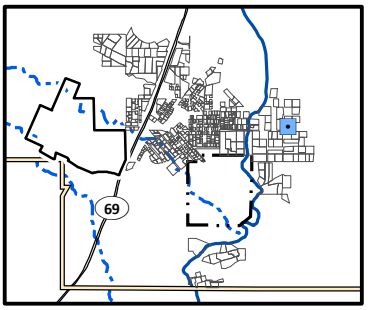
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard 45066 (Page 474 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



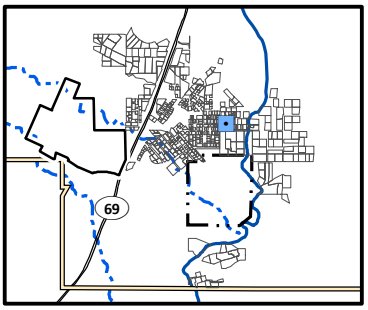
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
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- >194 to 400
- >400 to 800
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

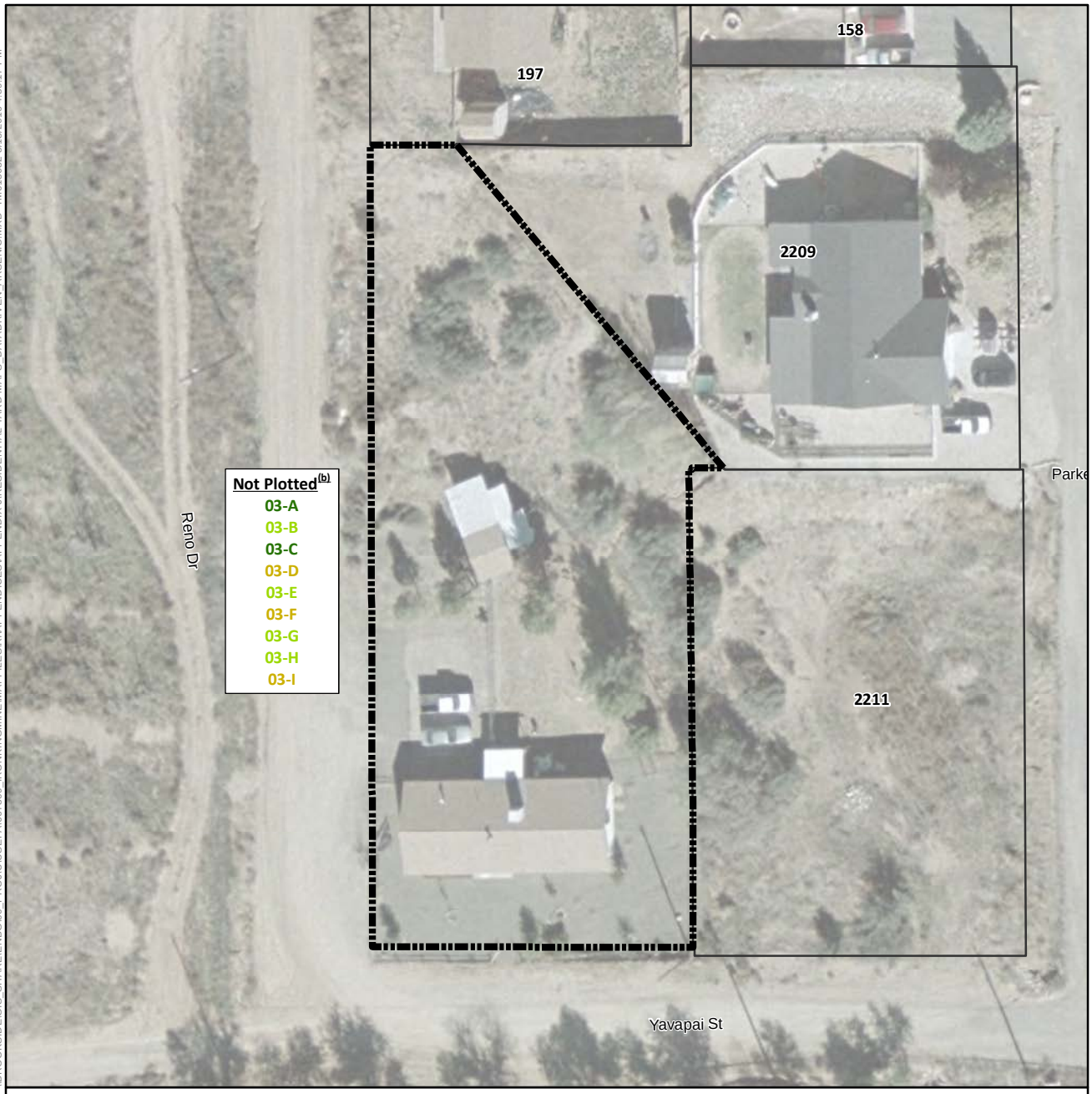


0 50
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard 80J (Page 475 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\IUSEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

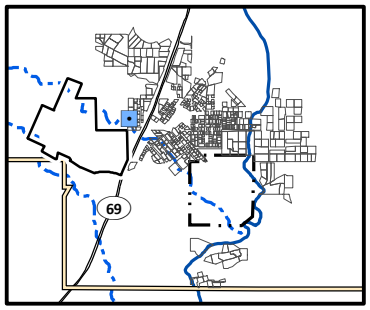


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 03-A through 03-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

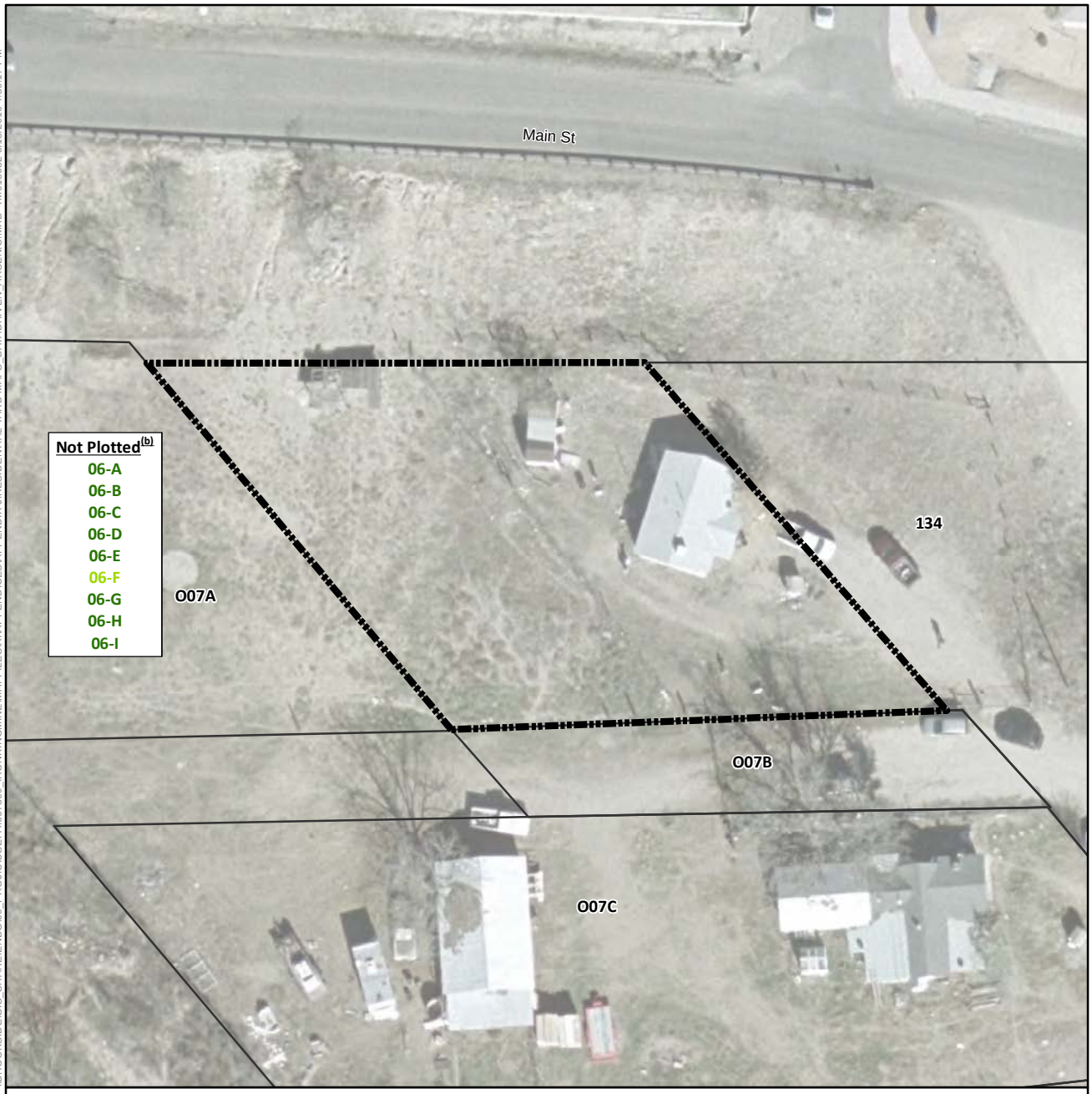


0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O03 (Page 476 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDEGIS_SHARE\ENBG\00_PROJ\U\USEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL_YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

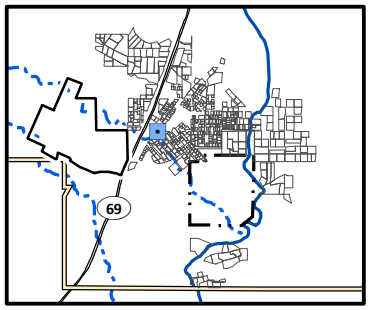


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 06-A through 06-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).

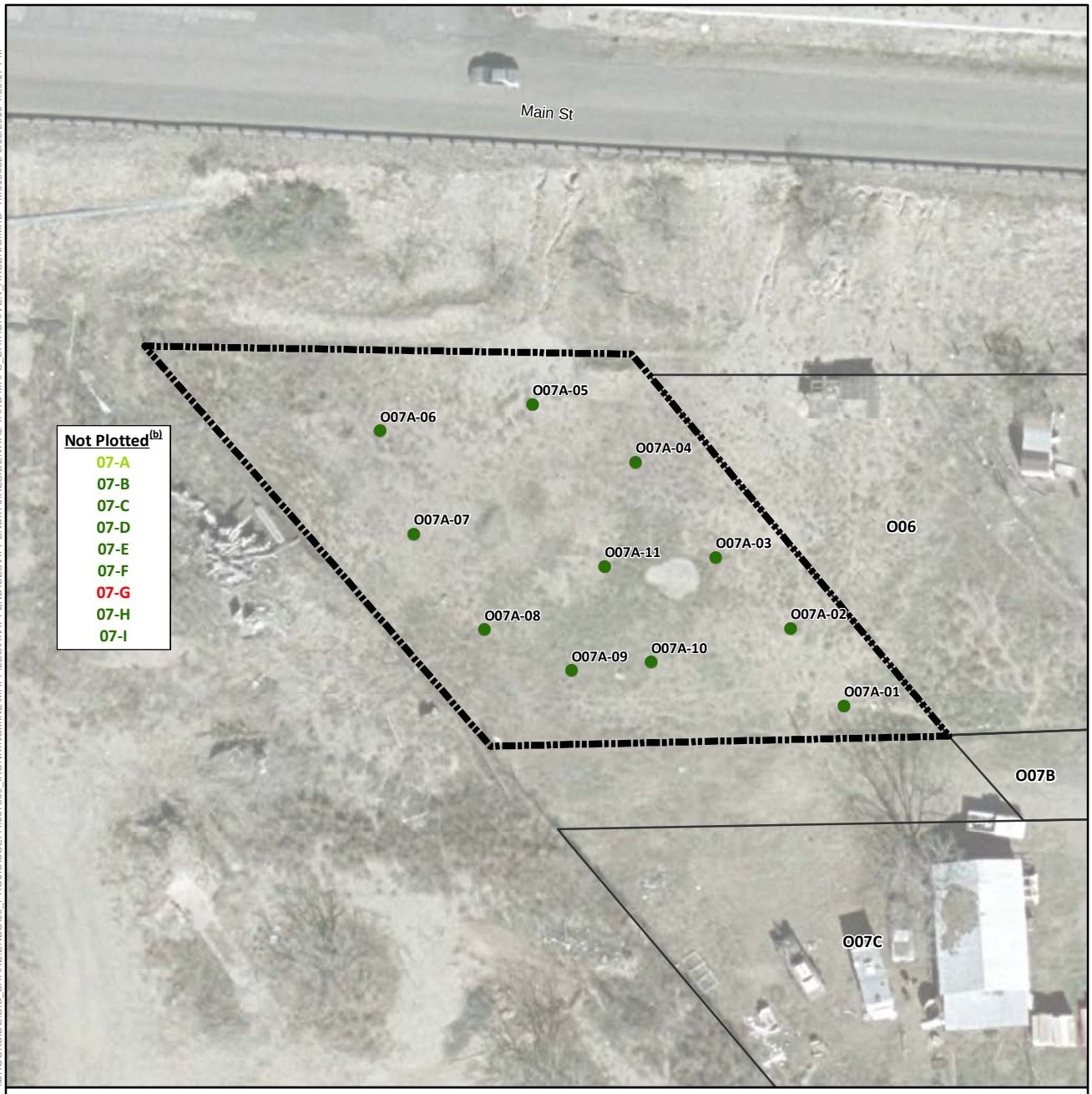
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O06 (Page 477 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



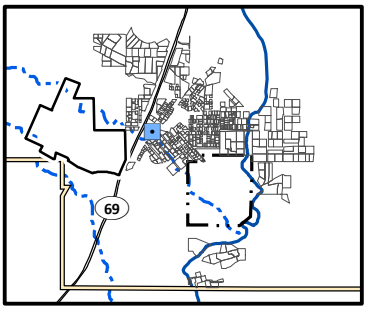
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 07-A through 07-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).

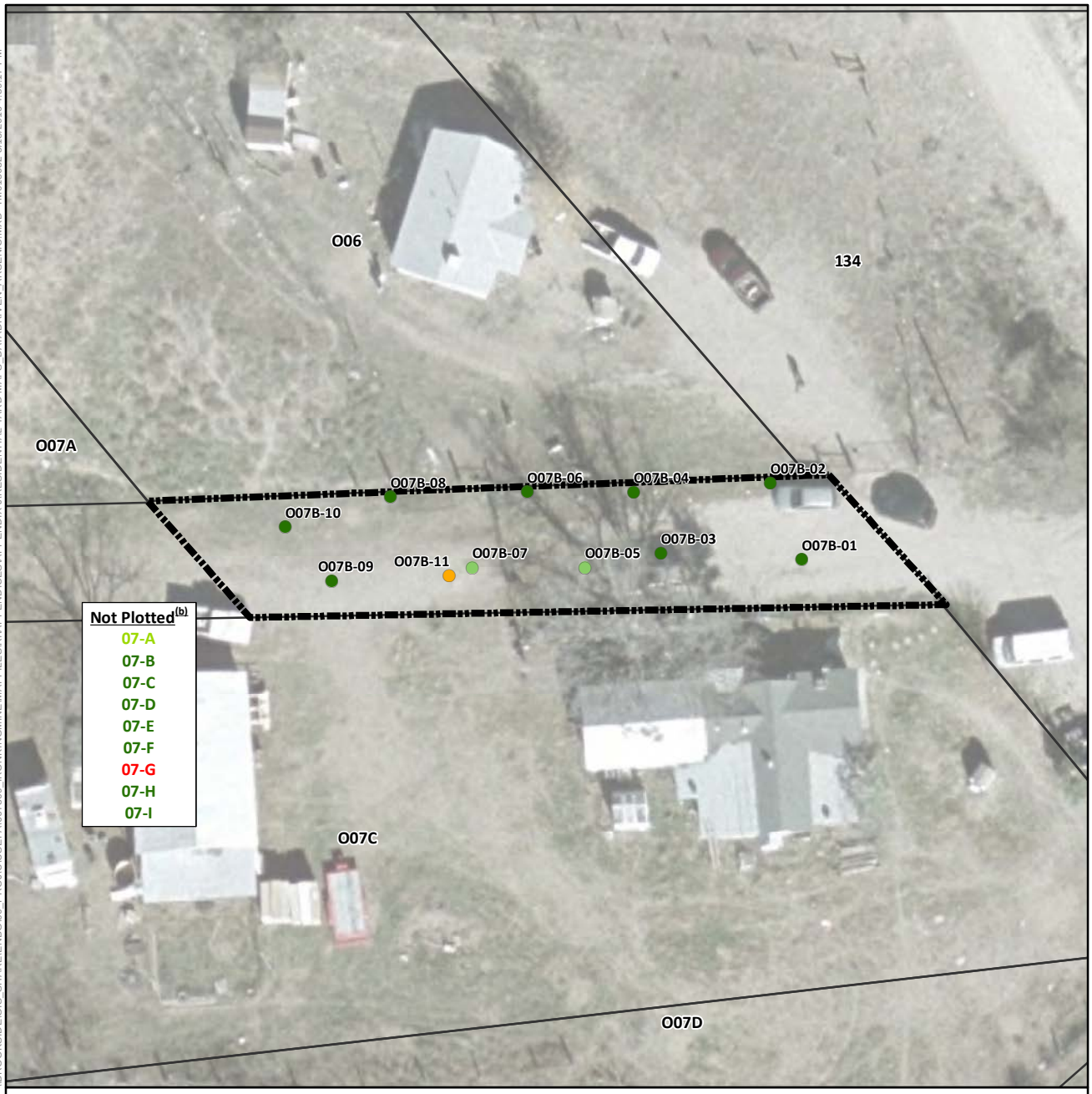
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O07A (Page 478 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



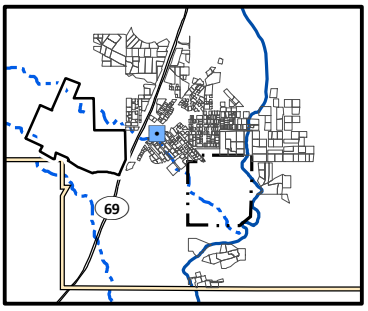
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 07-A through 07-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

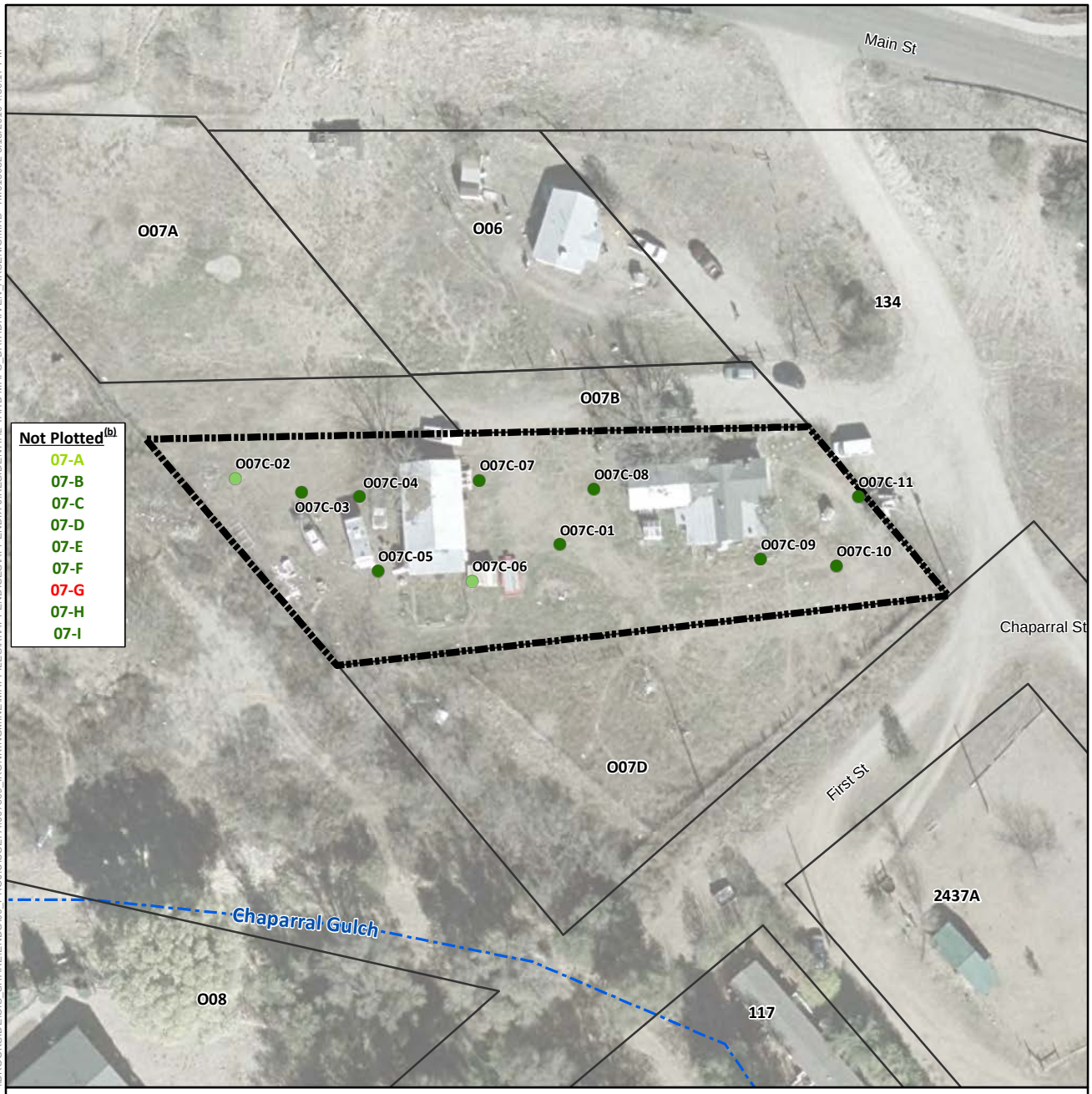


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard O07B (Page 479 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



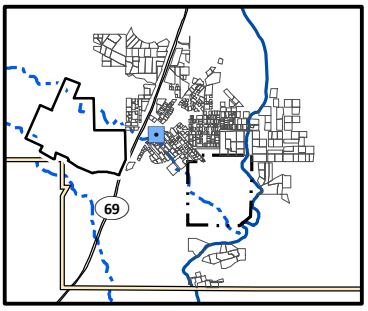
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 07-A through 07-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).

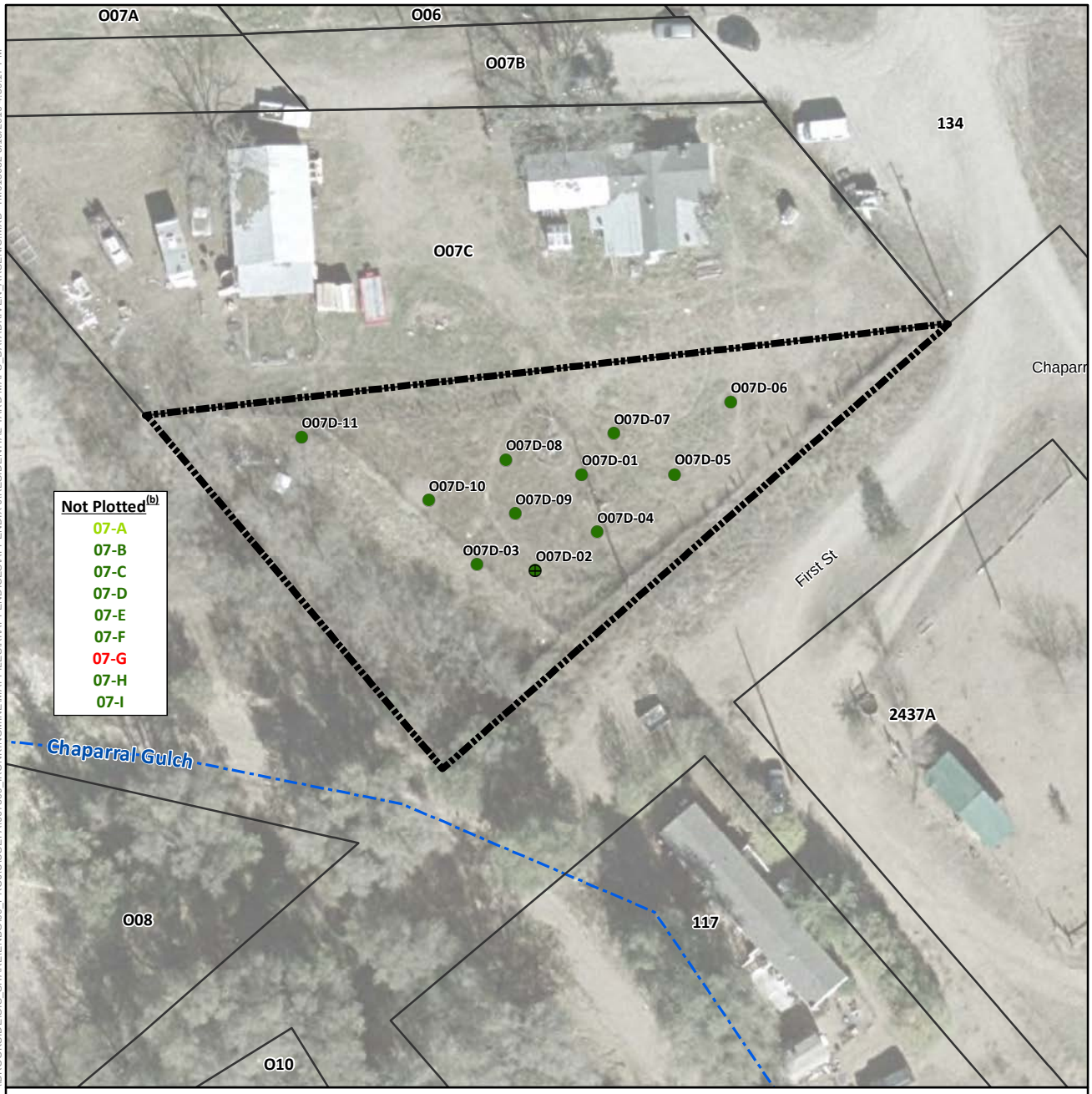
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O07C (Page 480 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



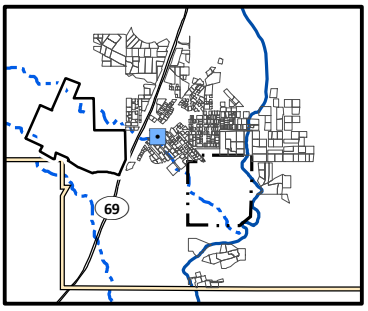
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 07-A through 07-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

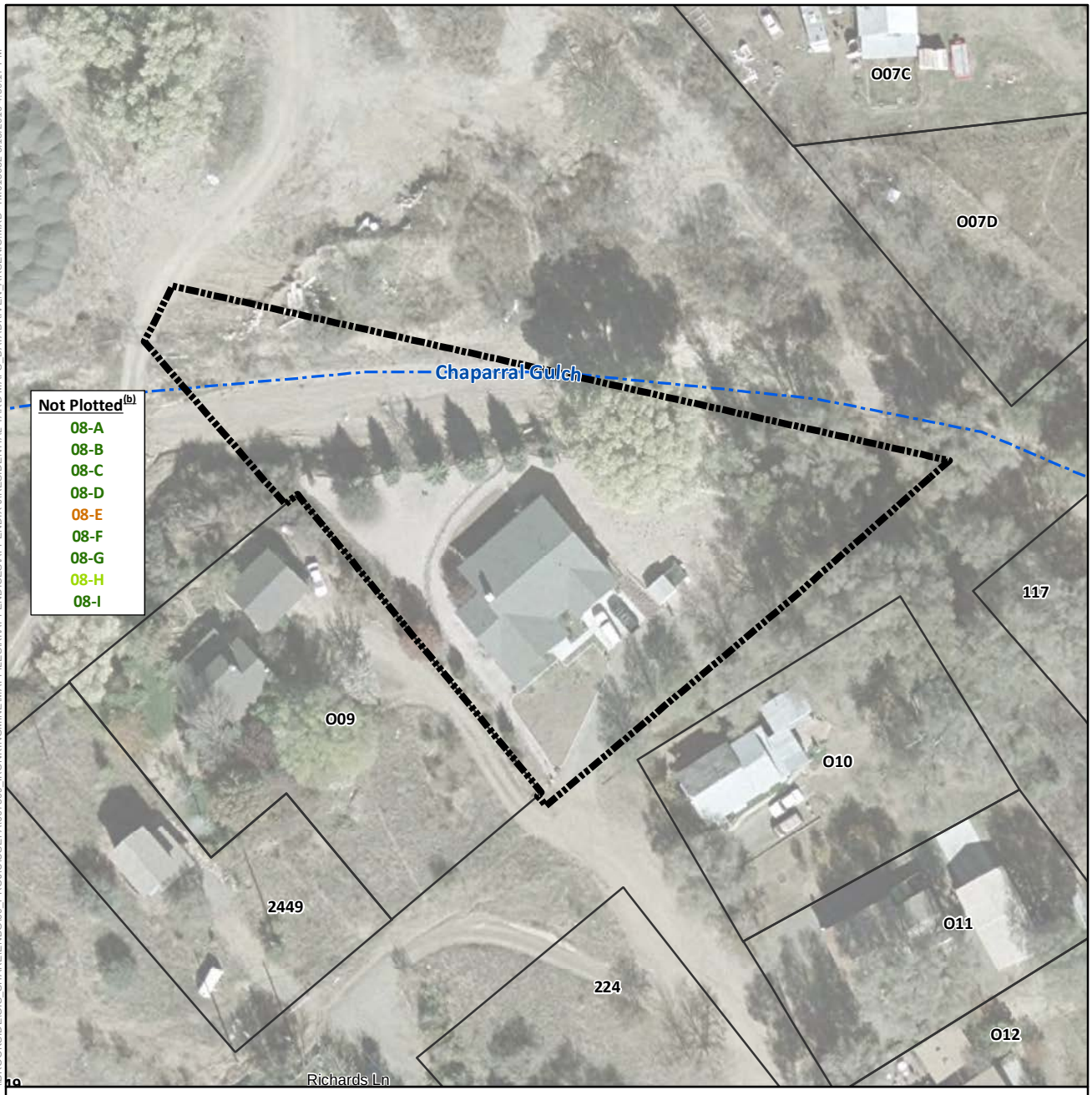


0 80
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O07D (Page 481 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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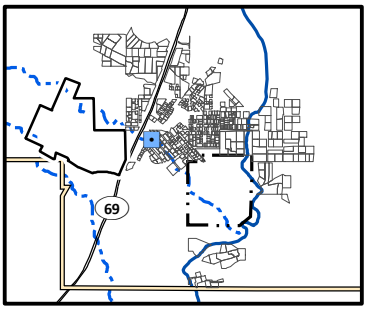


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 08-A through 08-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

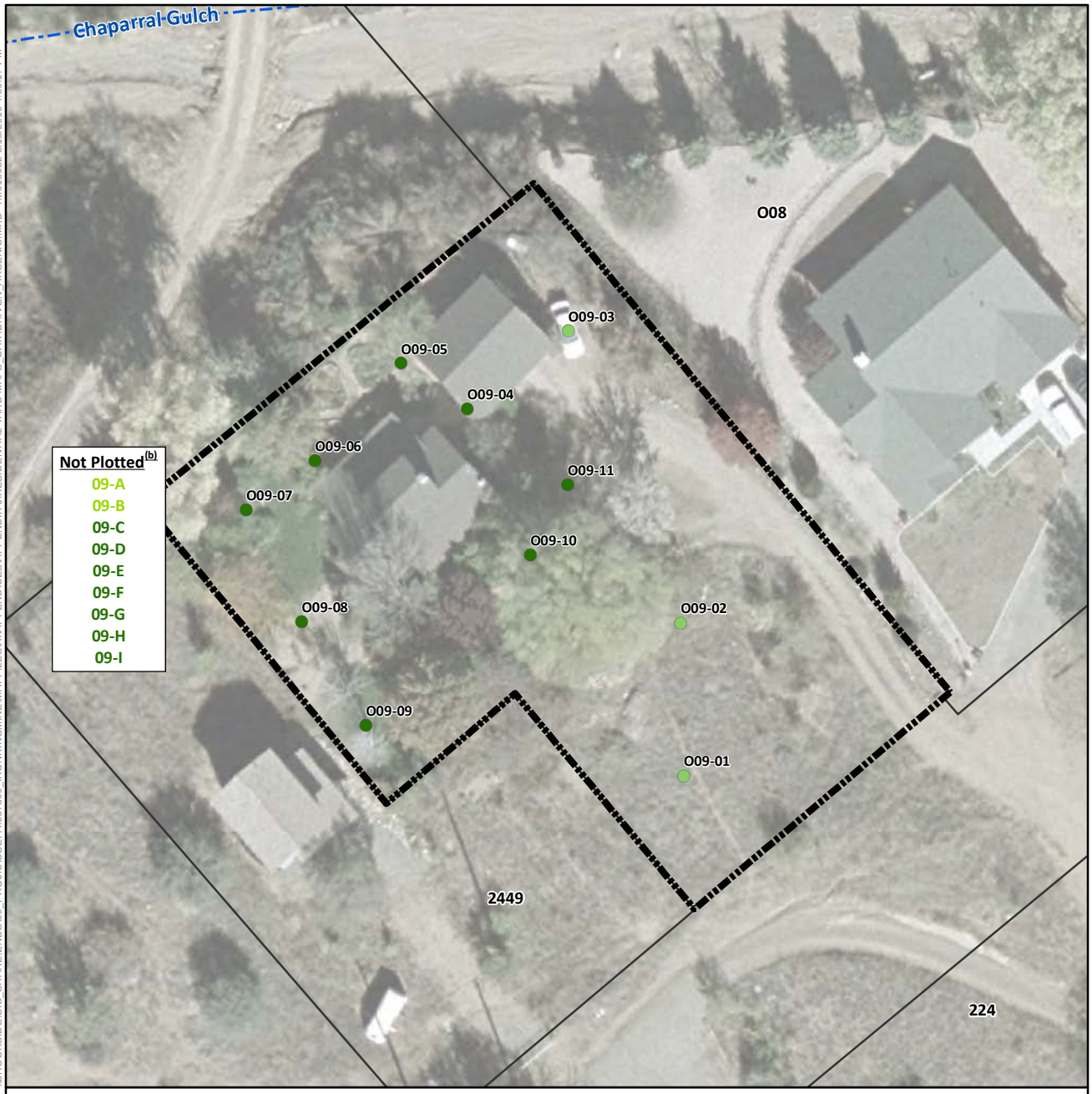
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O08 (Page 482 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



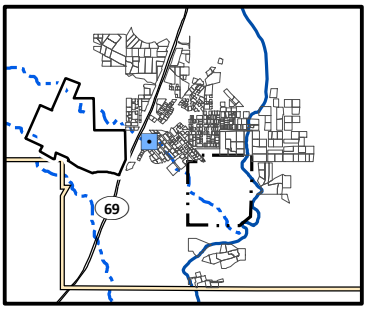
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 09-A through 09-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O09 (Page 483 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



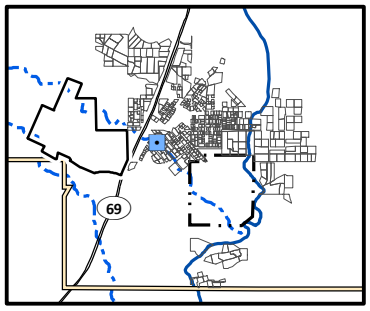
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 10-A through 10-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

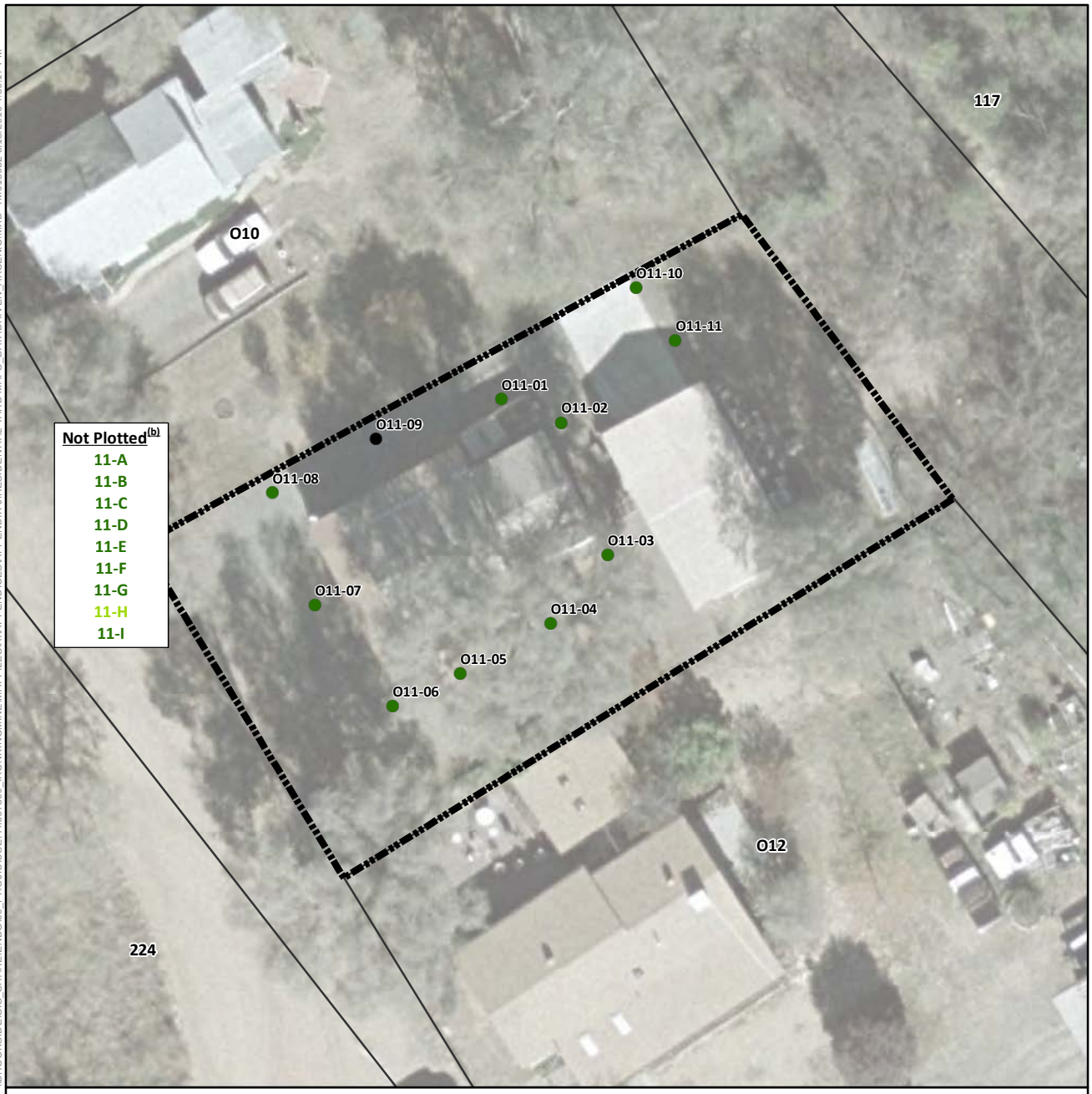


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard O10 (Page 484 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



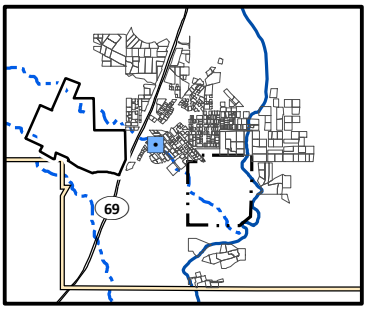
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 11-A through 11-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

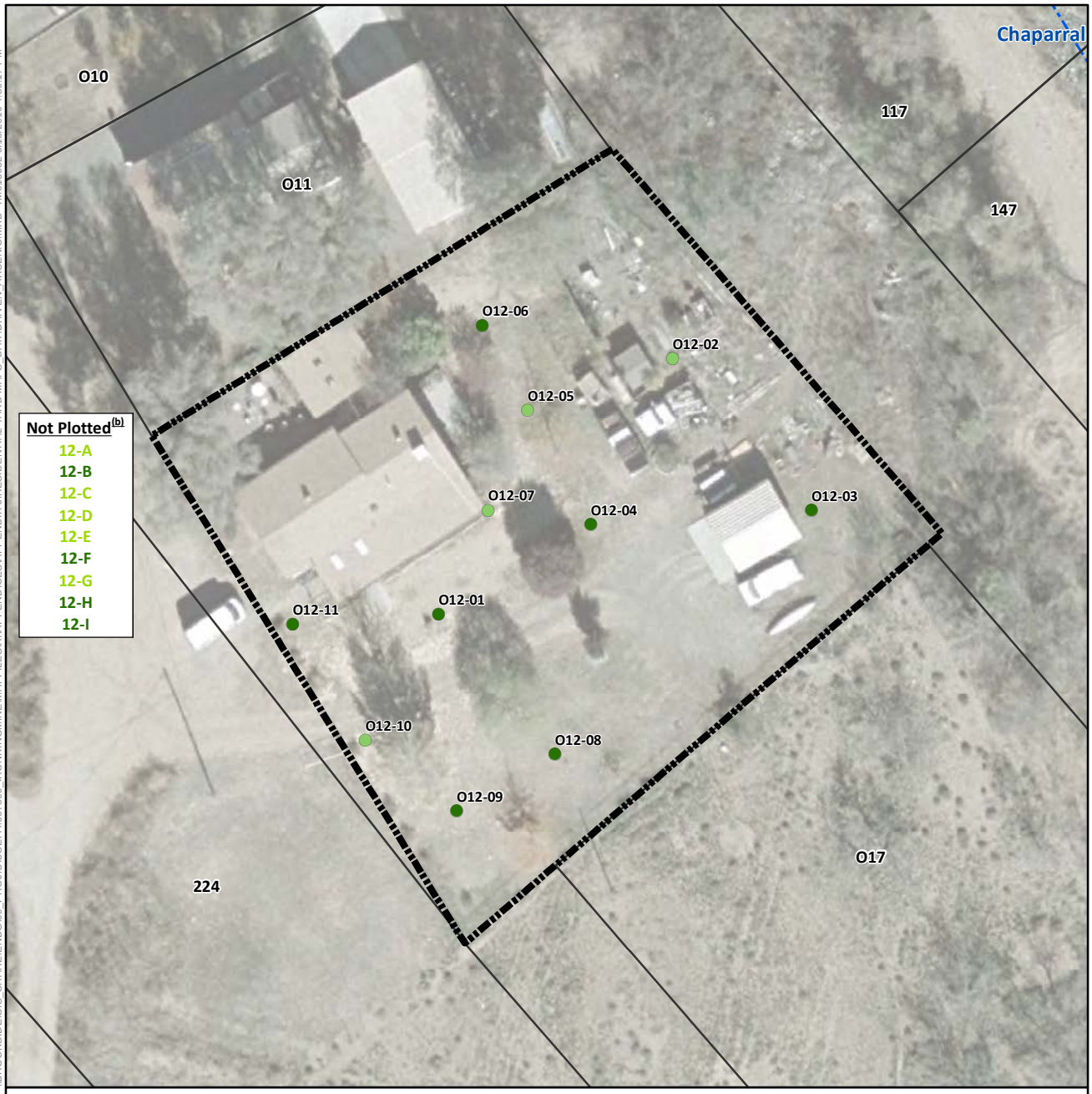


0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard O11 (Page 485 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



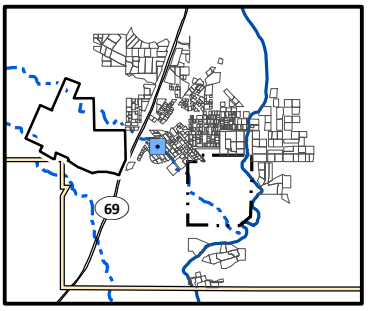
\\BROOKSIDEGIS_SHAREVENBGV00_PROJU\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 12-A through 12-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

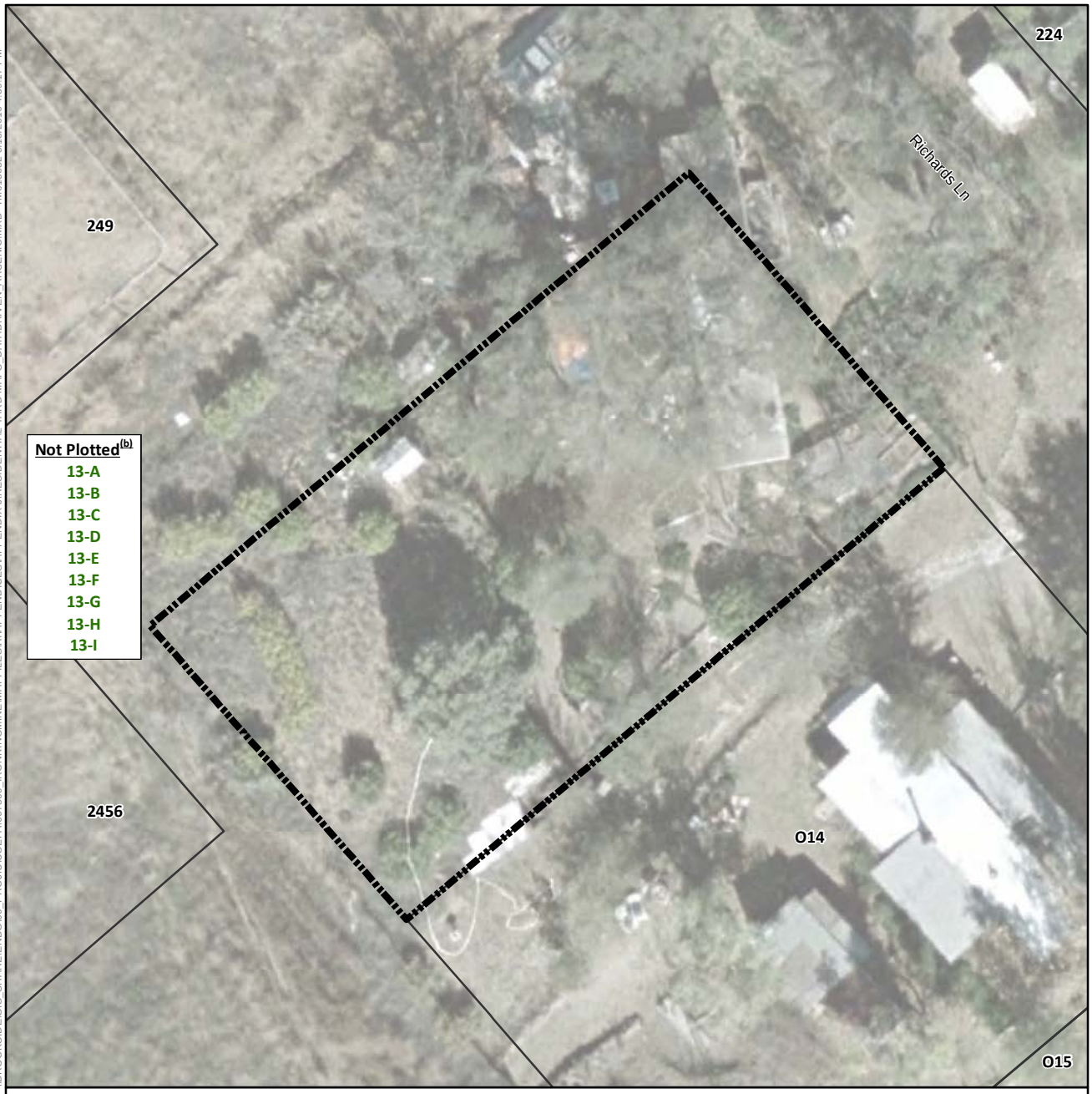


0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O12 (Page 486 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDEGIS_SHARE\ENBG\00_PROJU\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL_YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

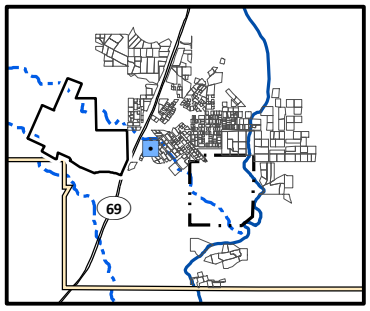


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 13-A through 13-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard O13 (Page 487 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



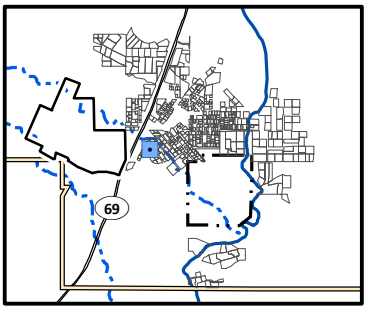
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 14-A through 14-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Arsenic Distribution in Surface Soil, Yard O14 (Page 488 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\U\USEPA\667309_IRONKING\MINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL_YARD MAPS_DATADRIVEN_ARSENIC.MXD TM0115632 5/13/2016 4:39:17 PM

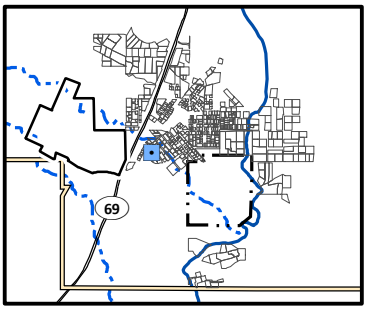


Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 15-A through 15-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O15 (Page 489 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



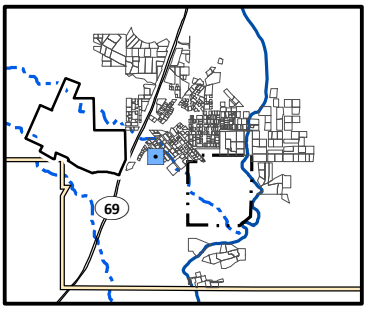
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 16-A through 16-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

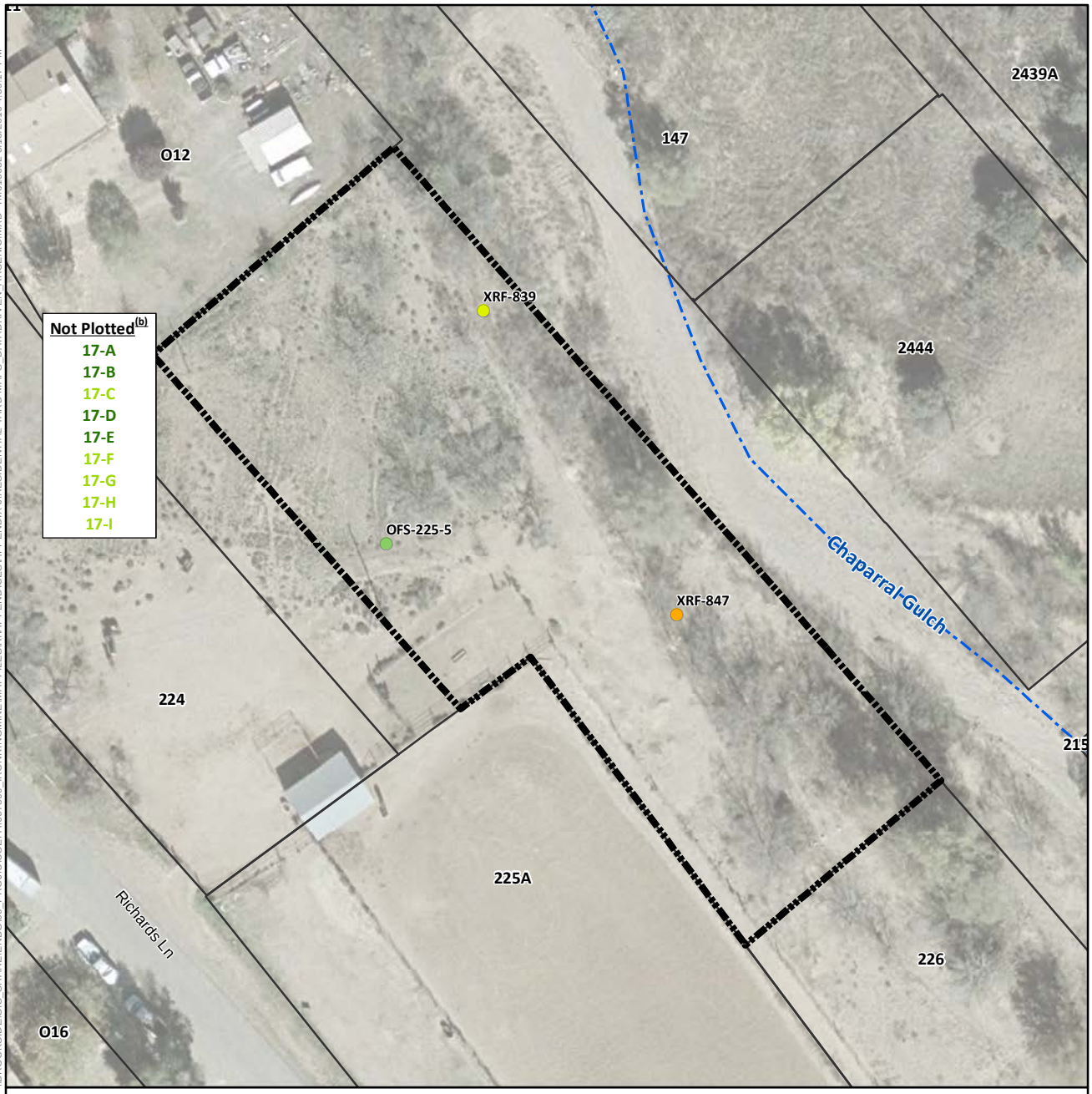
Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O16 (Page 490 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



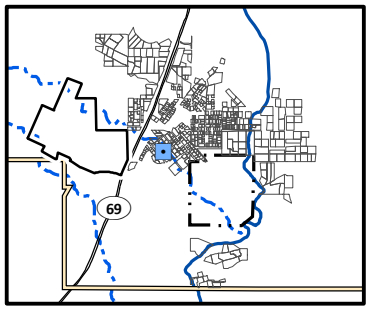
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Arsenic Concentration in Surface Soil (mg/kg)

- Not Detected
- 1.8 (Lowest Detection) to 50
- >50 to 112 (Background)
- >112 to 194 (Screening Level)
- >194 to 400
- >400 to 800
- >800 to 1,600
- 1,600 to 1,630 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 17-A through 17-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

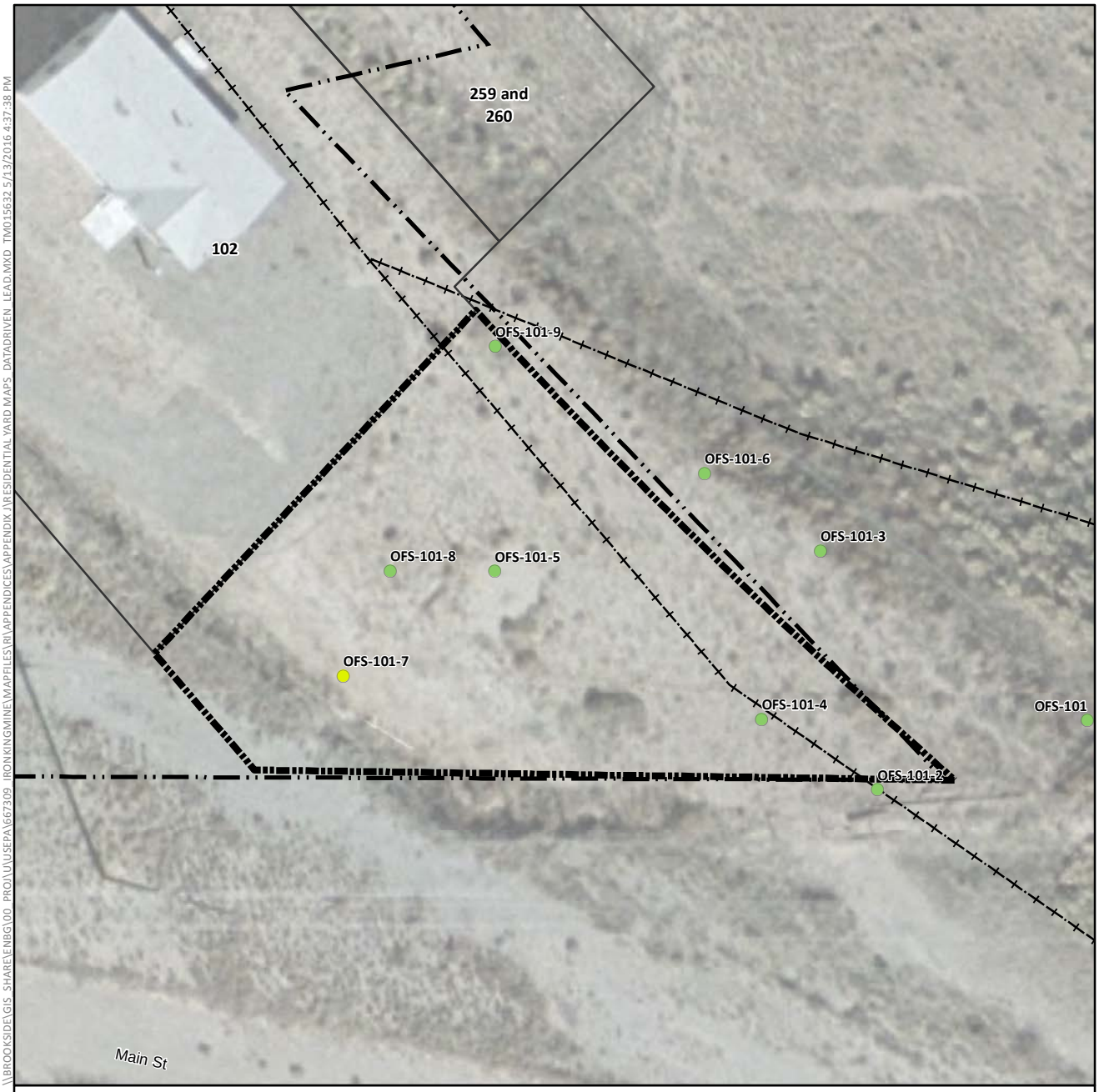


0 110
Scale in Feet
N

Arsenic Distribution in Surface Soil, Yard O17 (Page 491 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

Lead Distribution in Surface Soil



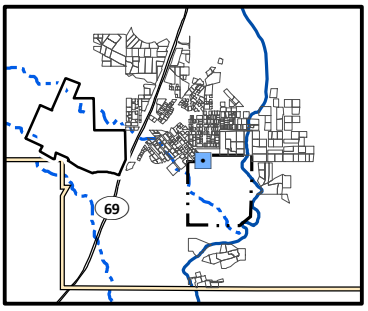
\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\U\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_LEAD.MXD TM0156632 5/13/2016 4:37:38 PM

Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 101 (Page 1 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



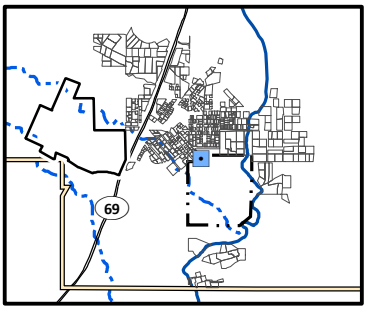
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

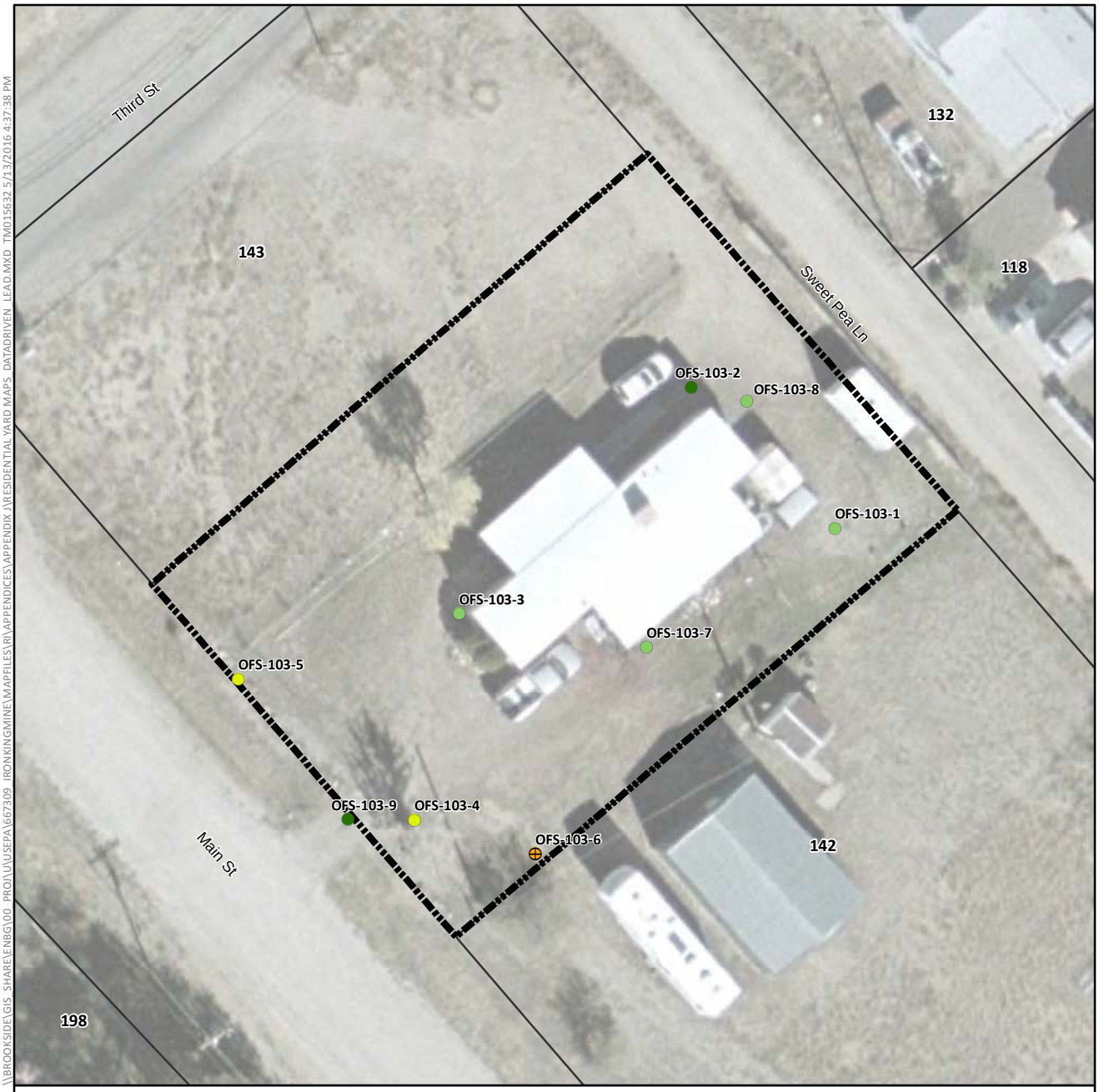
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 102 (Page 2 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



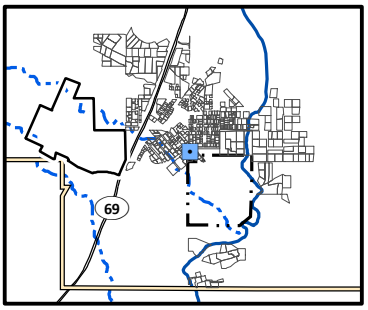
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 103 (Page 3 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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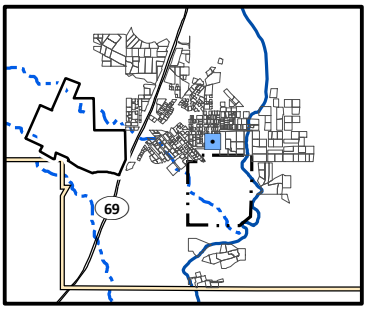


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

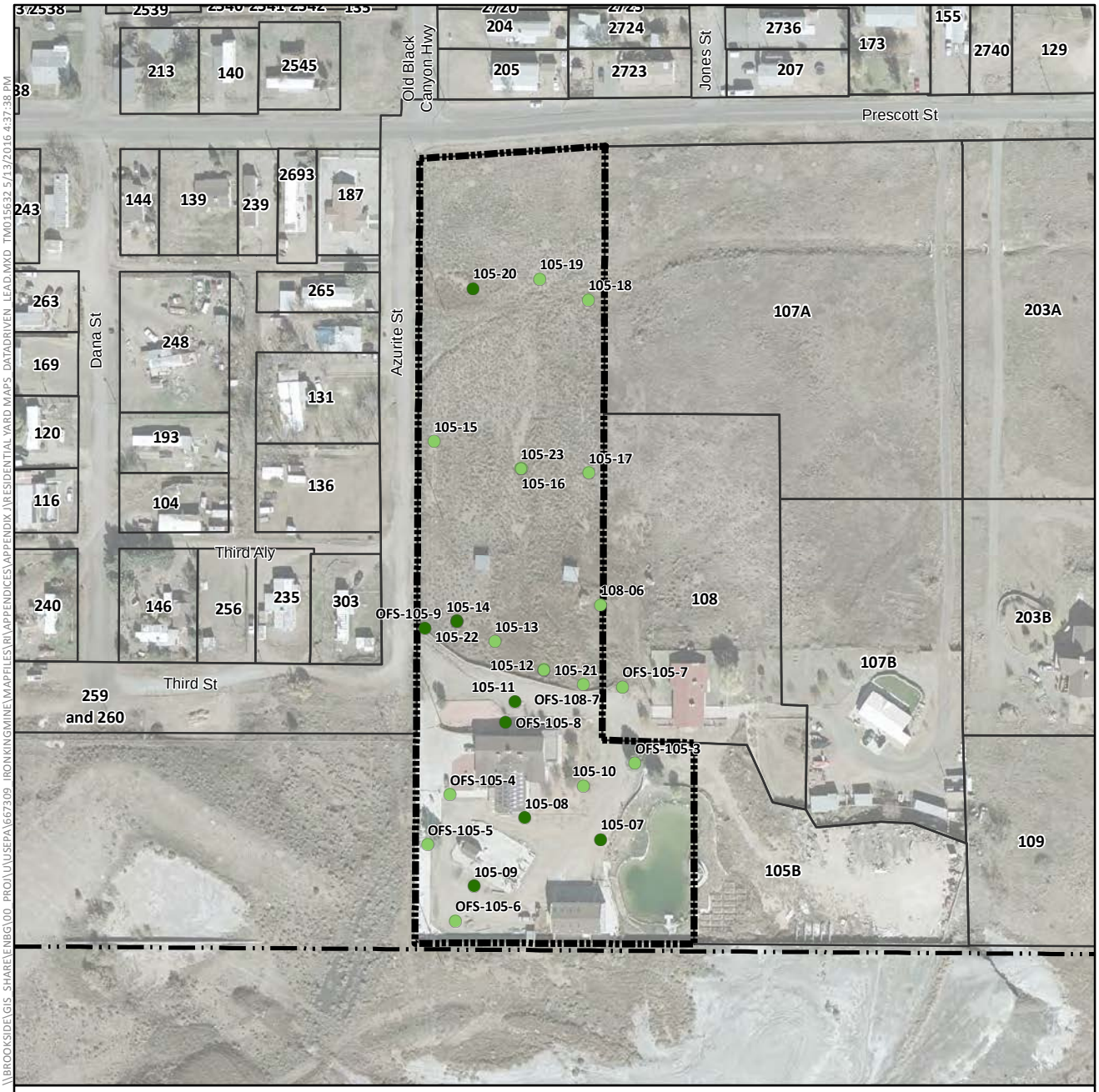


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 104 (Page 4 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

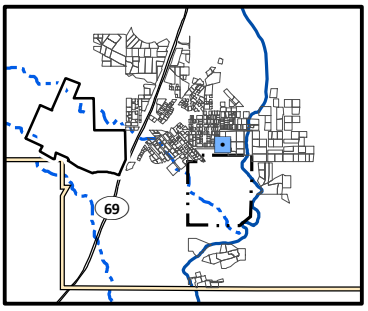


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

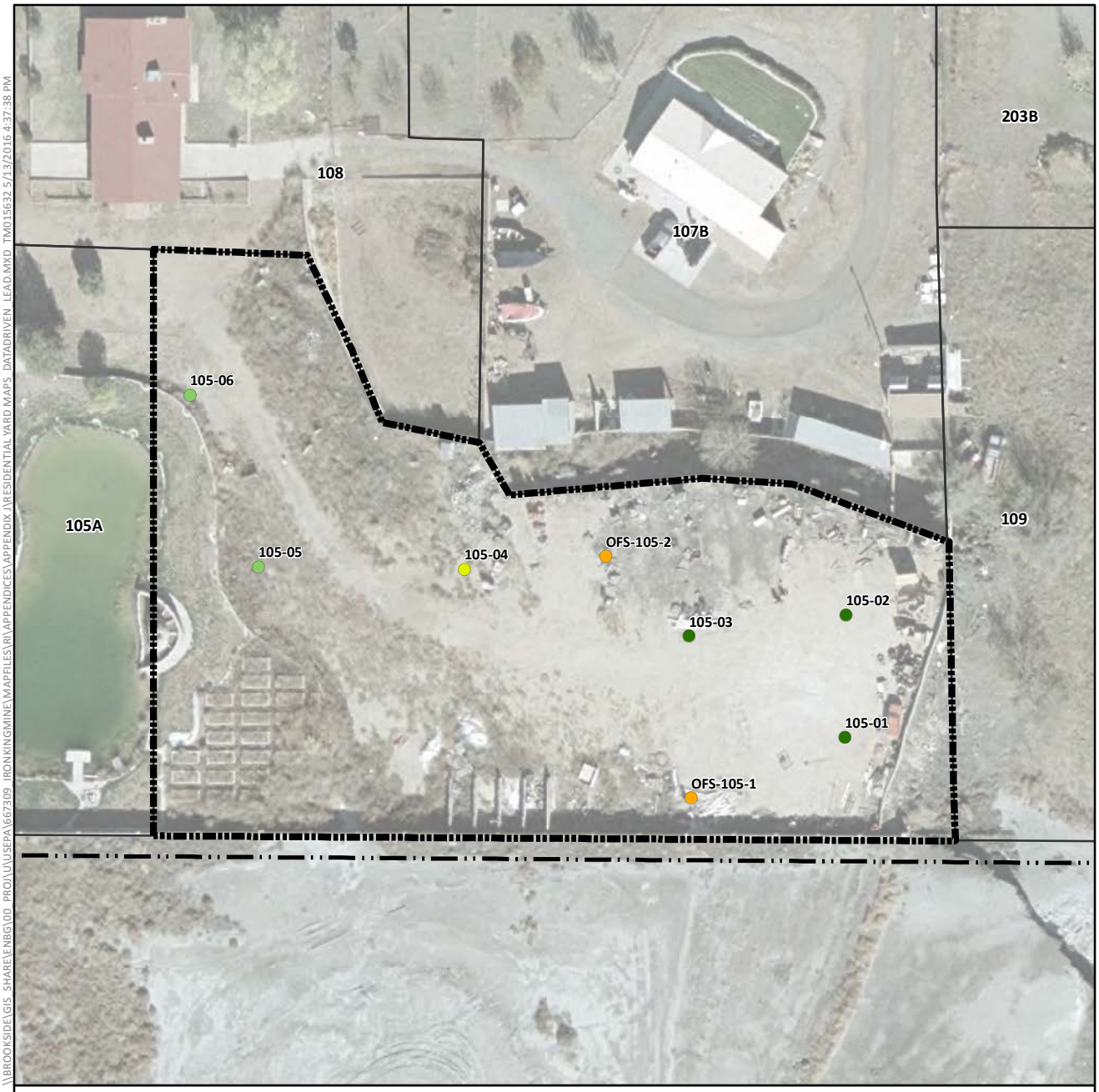
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 325
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 105A (Page 5 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



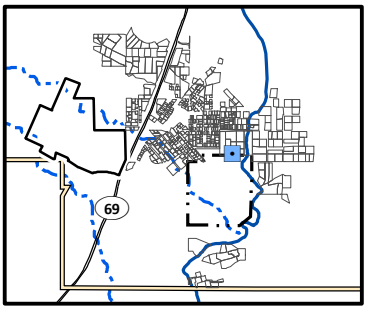
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

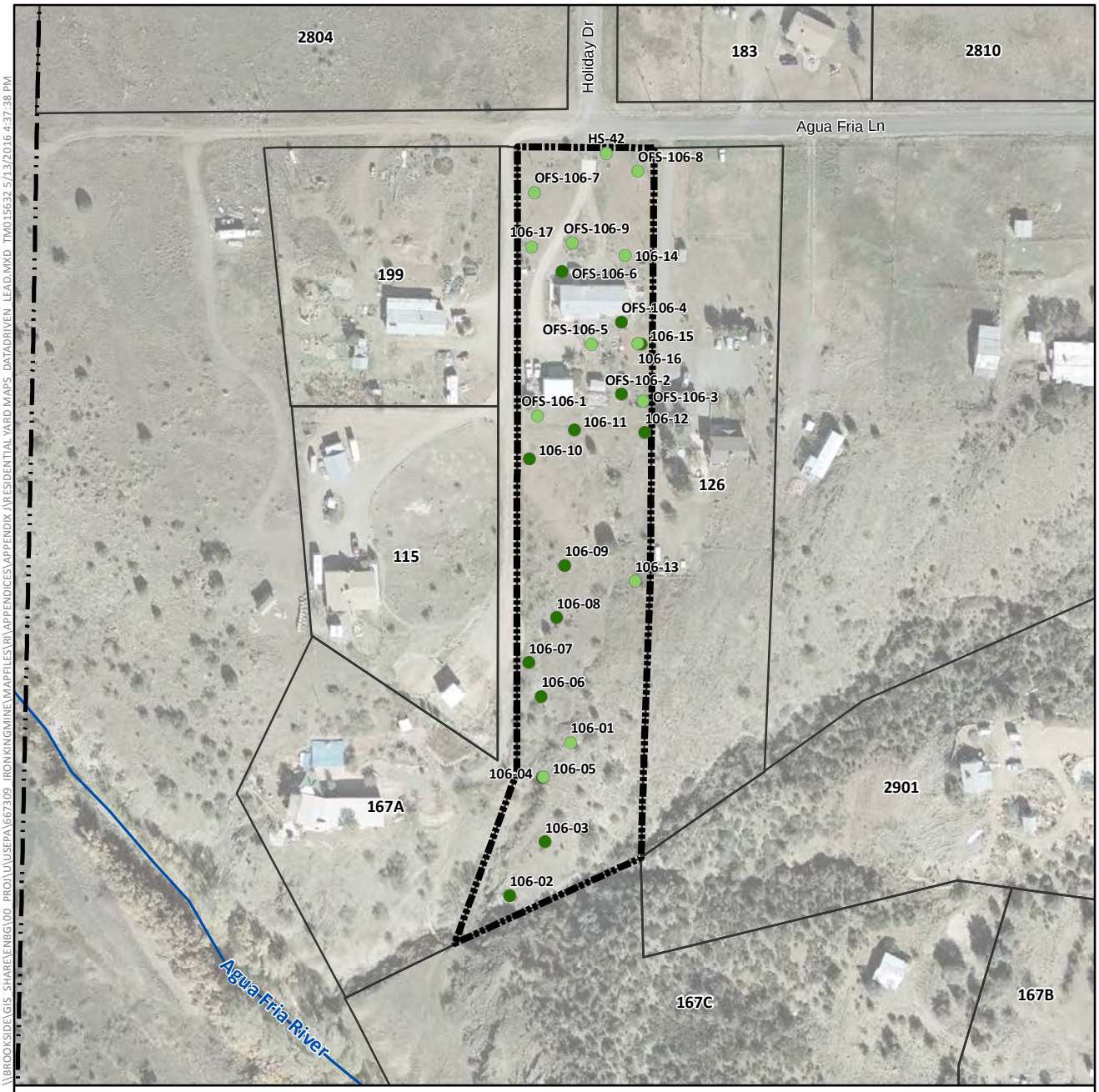
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 105B (Page 6 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



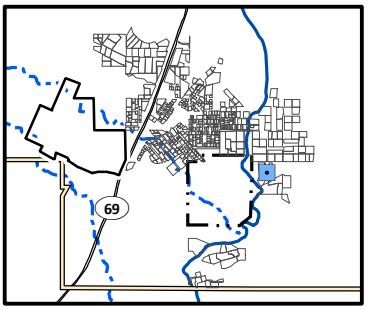
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

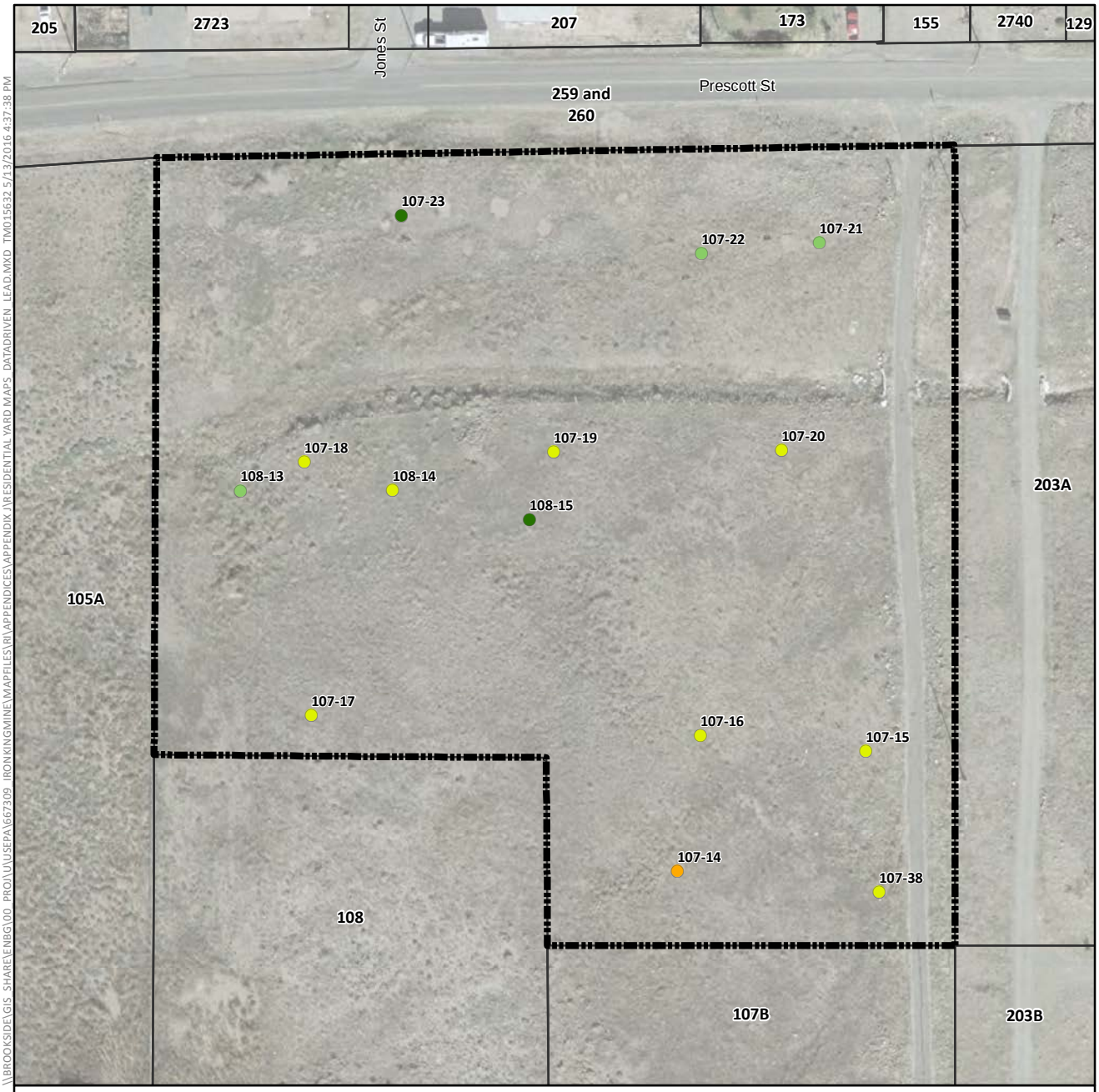
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 300
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 106 (Page 7 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



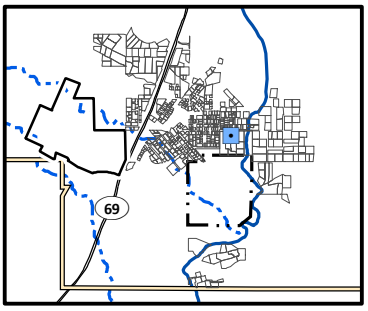
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

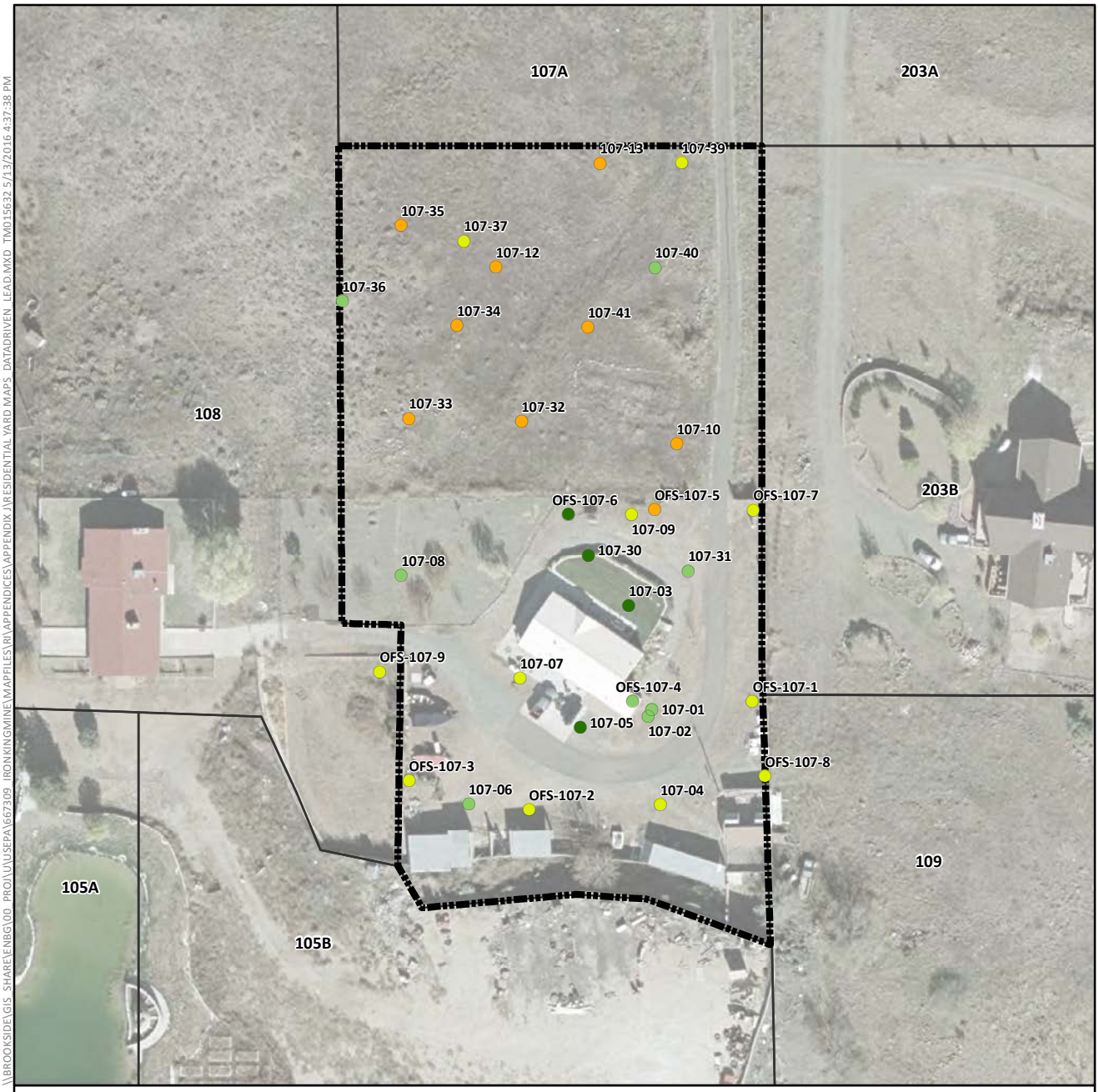
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 107A (Page 8 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



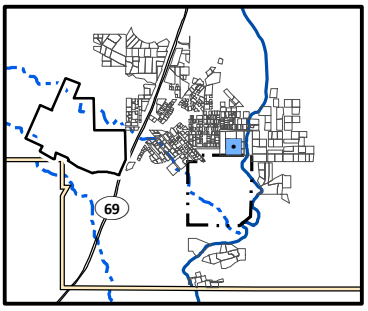
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

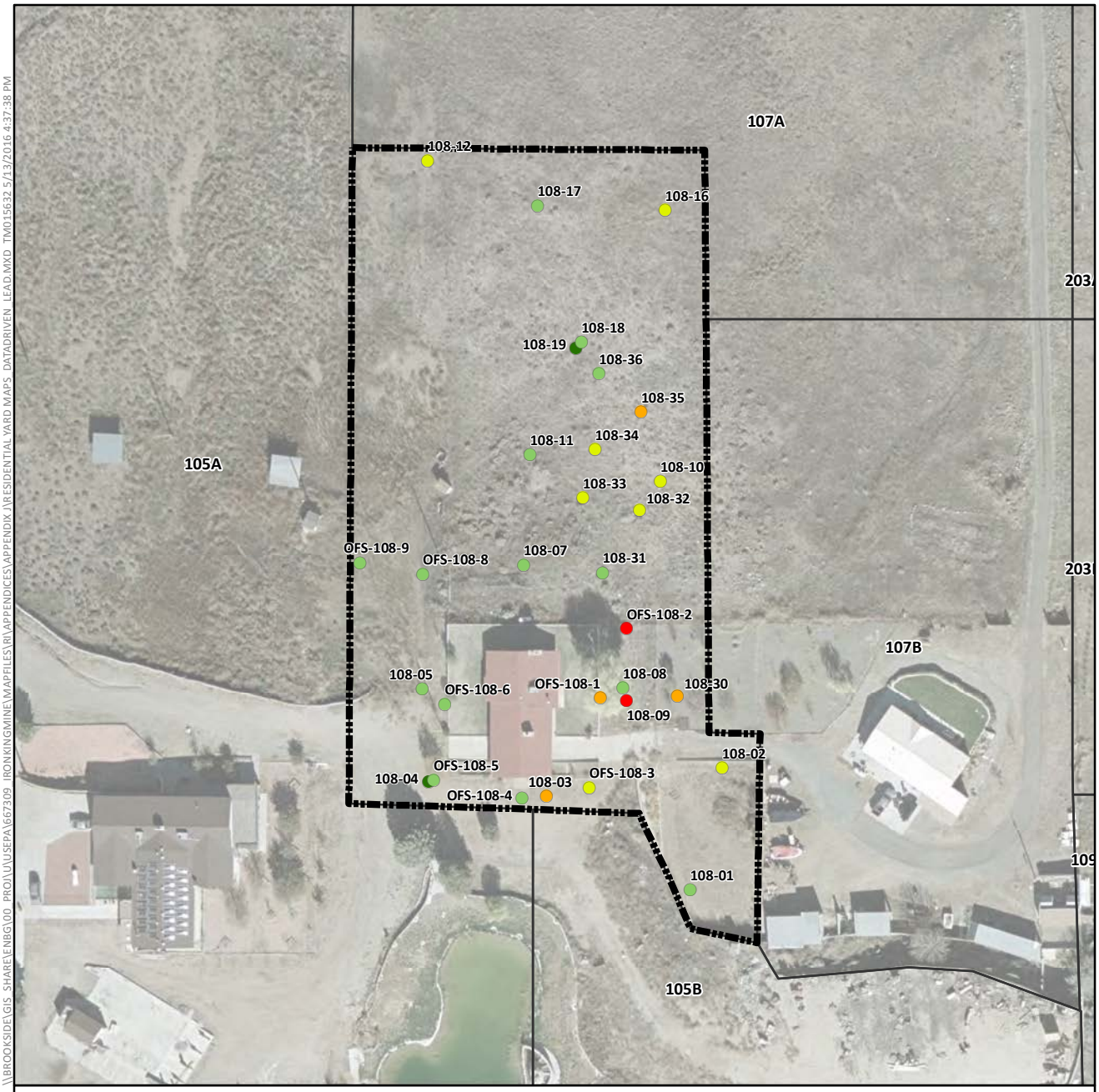


0 140
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 107B (Page 9 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



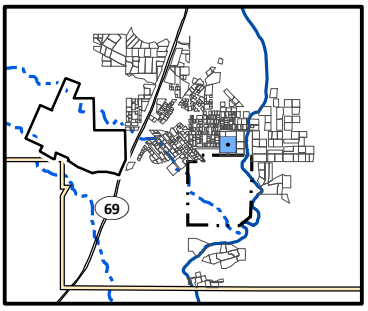
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

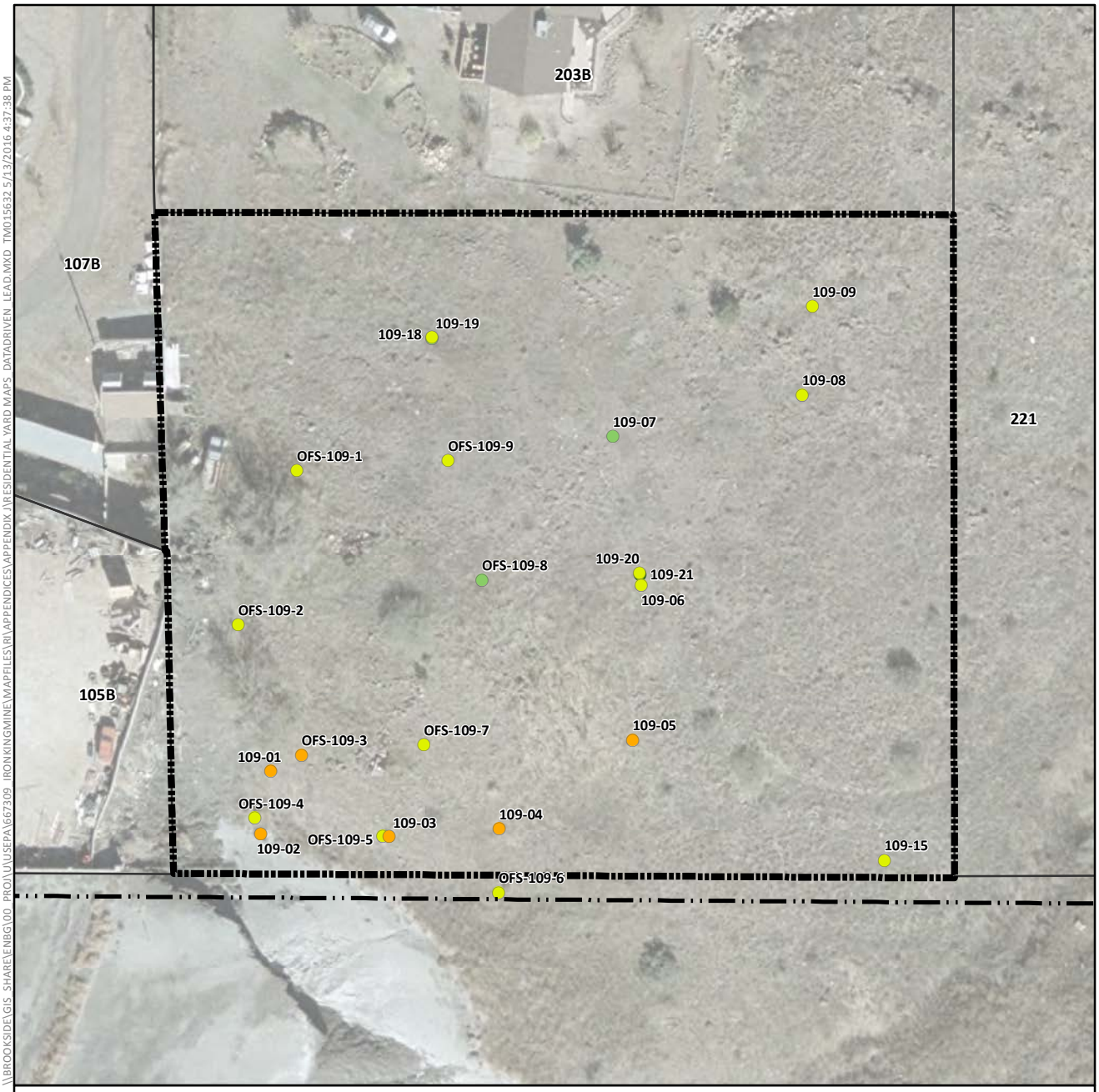


0 160
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 108 (Page 10 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



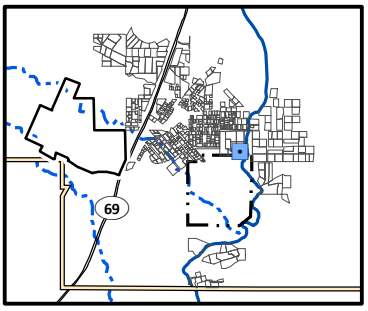
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 109 (Page 11 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



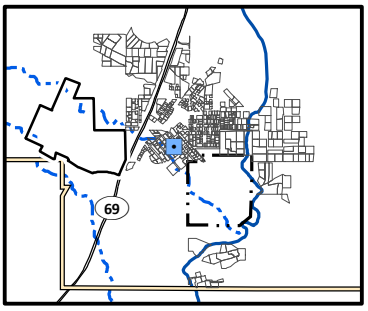
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 110 (Page 12 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



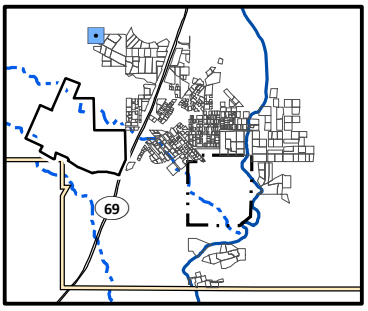
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1101A (Page 13 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



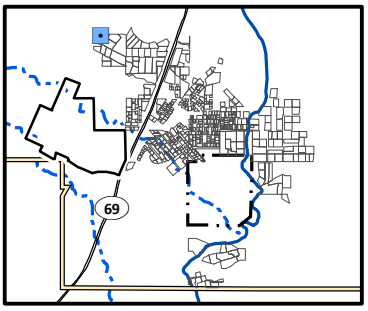
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

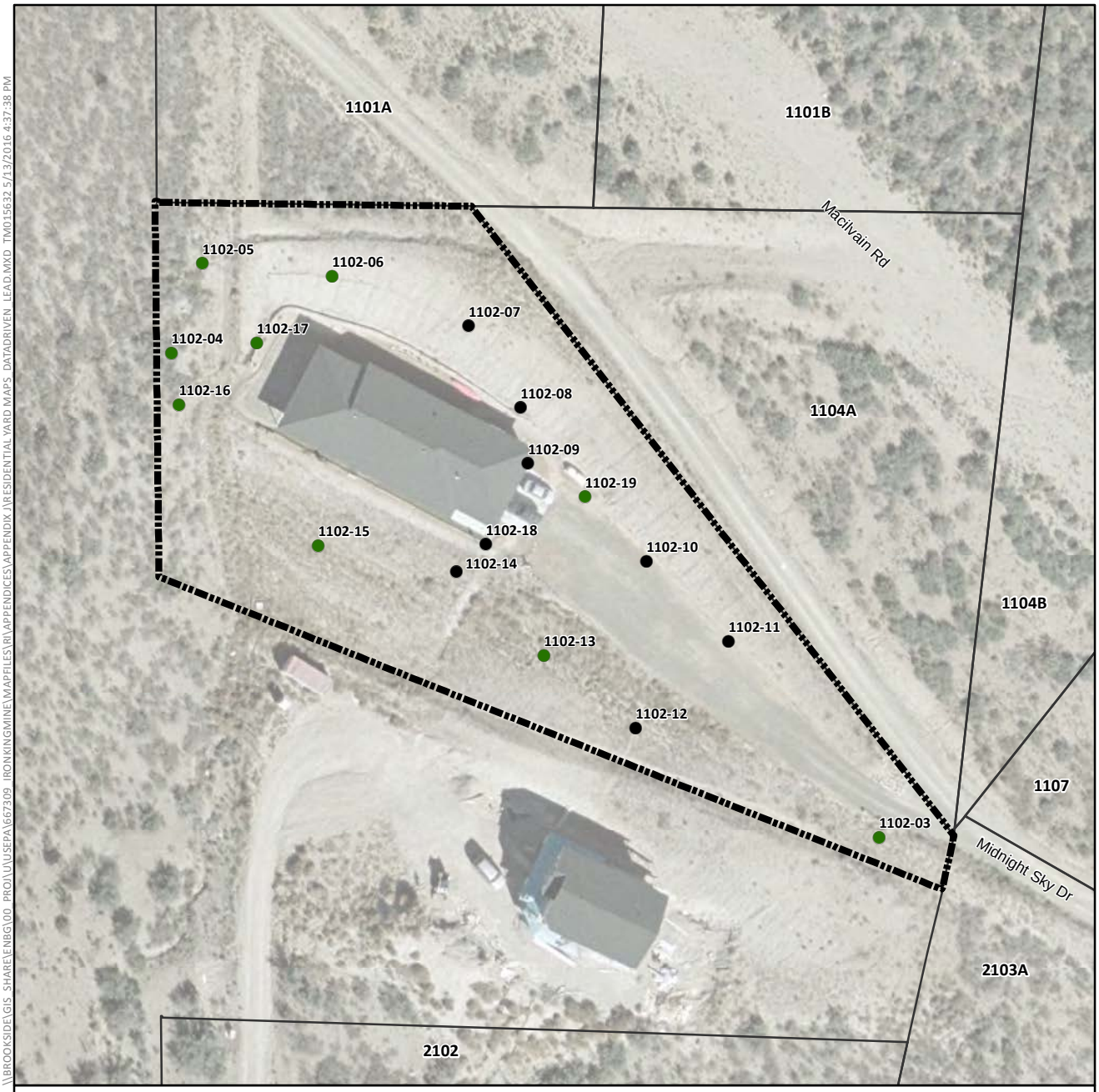


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1101B (Page 14 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



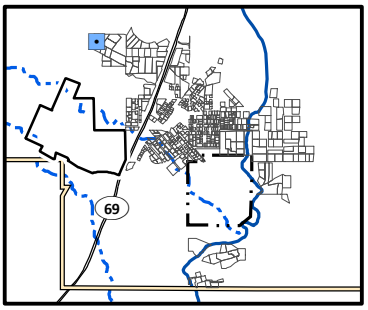
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

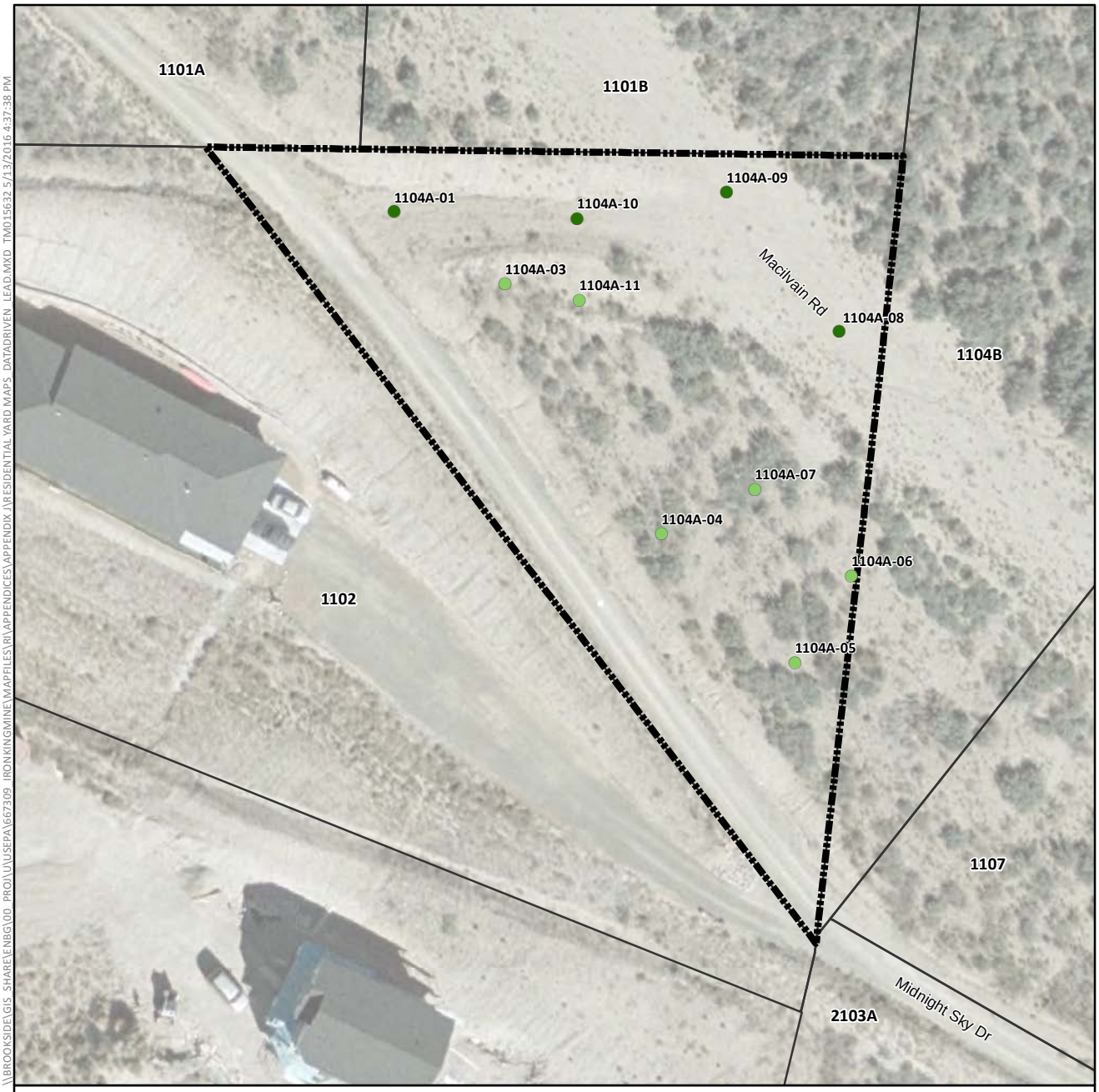
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1102 (Page 15 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



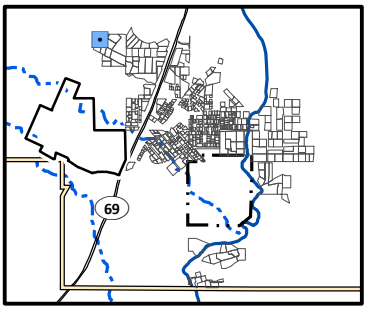
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

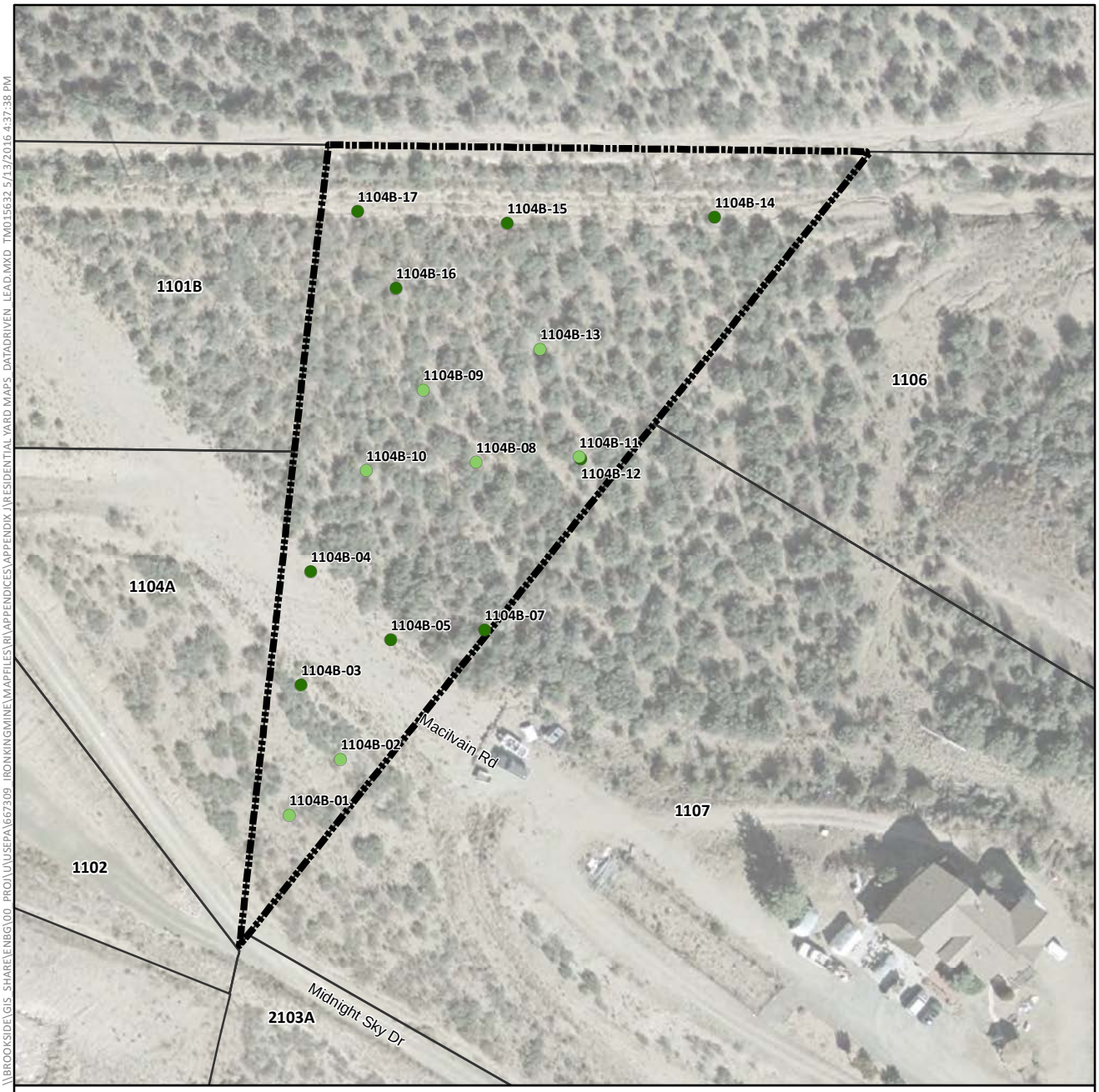


0 80
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1104A (Page 16 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



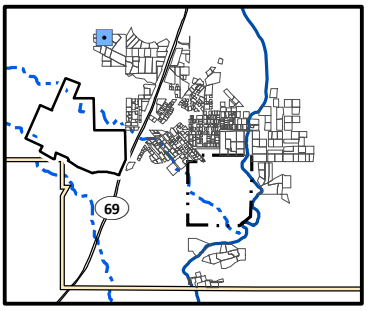
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

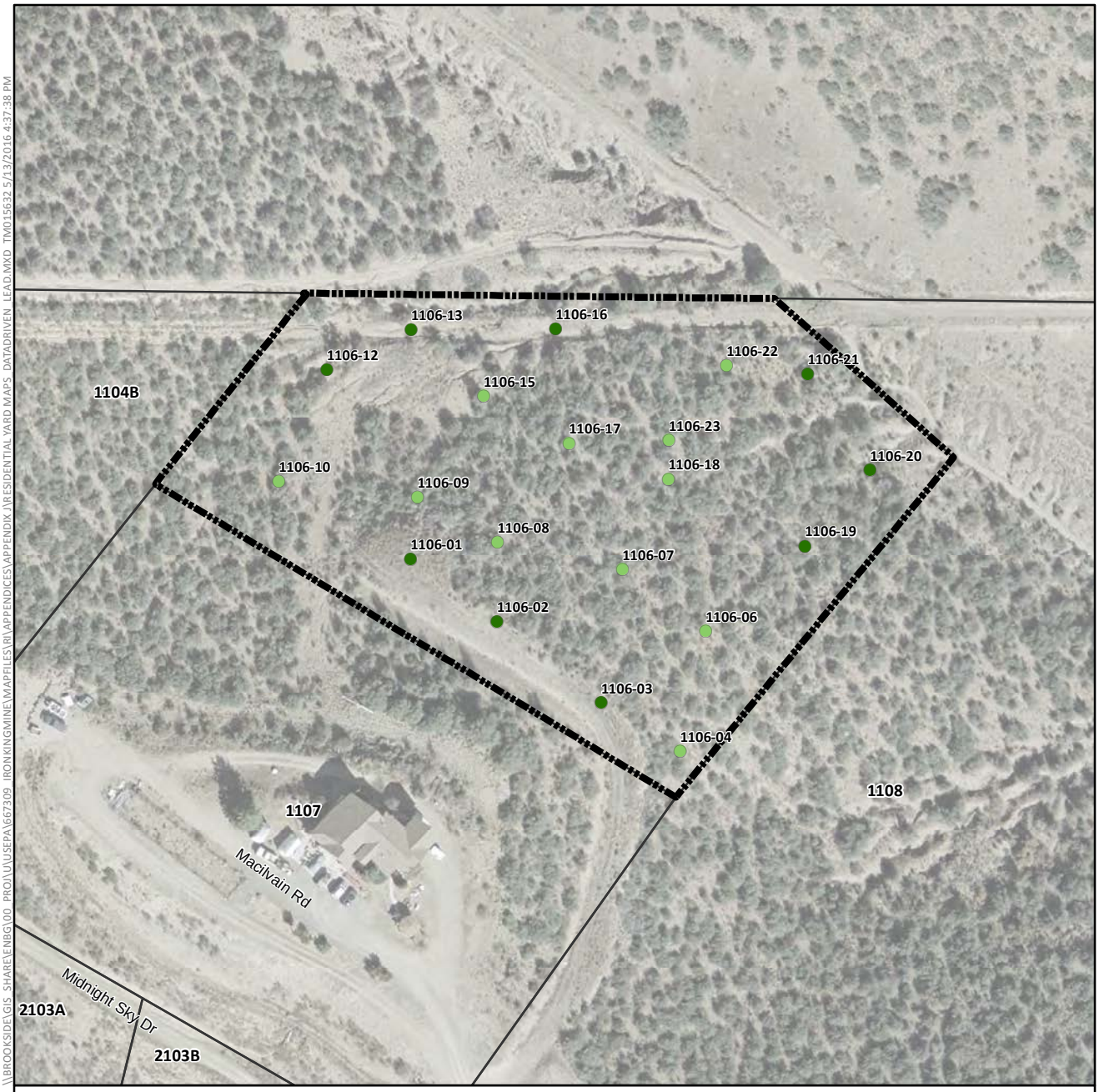


0 130
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1104B (Page 17 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



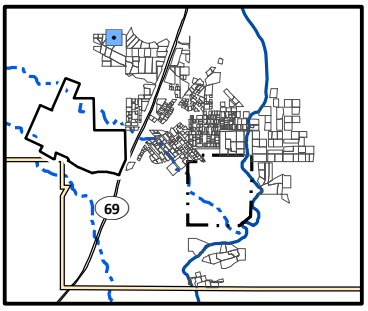
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

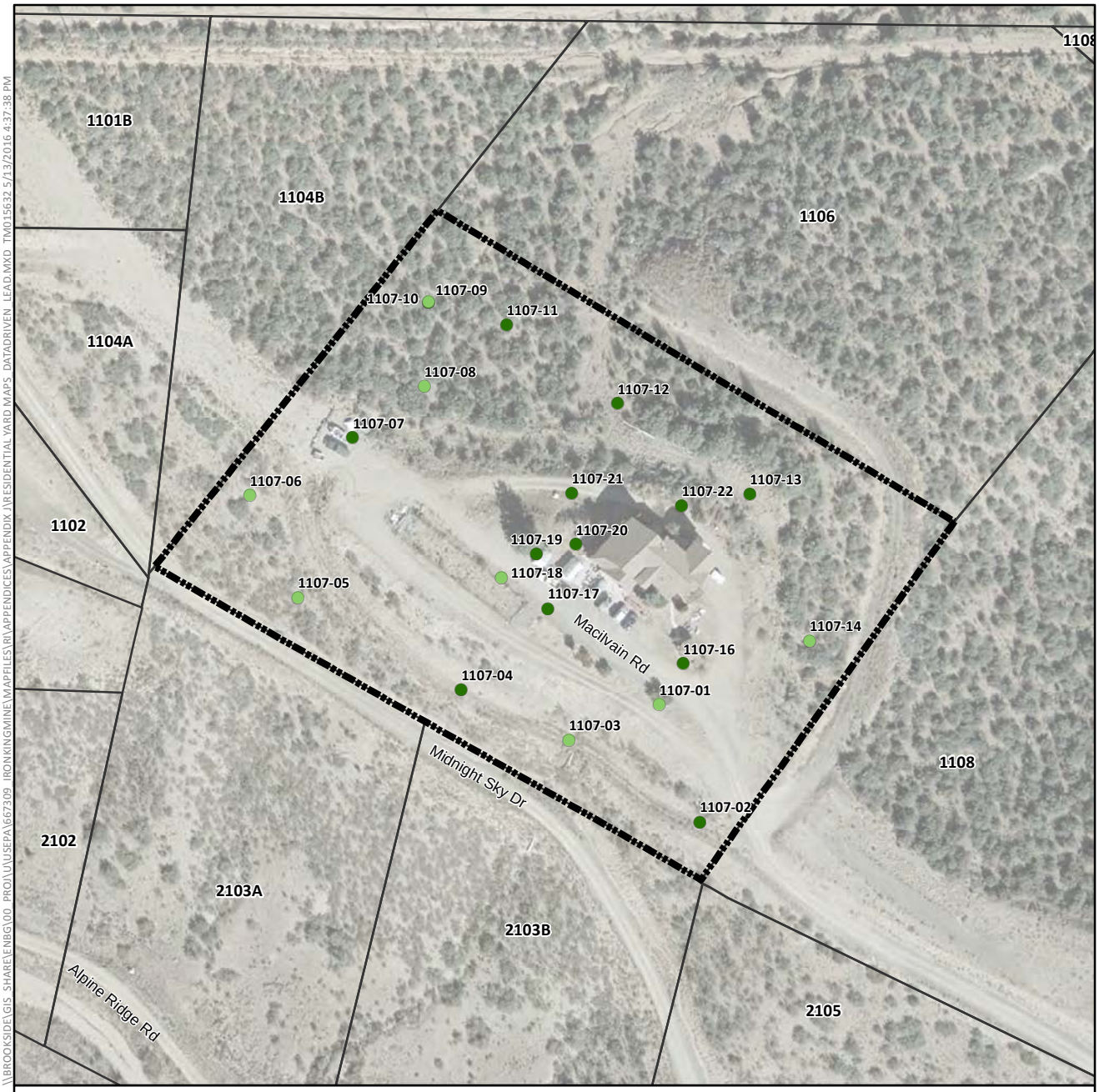


0 190
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1106 (Page 18 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



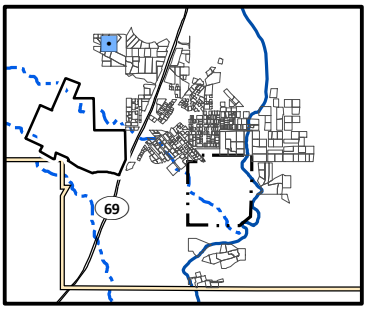
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 190
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1107 (Page 19 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



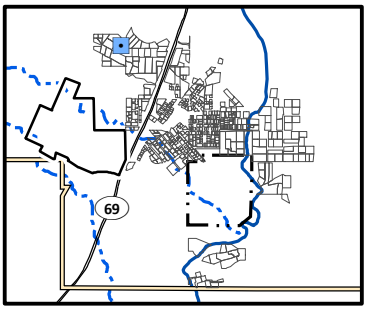
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 300
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1108 (Page 20 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



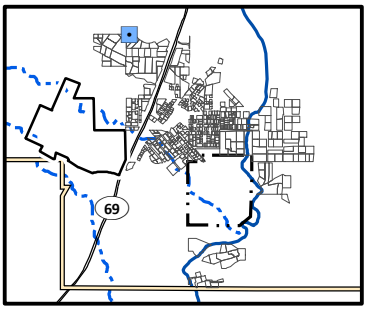
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

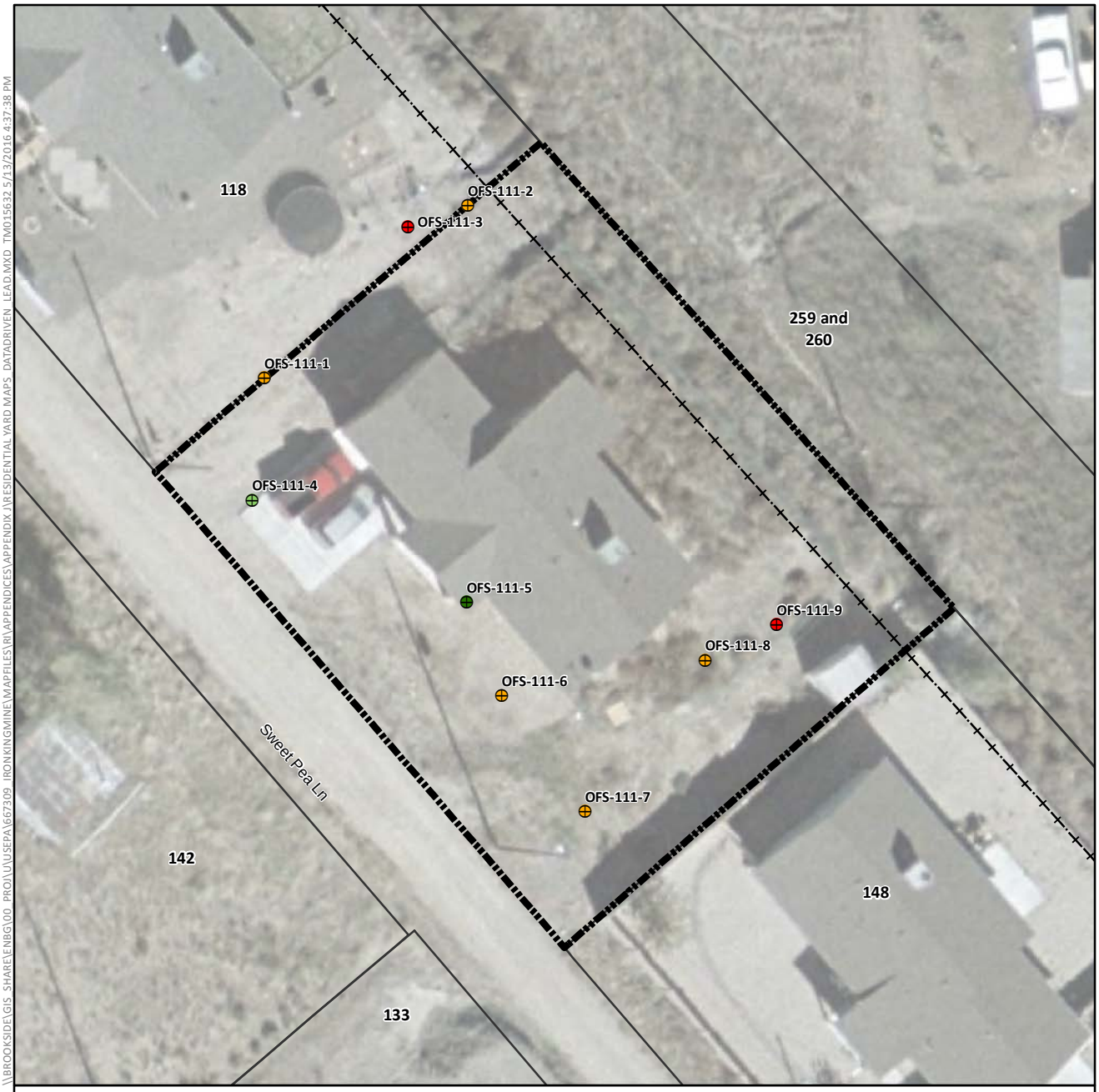
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1109 (Page 21 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



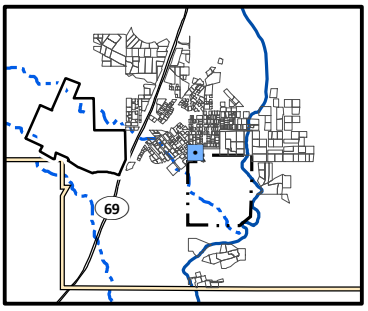
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 111 (Page 22 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



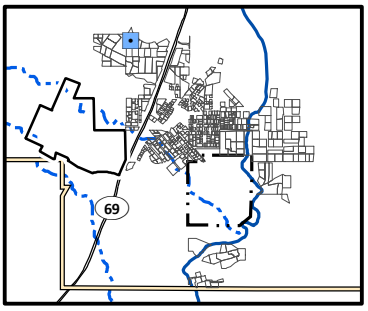
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

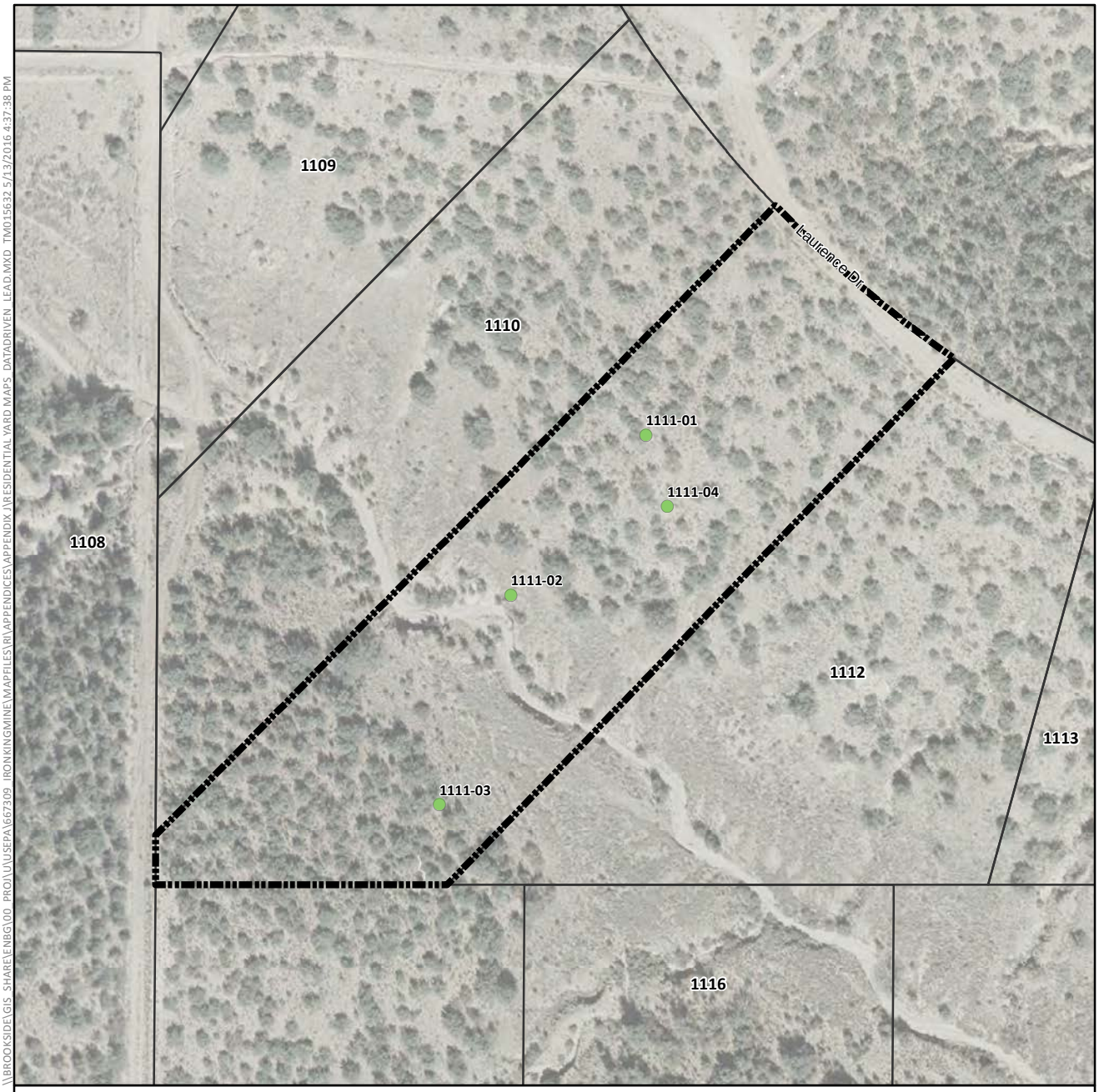
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 180
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1110 (Page 23 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



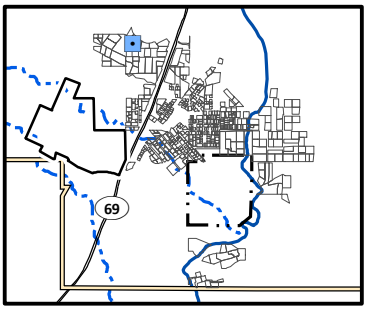
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 180
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1111 (Page 24 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



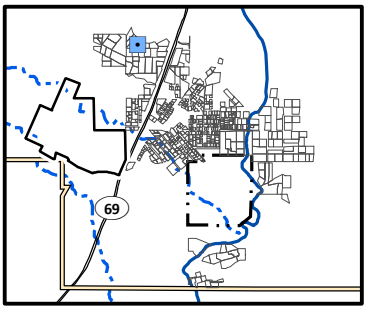
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1112 (Page 25 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



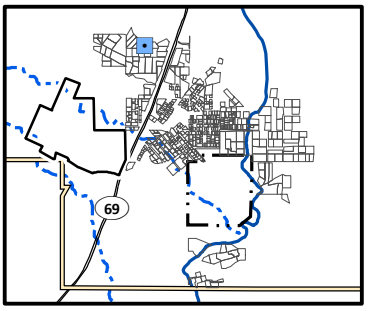
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1113 (Page 26 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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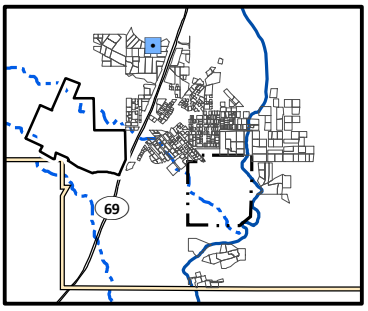


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 125
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1114 (Page 27 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



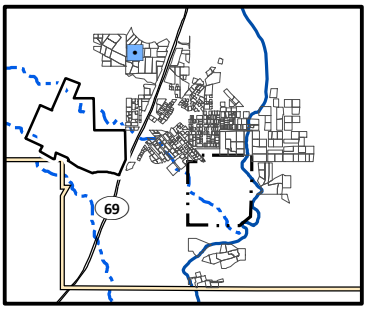
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

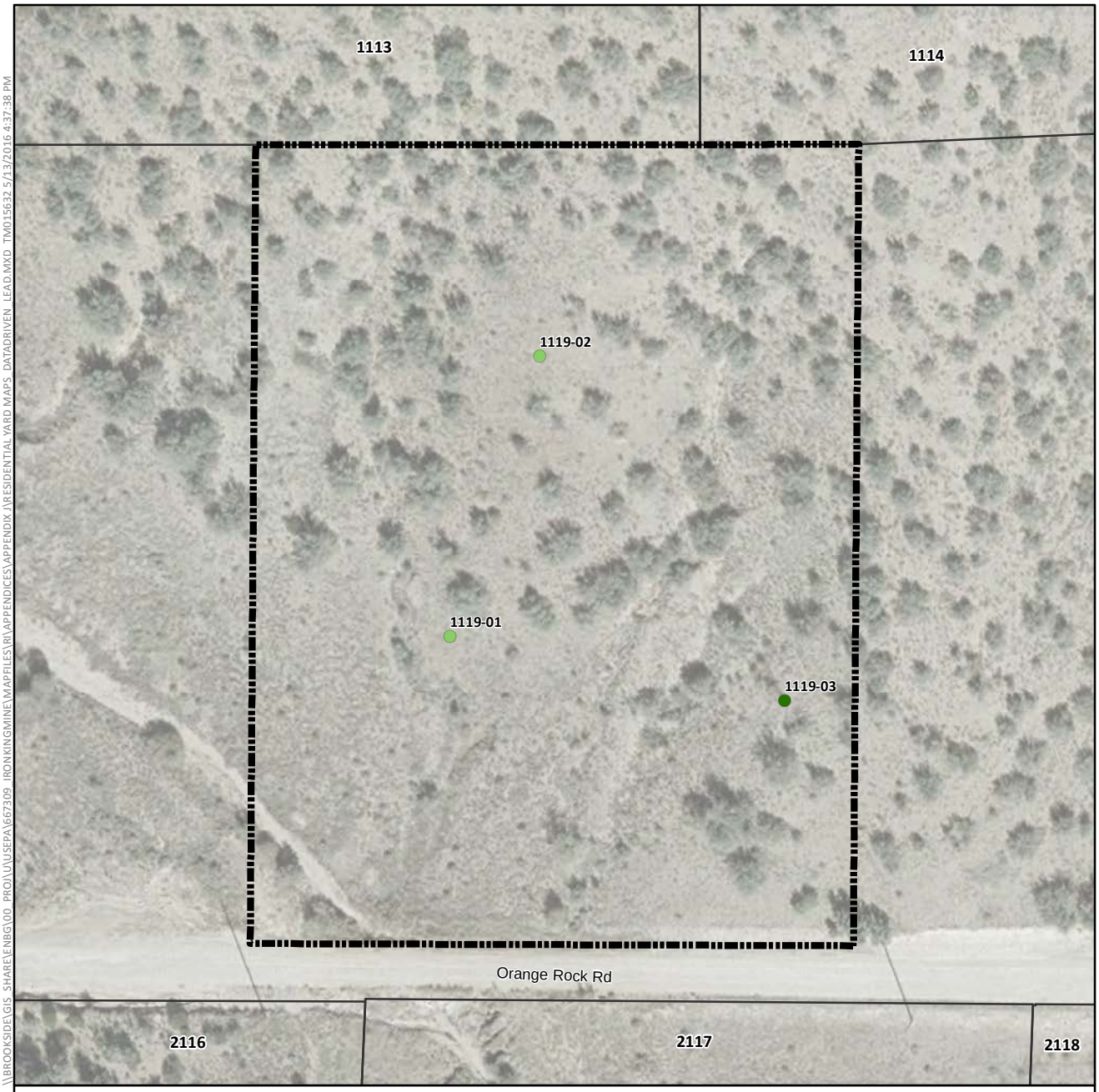
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1116 (Page 28 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



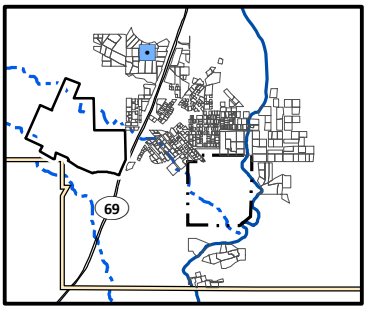
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

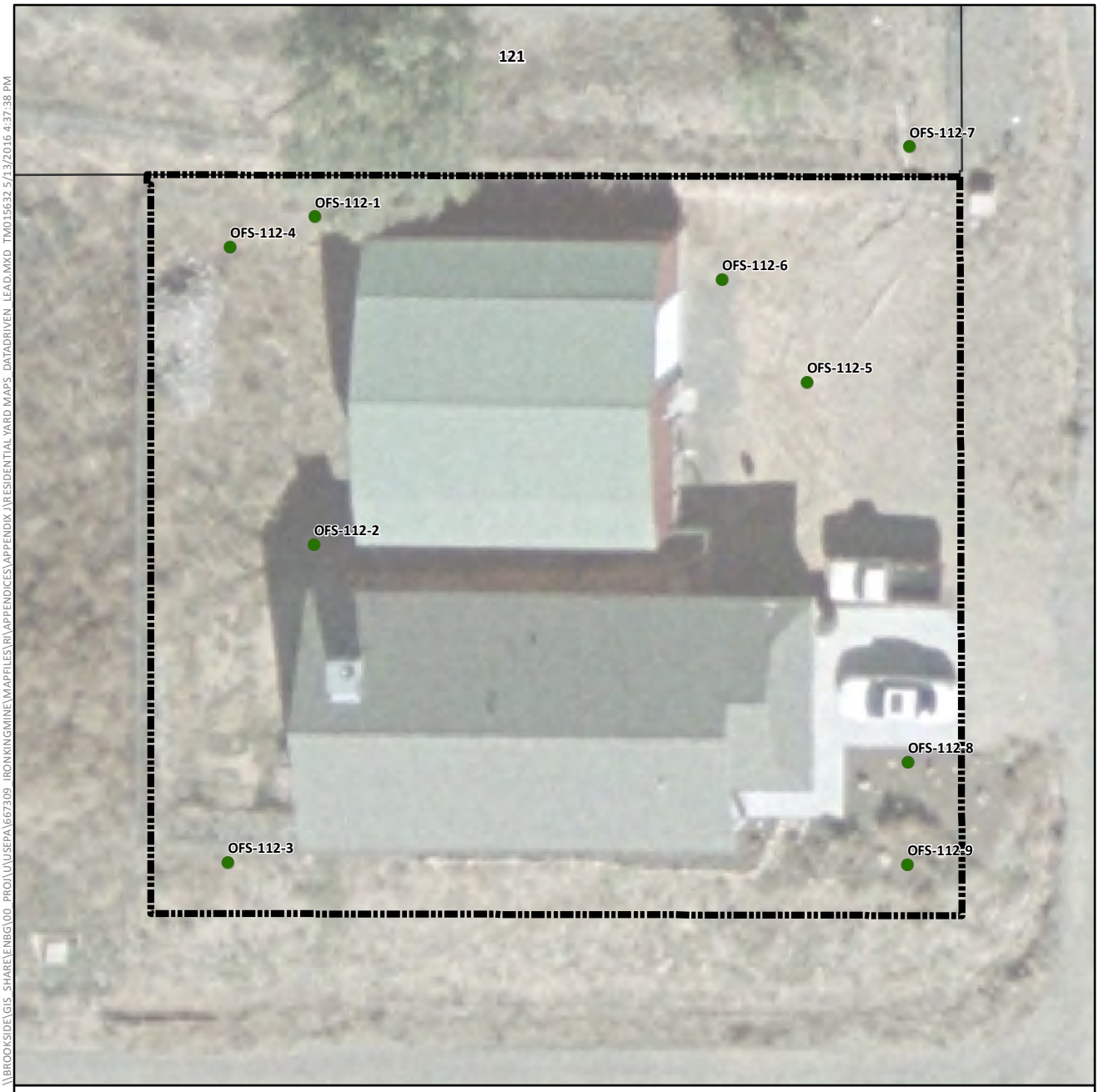


0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1119 (Page 29 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



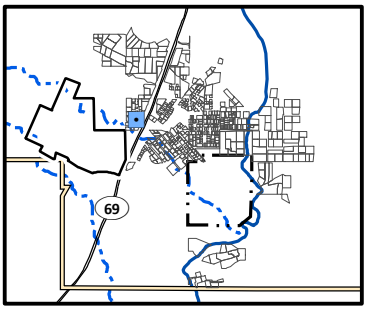
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 112 (Page 30 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

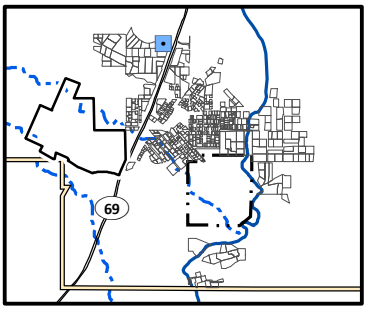


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 170
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1121 (Page 31 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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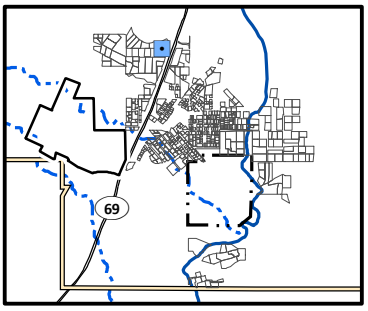


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1122 (Page 32 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



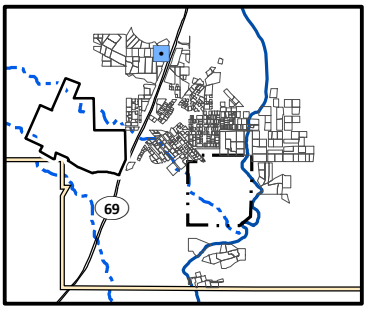
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1123 (Page 33 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



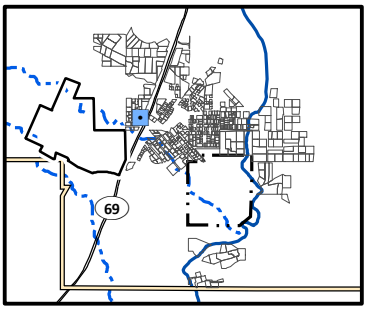
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

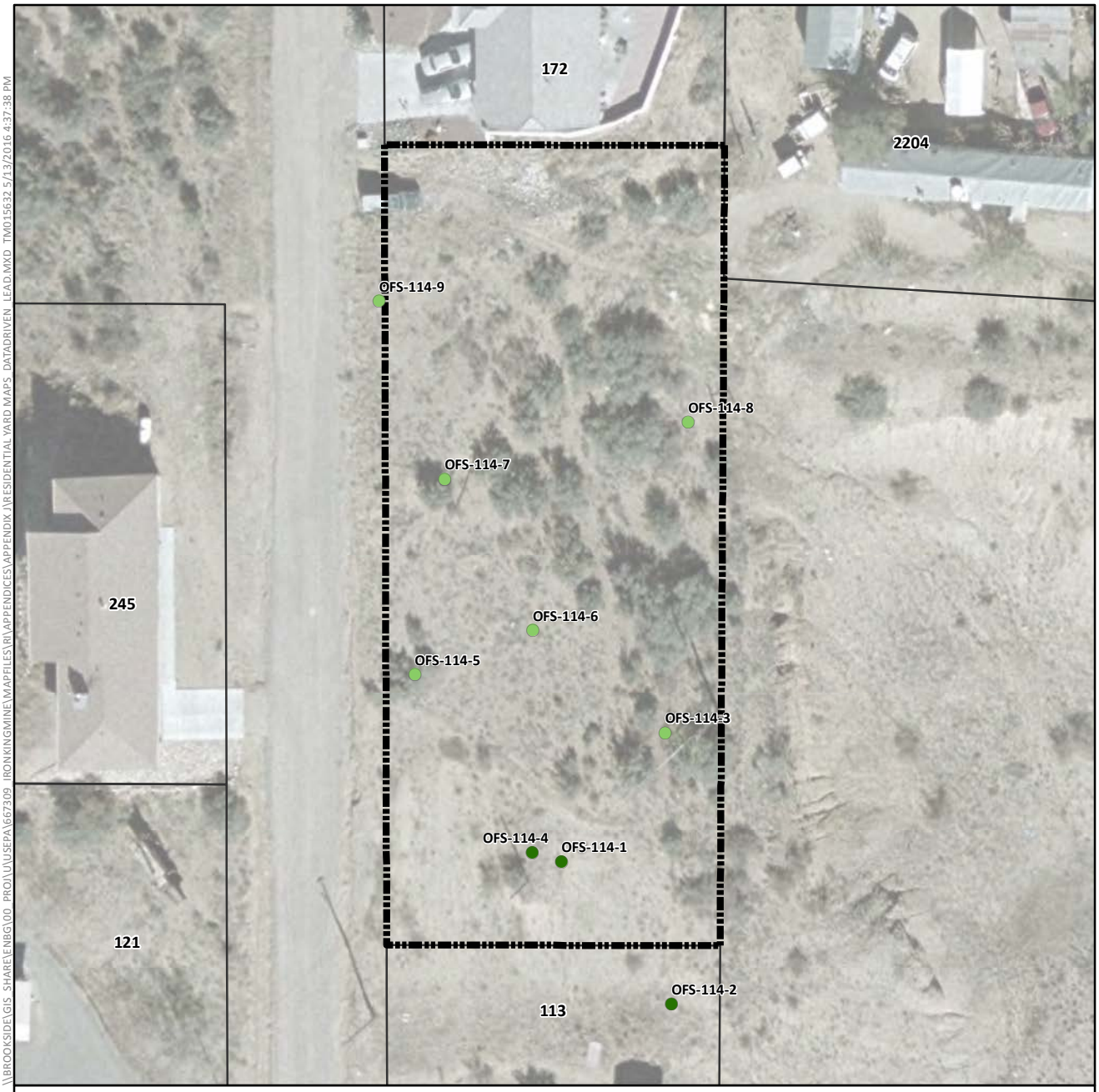


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 113 (Page 34 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



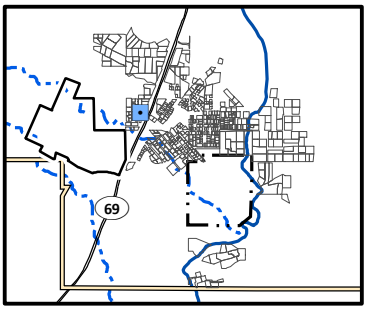
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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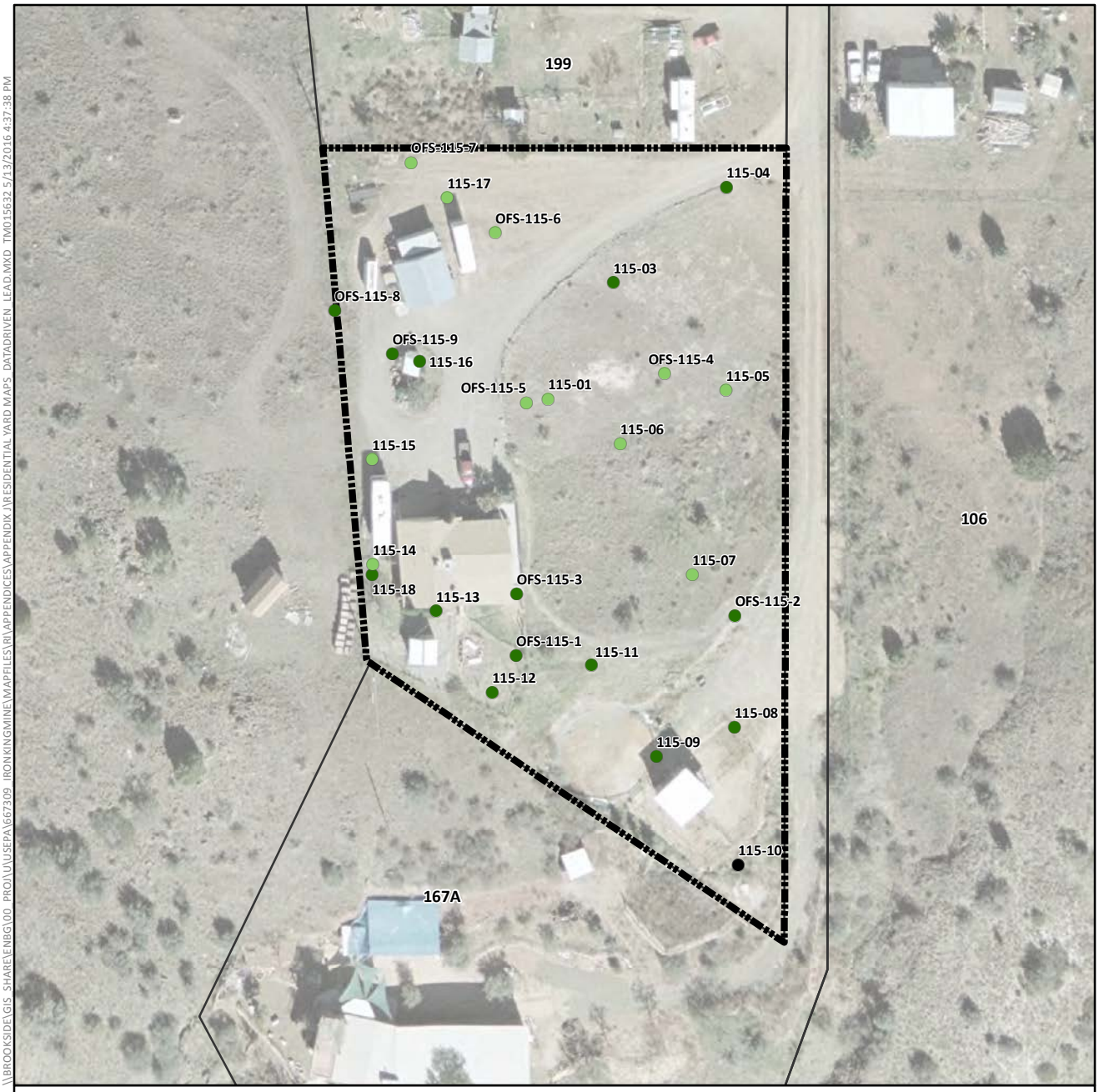


0 80
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 114 (Page 35 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



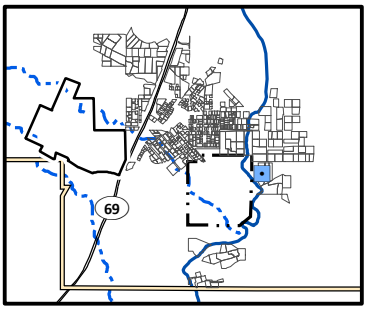
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 130
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 115 (Page 36 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



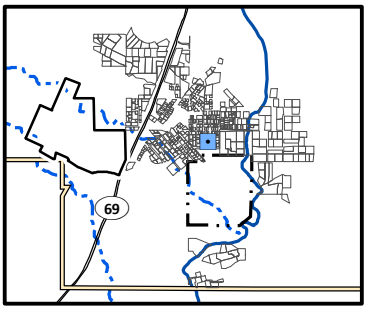
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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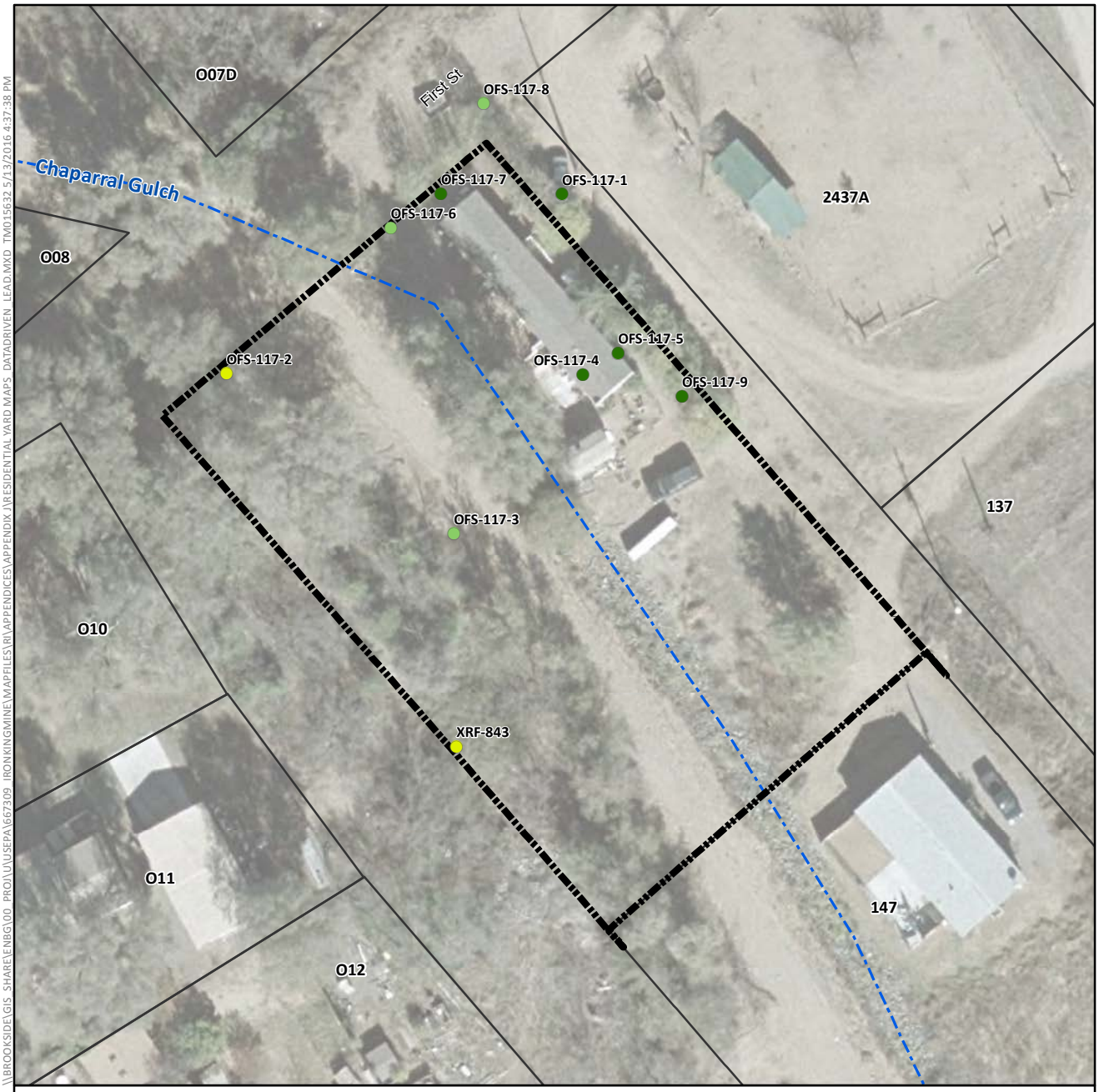


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 116 (Page 37 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



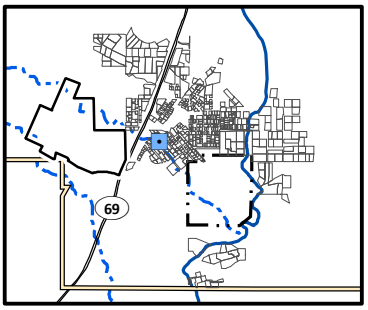
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

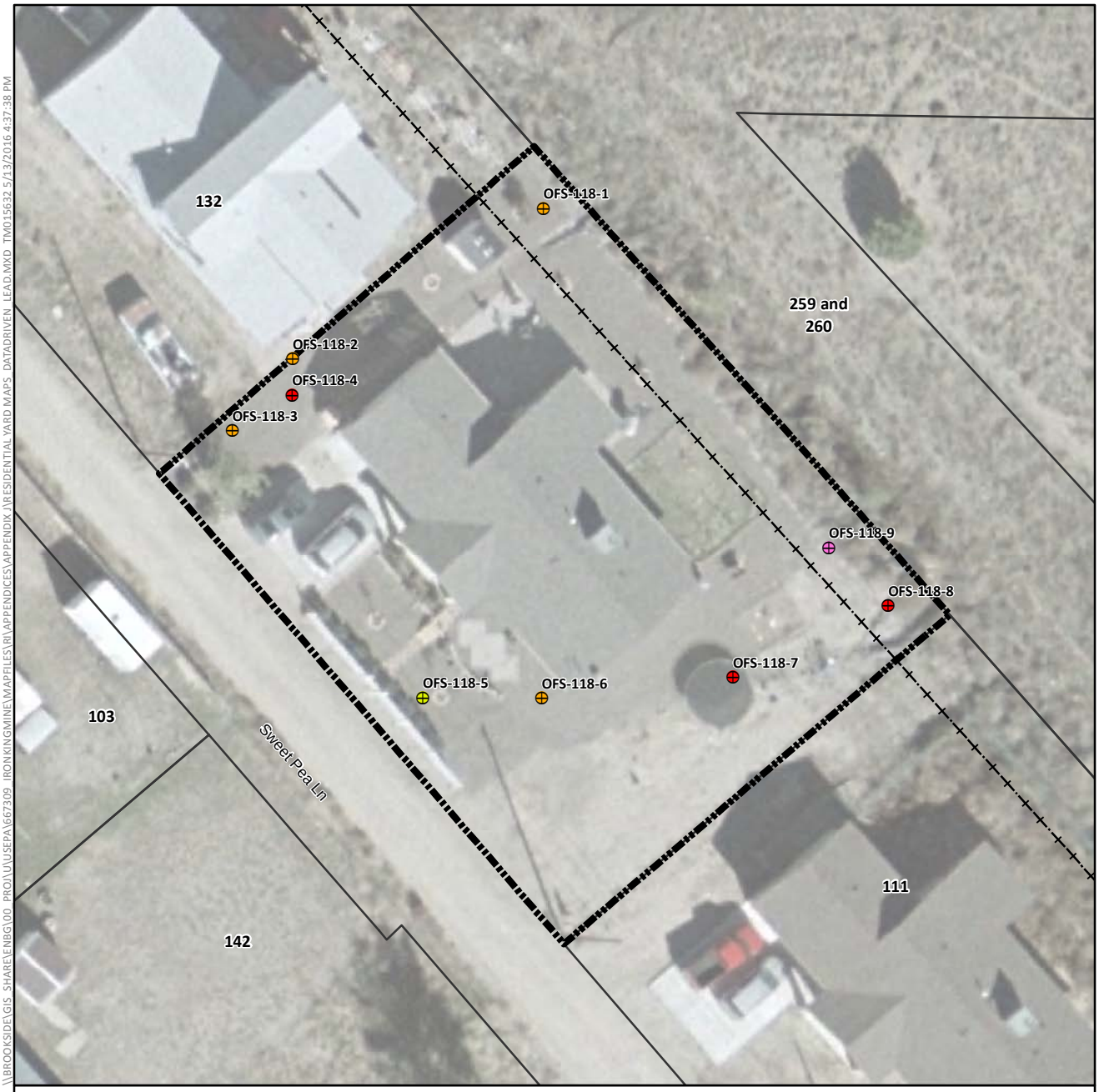
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 117 (Page 38 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



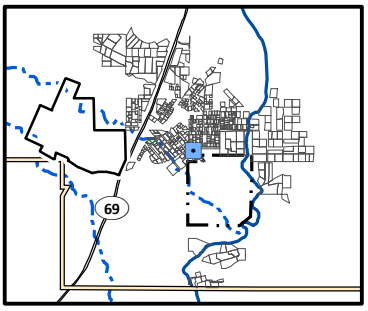
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

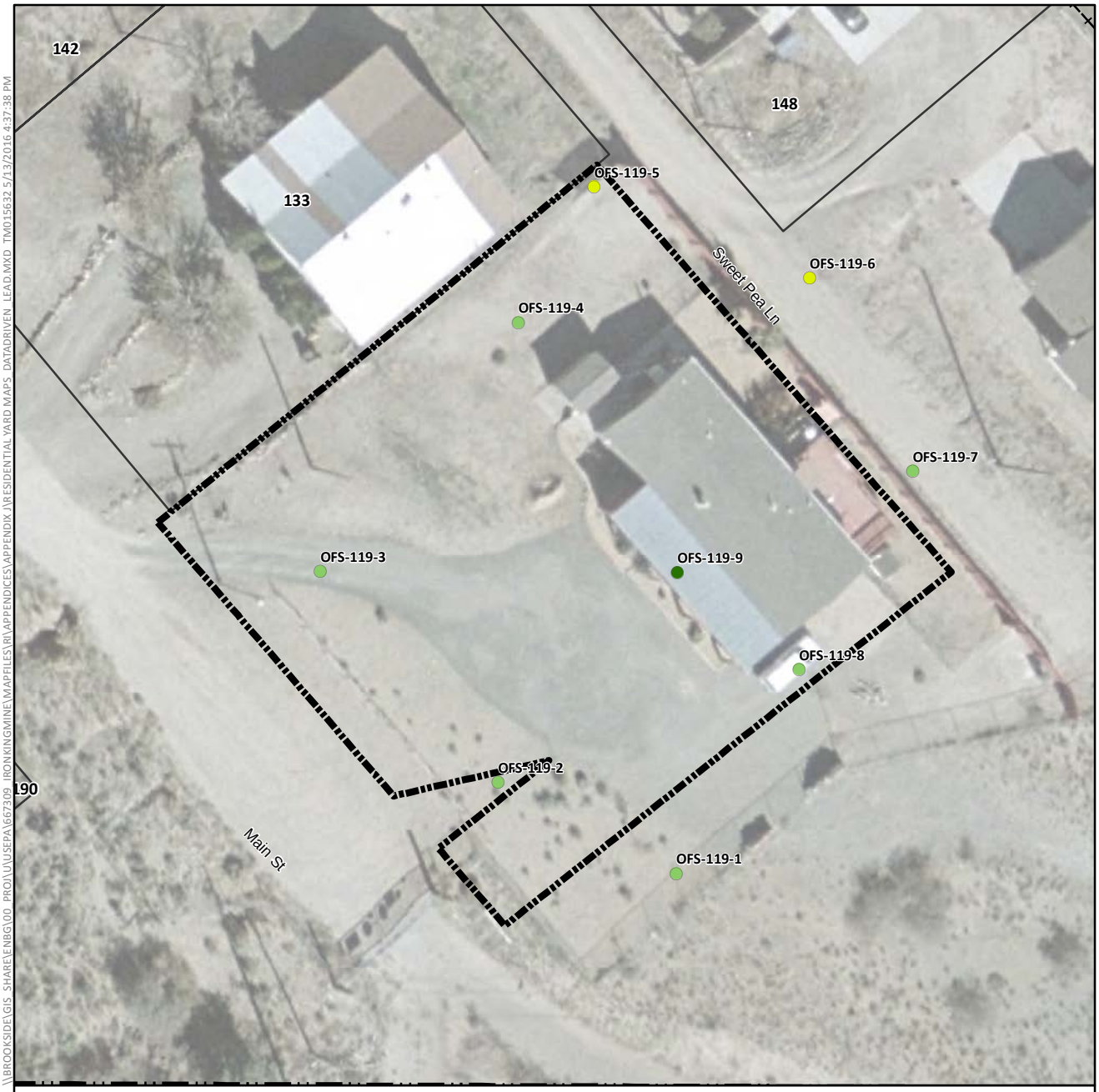


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 118 (Page 39 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



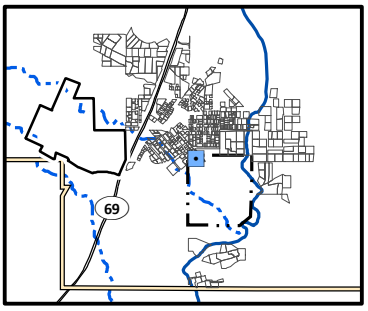
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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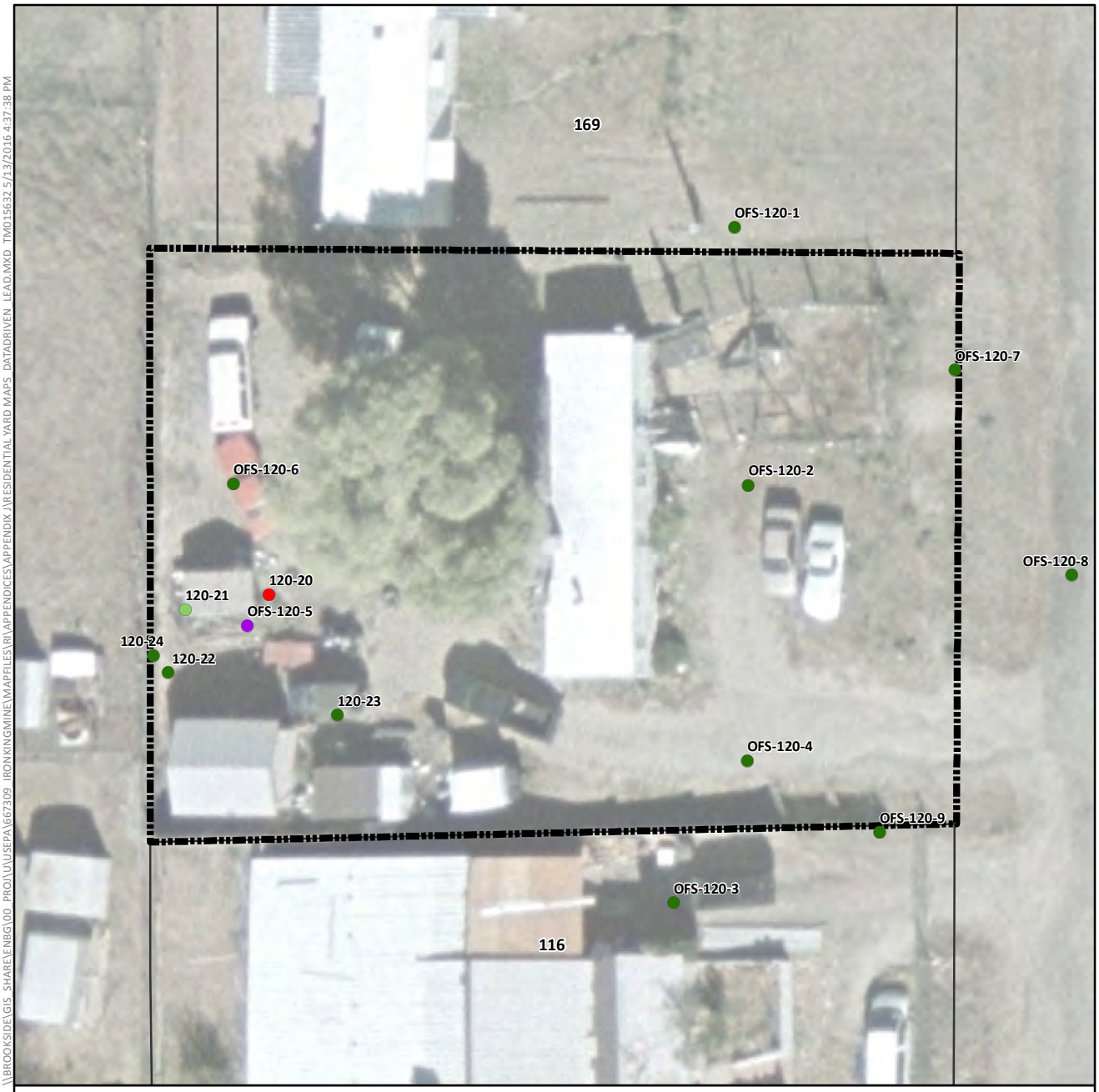


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 119 (Page 40 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



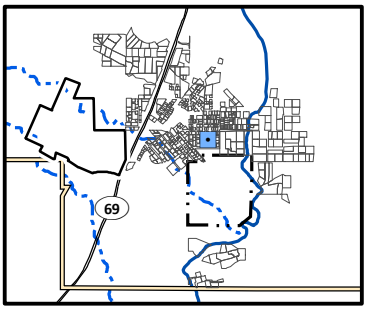
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

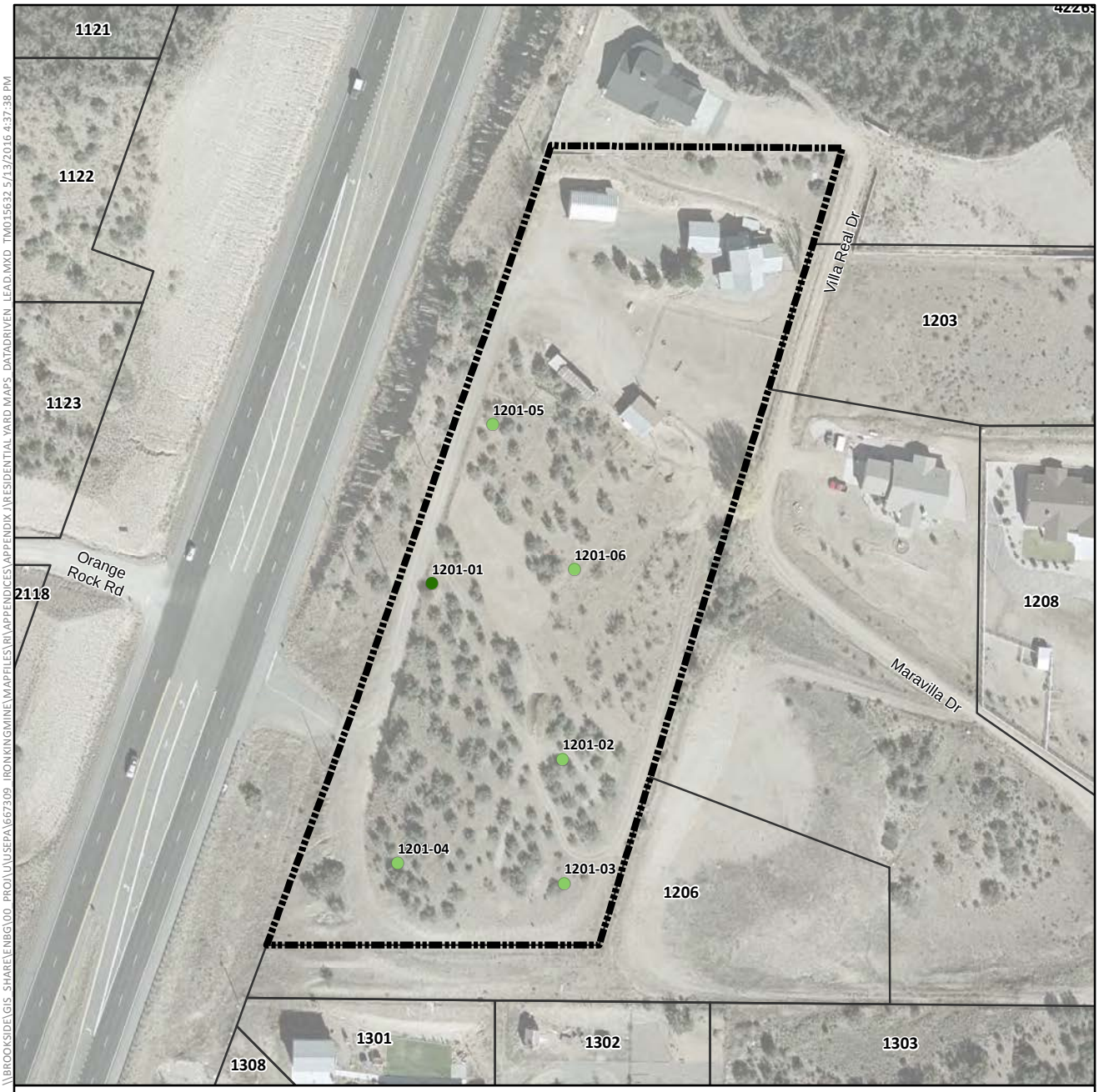


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 120 (Page 41 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



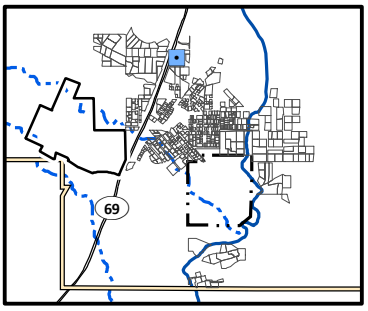
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

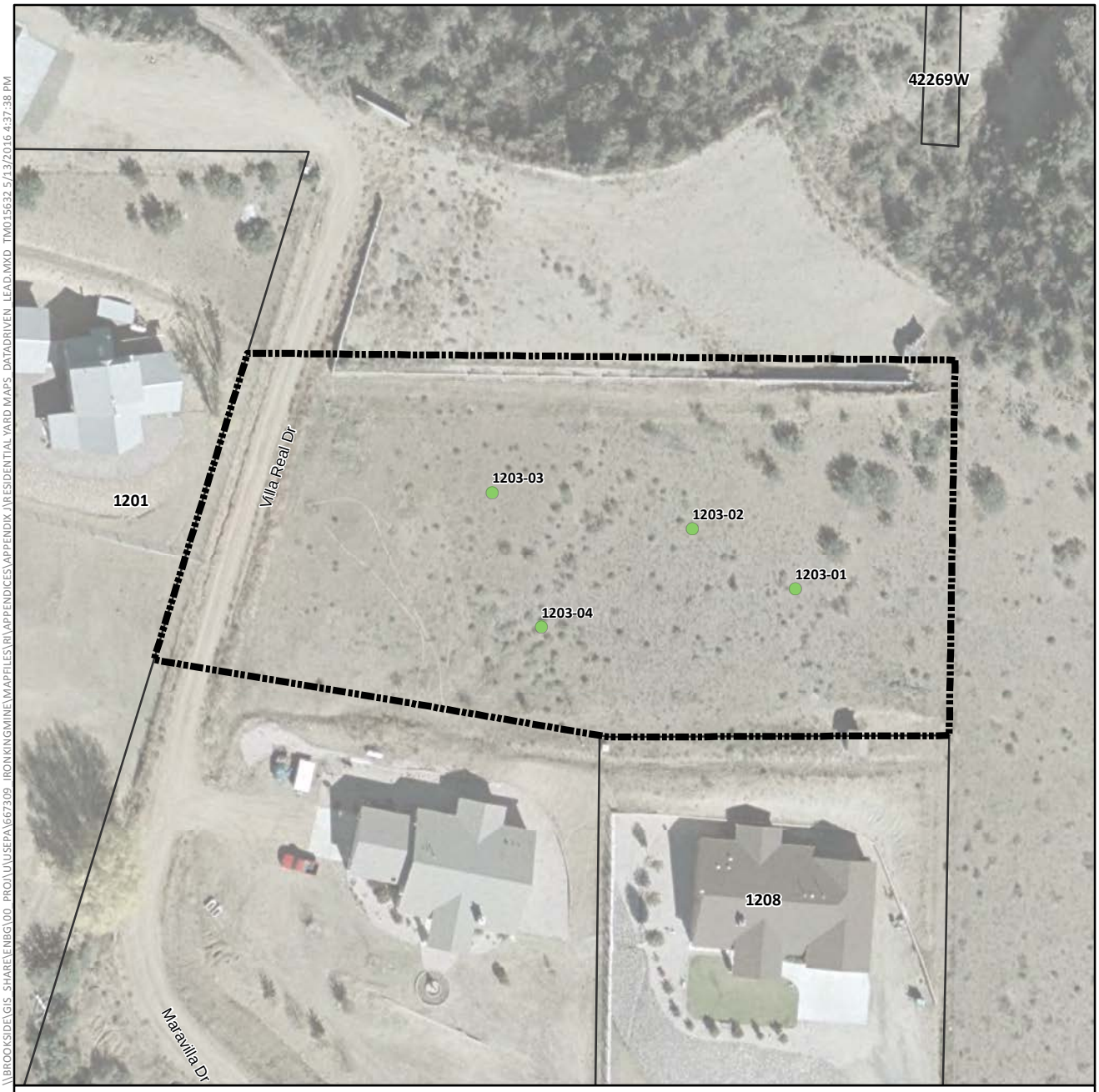
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 240
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1201 (Page 42 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



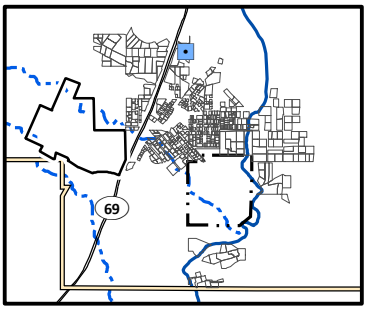
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

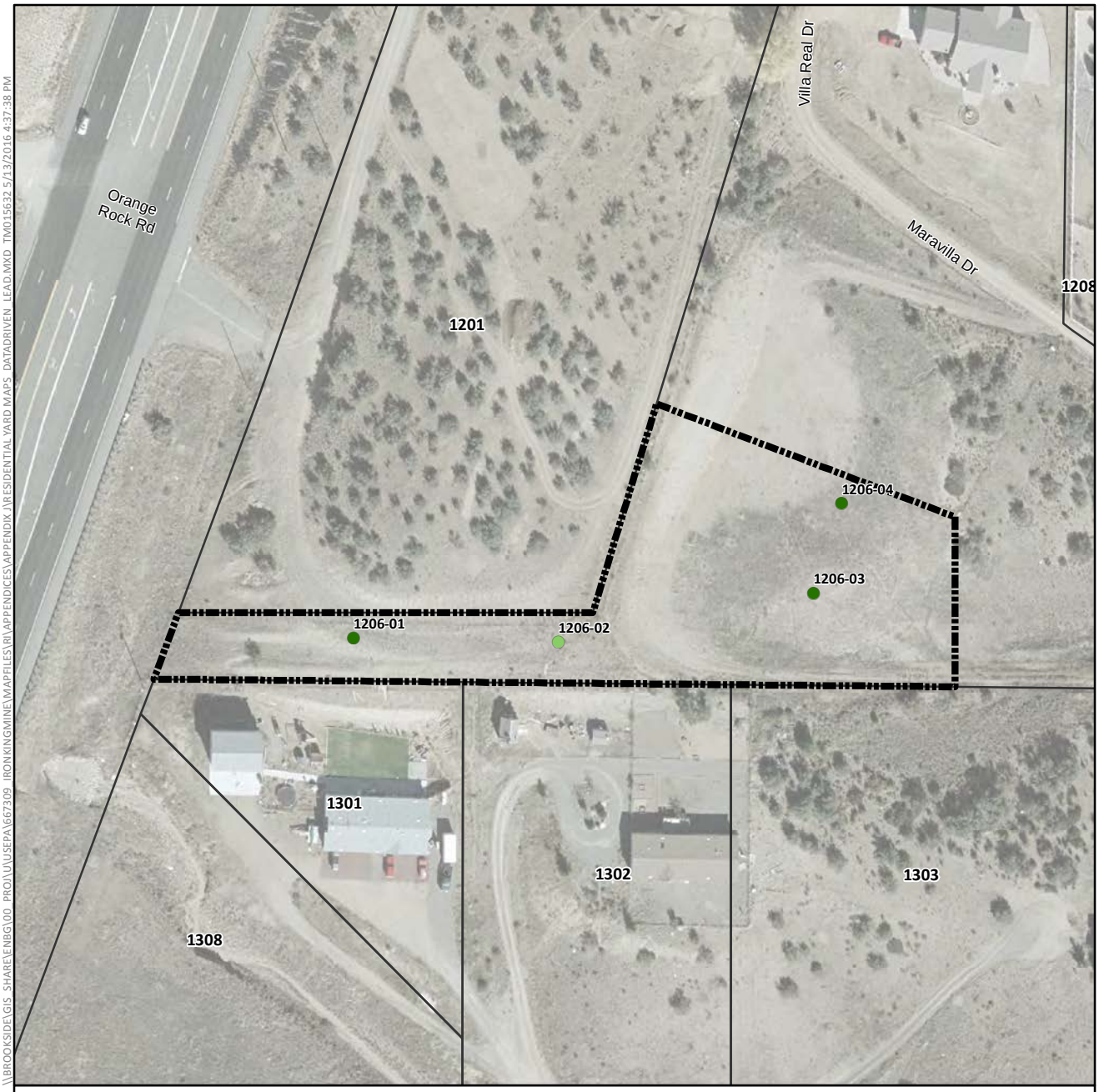


0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1203 (Page 43 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



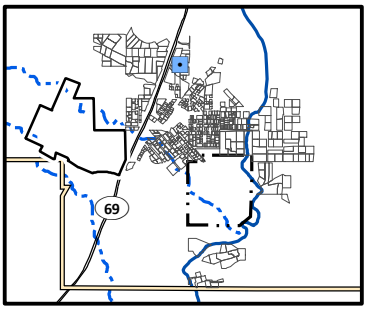
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 190
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1206 (Page 44 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



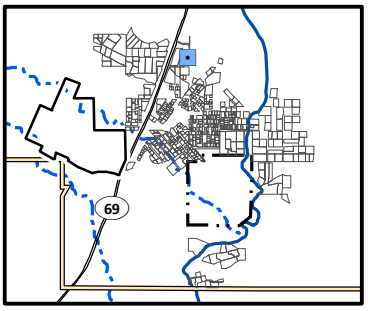
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

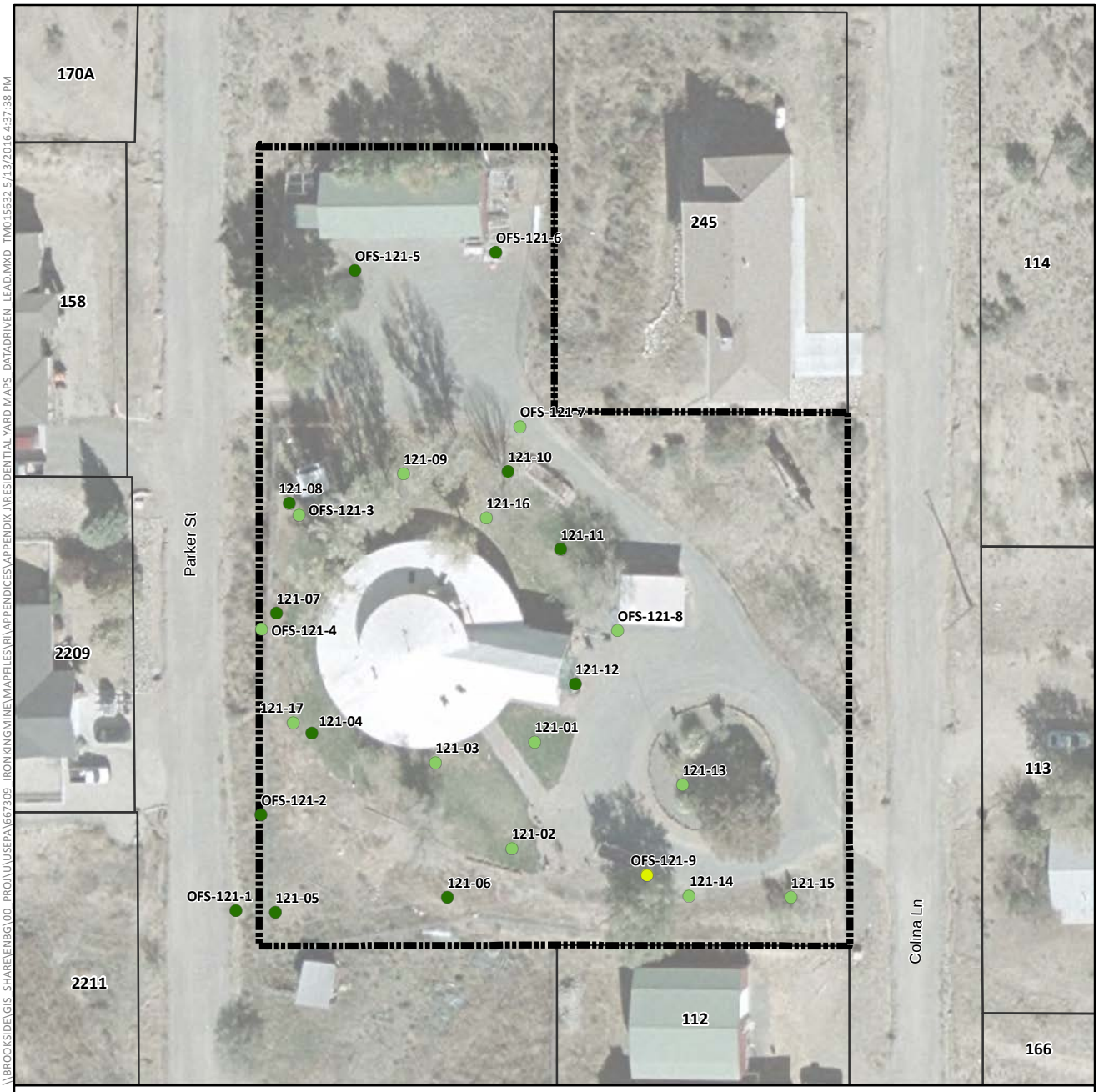
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1208 (Page 45 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



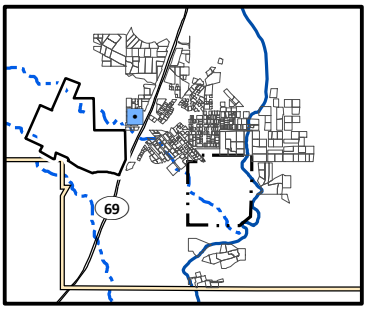
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

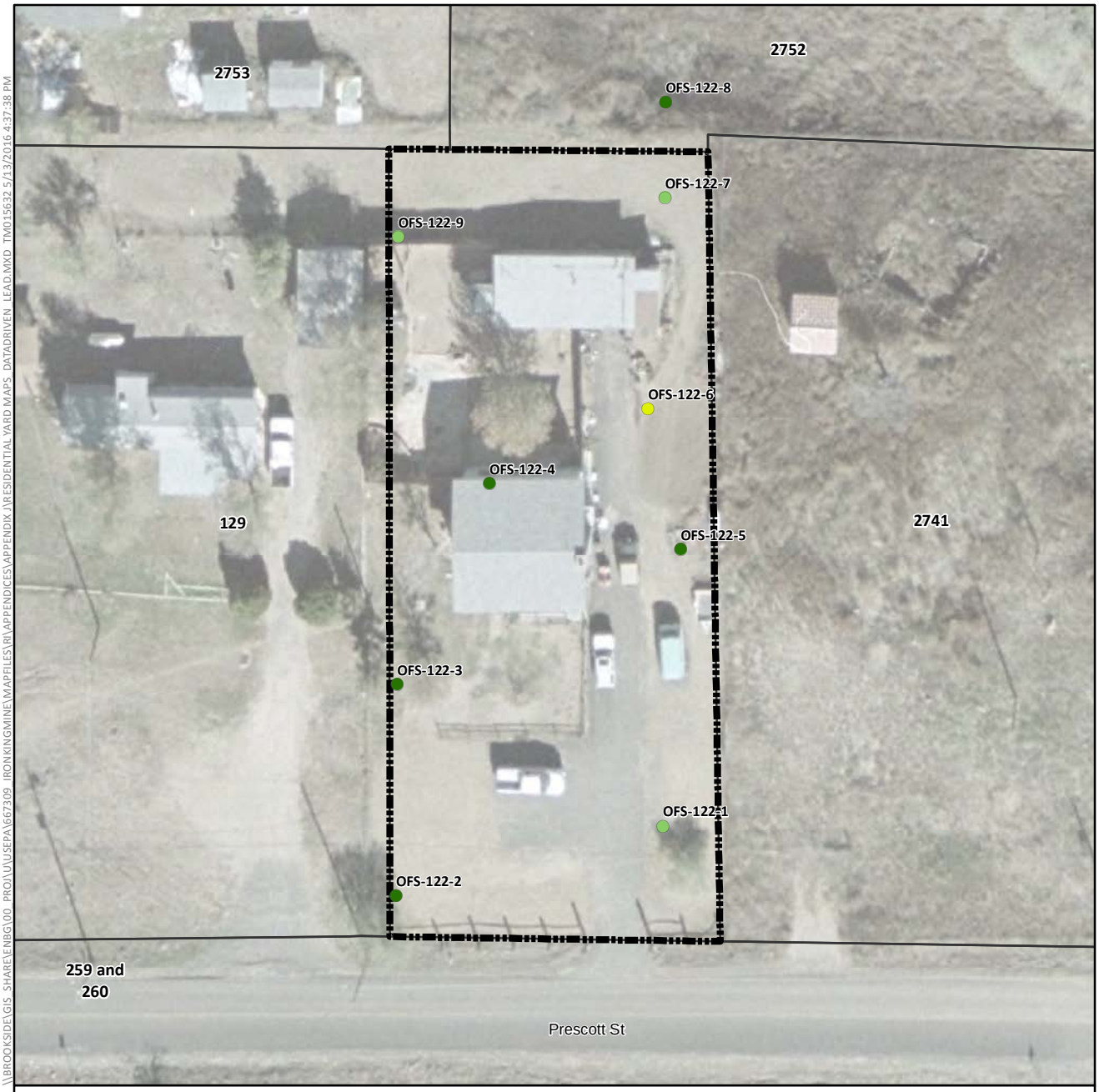
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 121 (Page 46 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



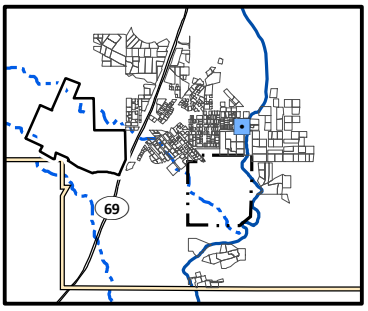
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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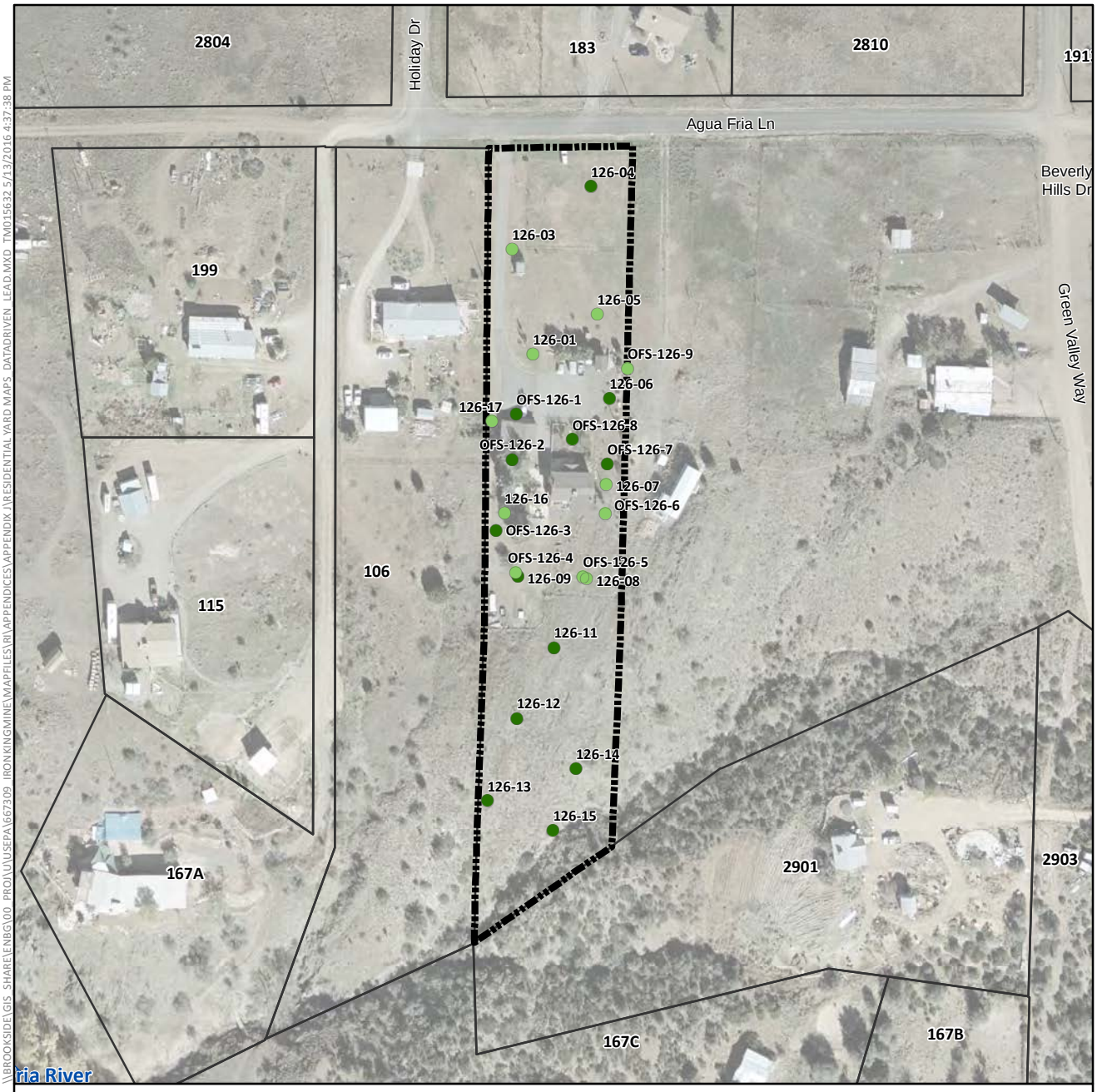
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 122 (Page 47 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



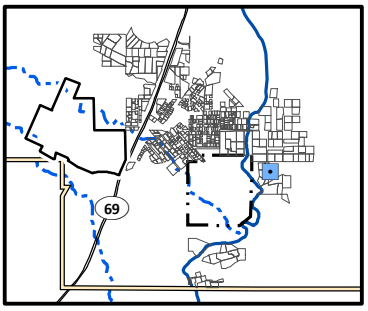
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Lead Concentration in Surface Soil (mg/kg)

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- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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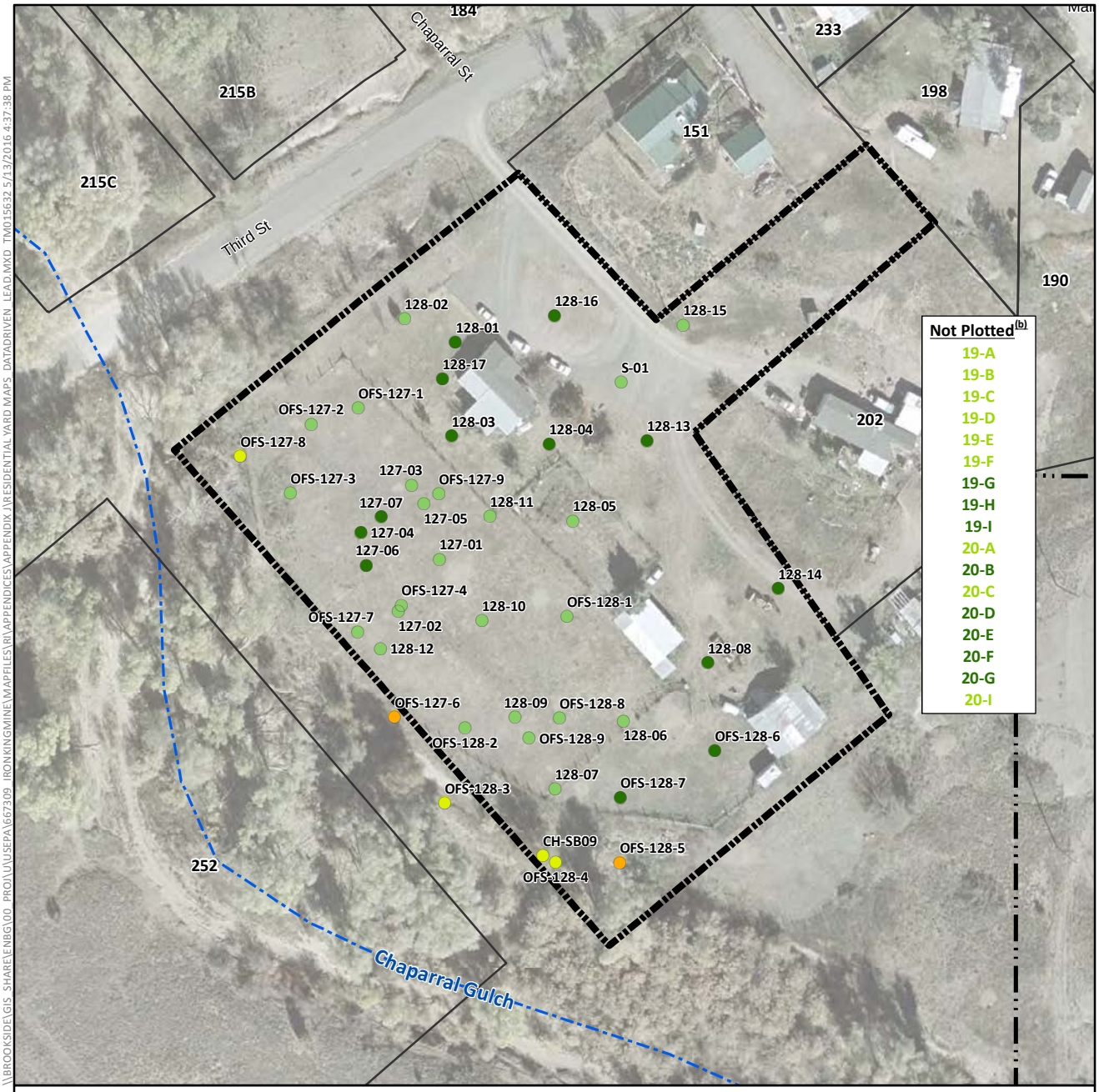
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 270
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 126 (Page 48 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



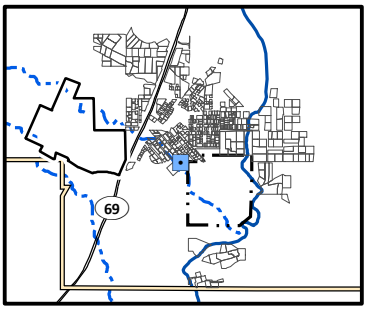
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
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- Yard Boundary
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- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 19-A through 19-I and 20-A through 20-I are not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 175
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 127 (Page 49 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



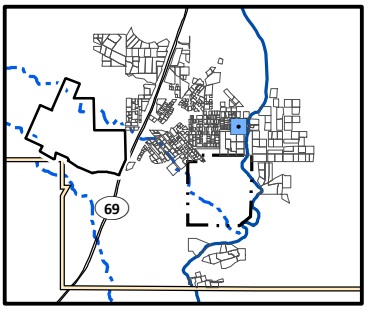
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 129 (Page 50 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



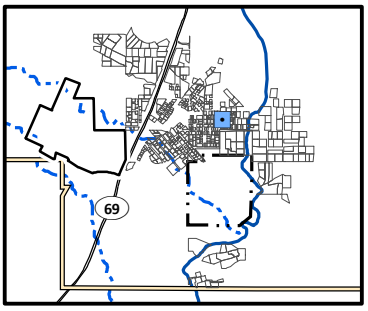
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 130 (Page 51 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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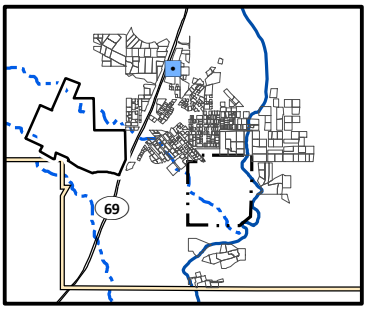


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1301 (Page 52 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



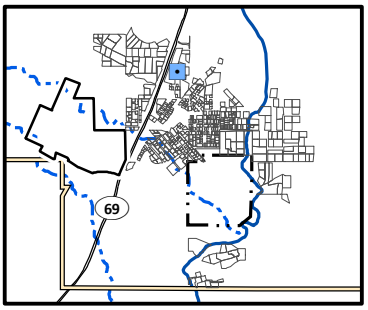
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1302 (Page 53 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



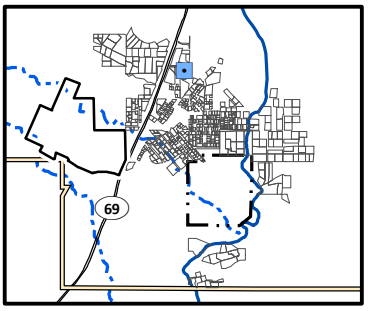
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

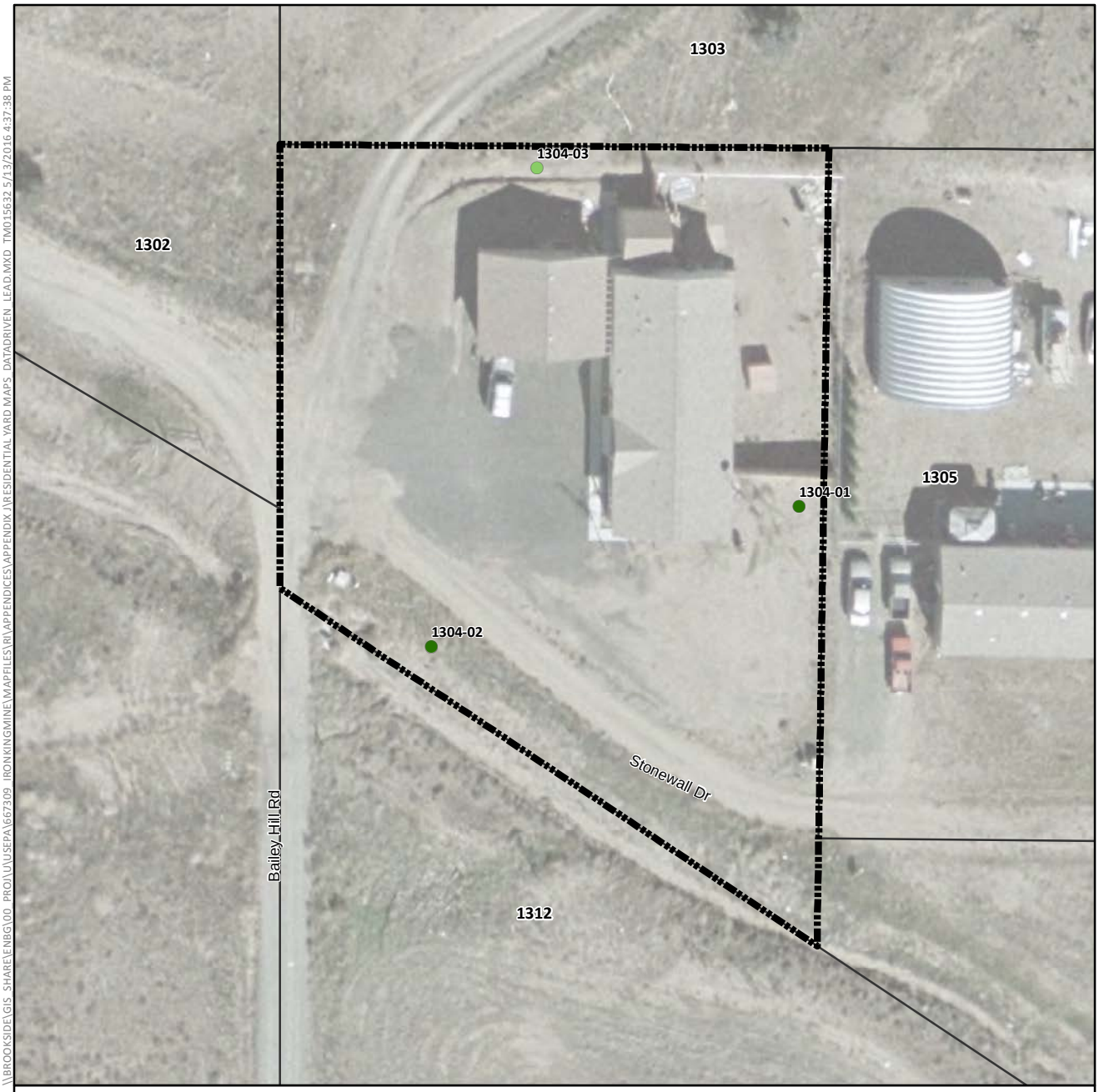


0 125
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1303 (Page 54 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



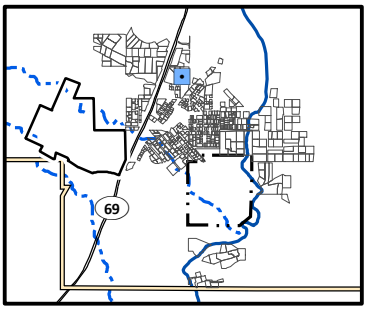
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1304 (Page 55 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



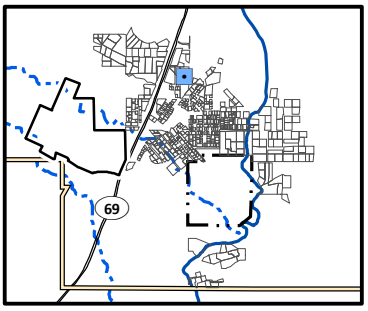
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

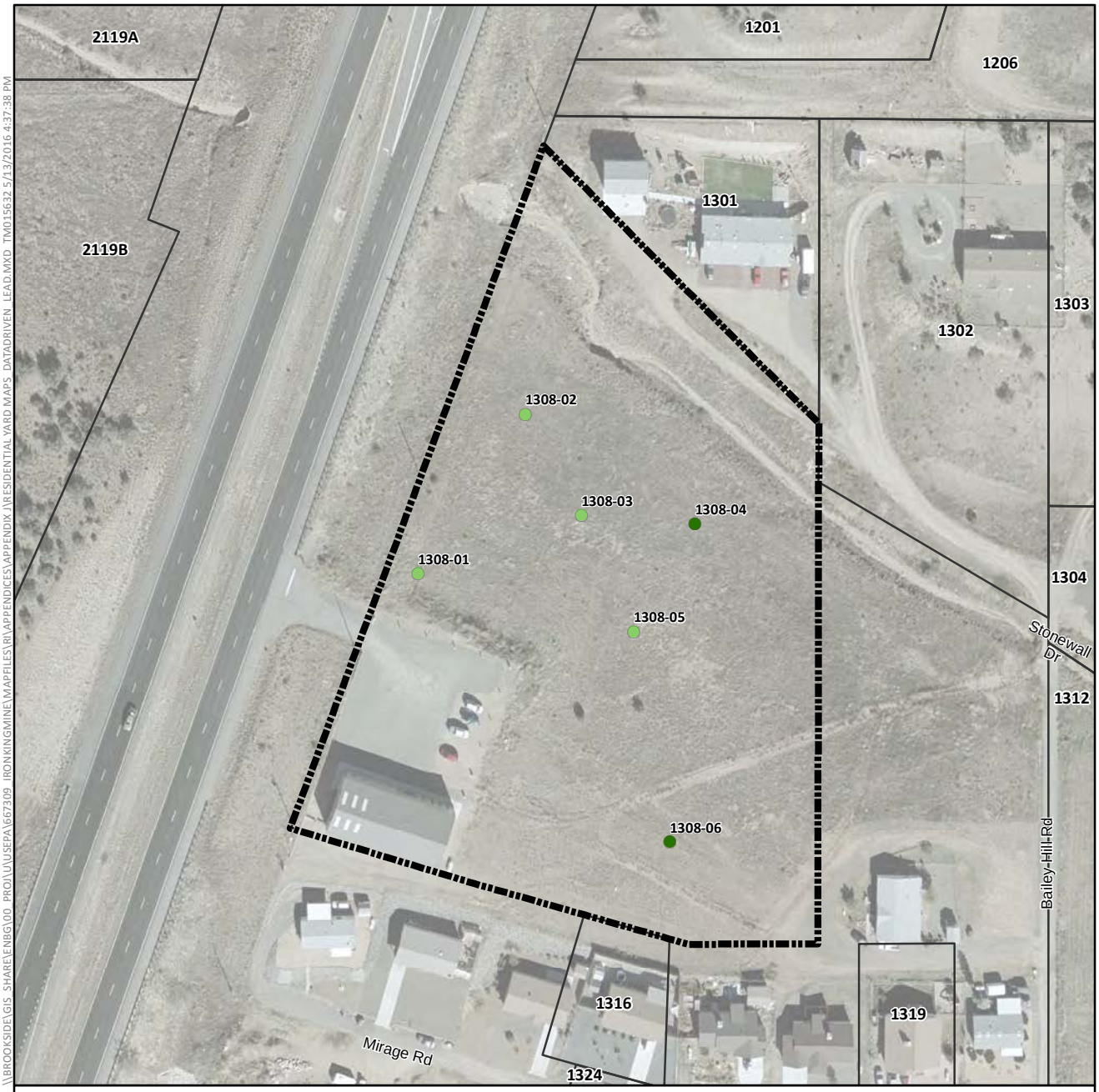
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1305 (Page 56 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



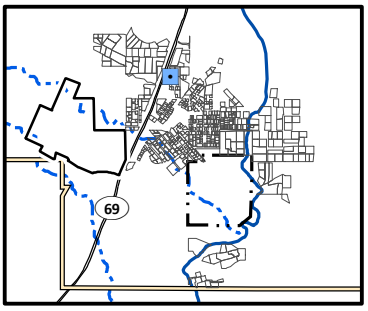
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 225
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1308 (Page 57 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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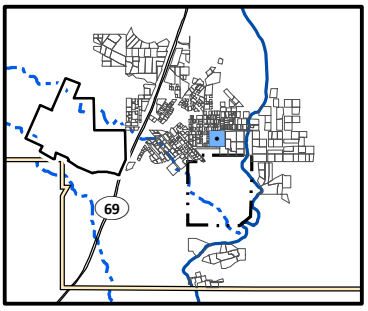


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

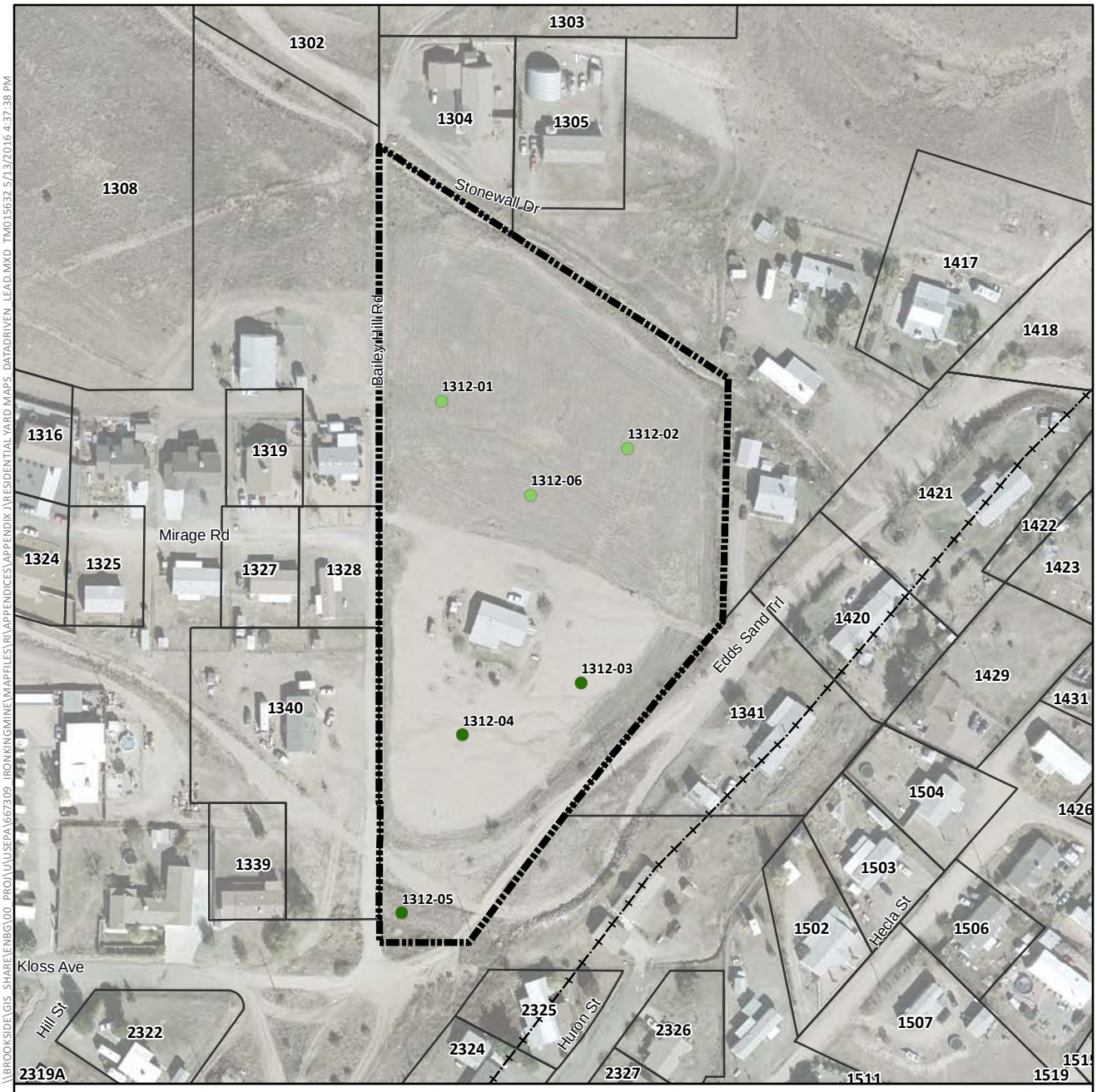
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 131 (Page 58 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

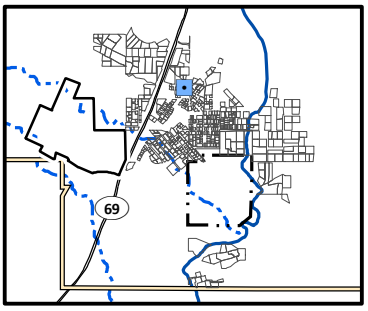


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

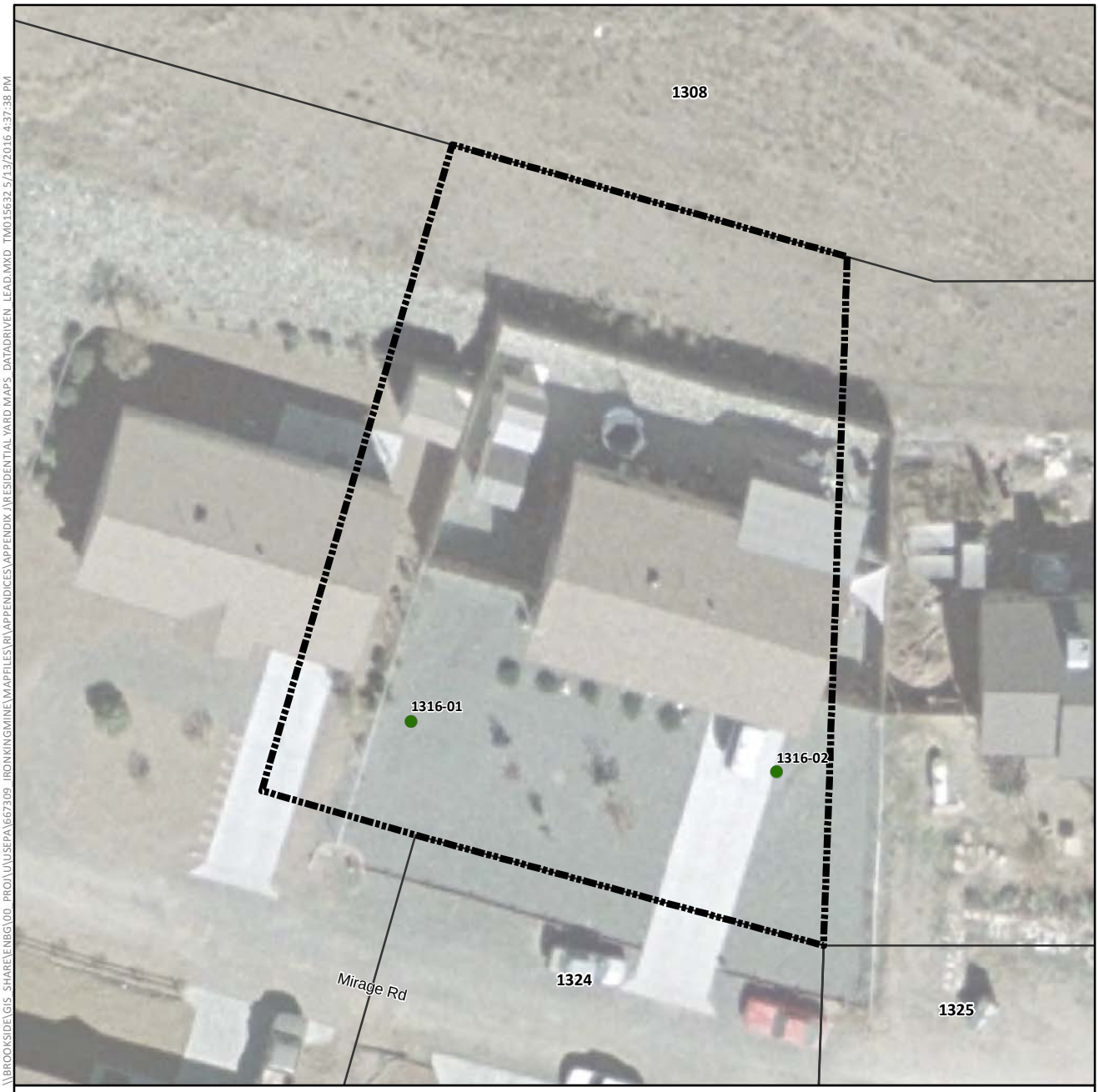


0 280
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1312 (Page 59 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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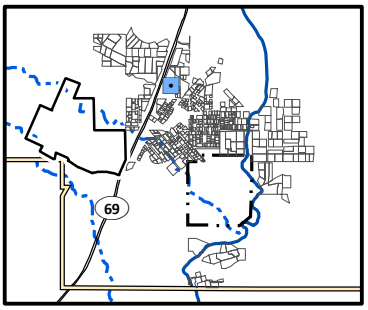
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1316 (Page 60 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



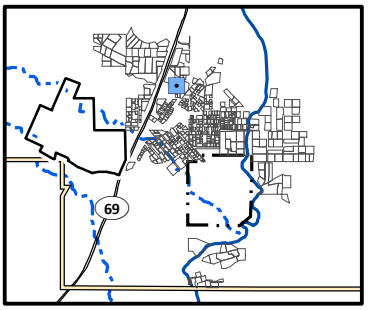
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

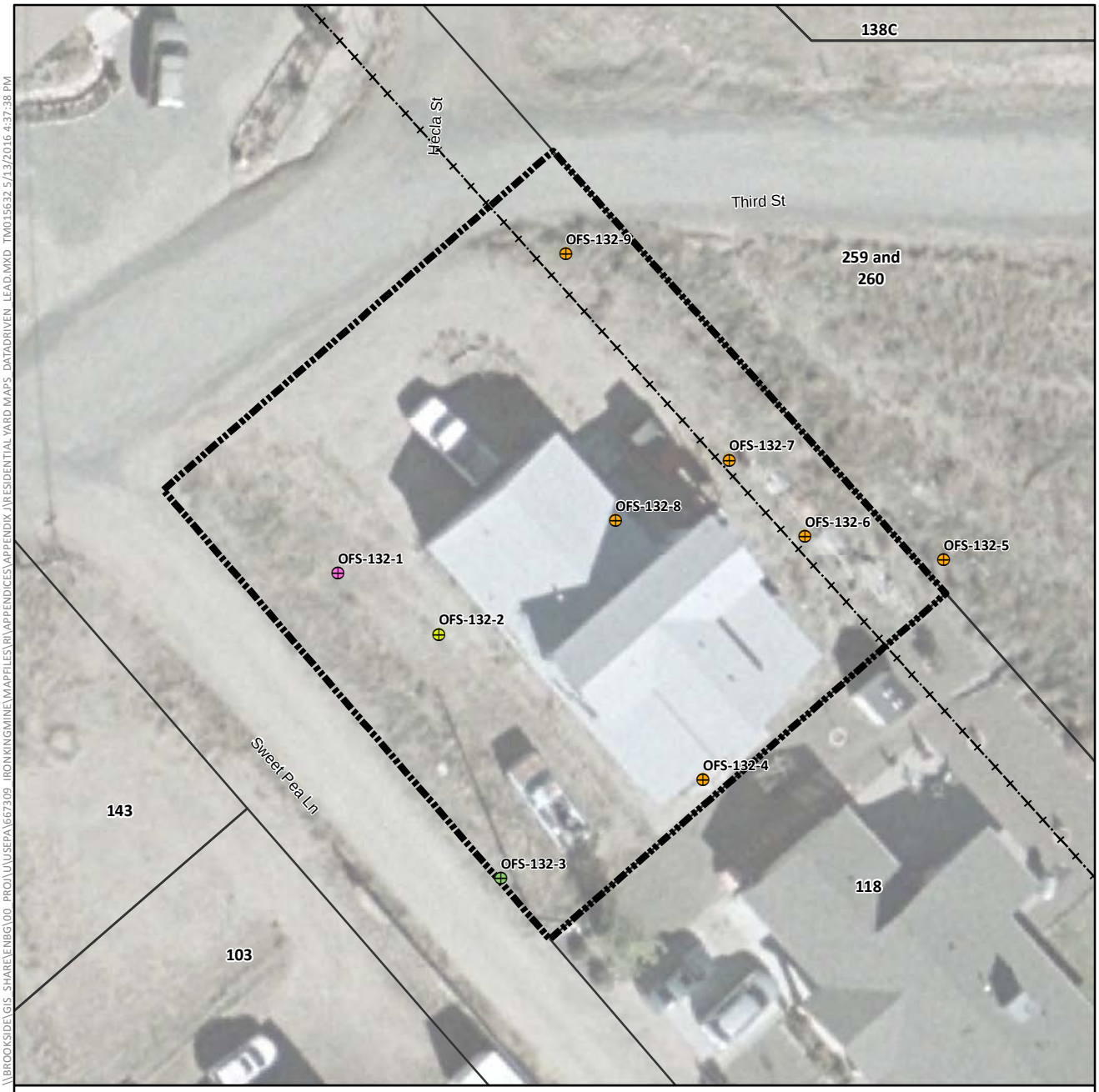


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1319 (Page 61 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



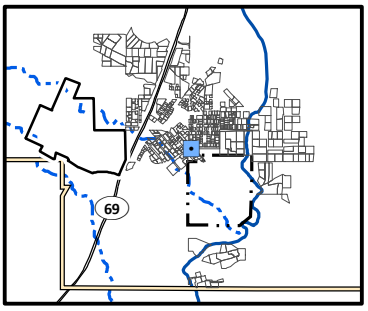
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



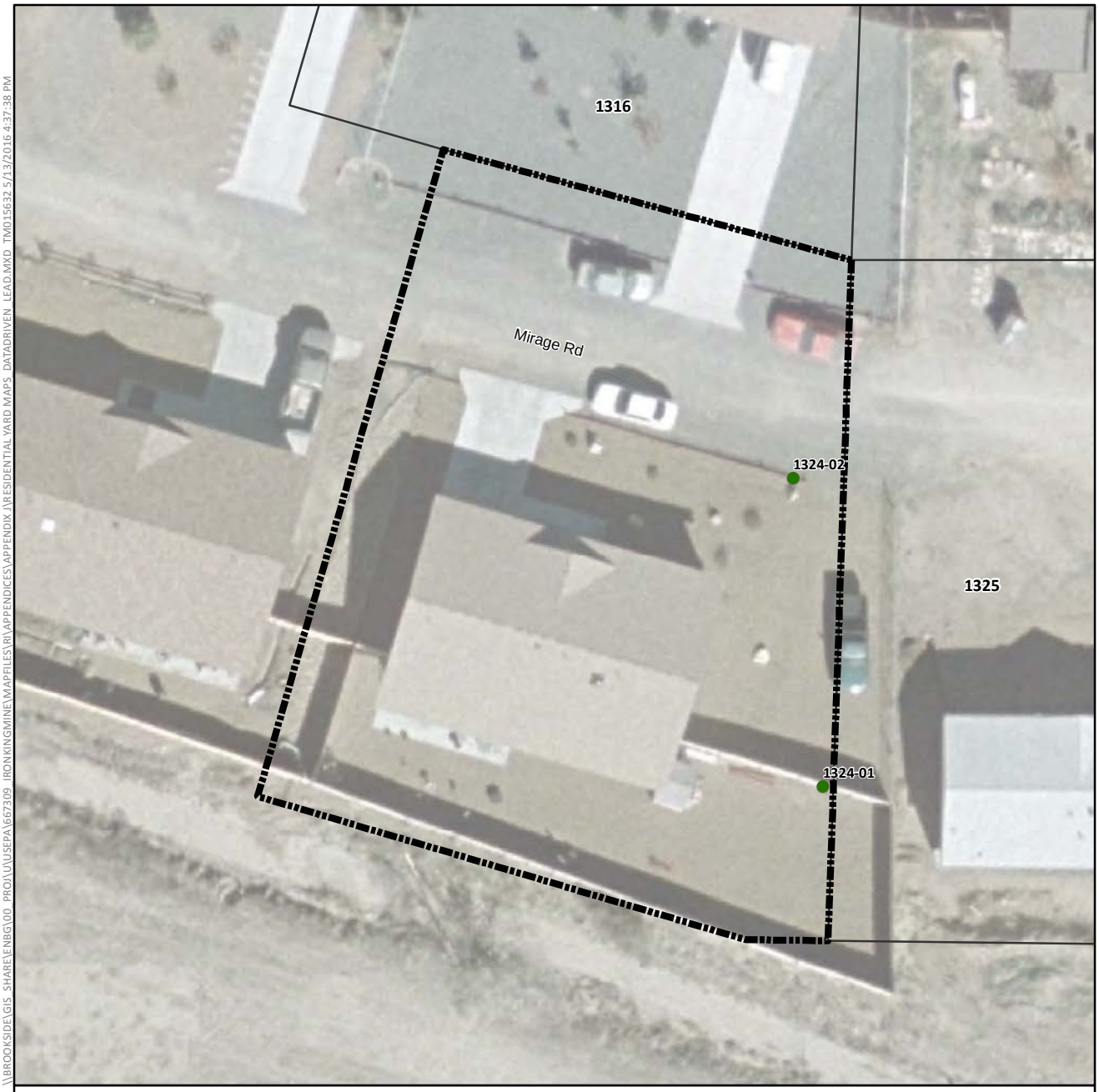
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Scale in Feet

N

Lead Distribution in Surface Soil, Yard 132 (Page 62 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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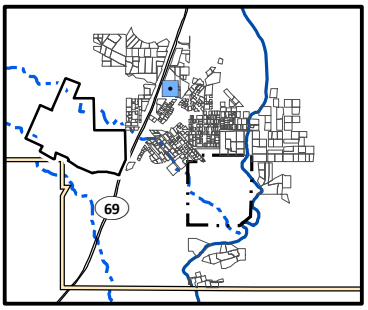


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1324 (Page 63 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



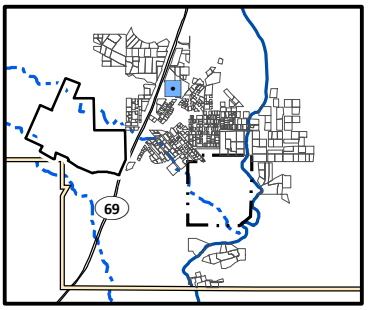
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1325 (Page 64 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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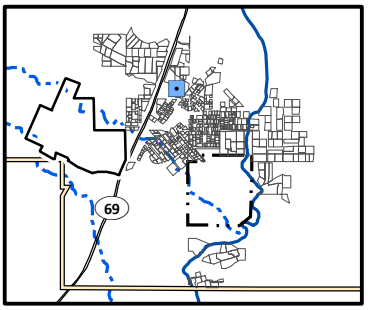


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1327 (Page 65 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



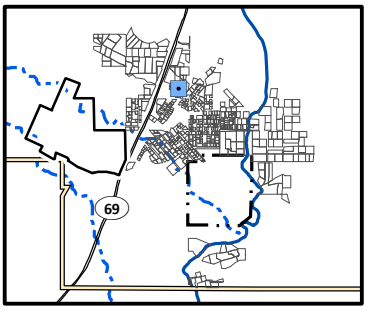
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

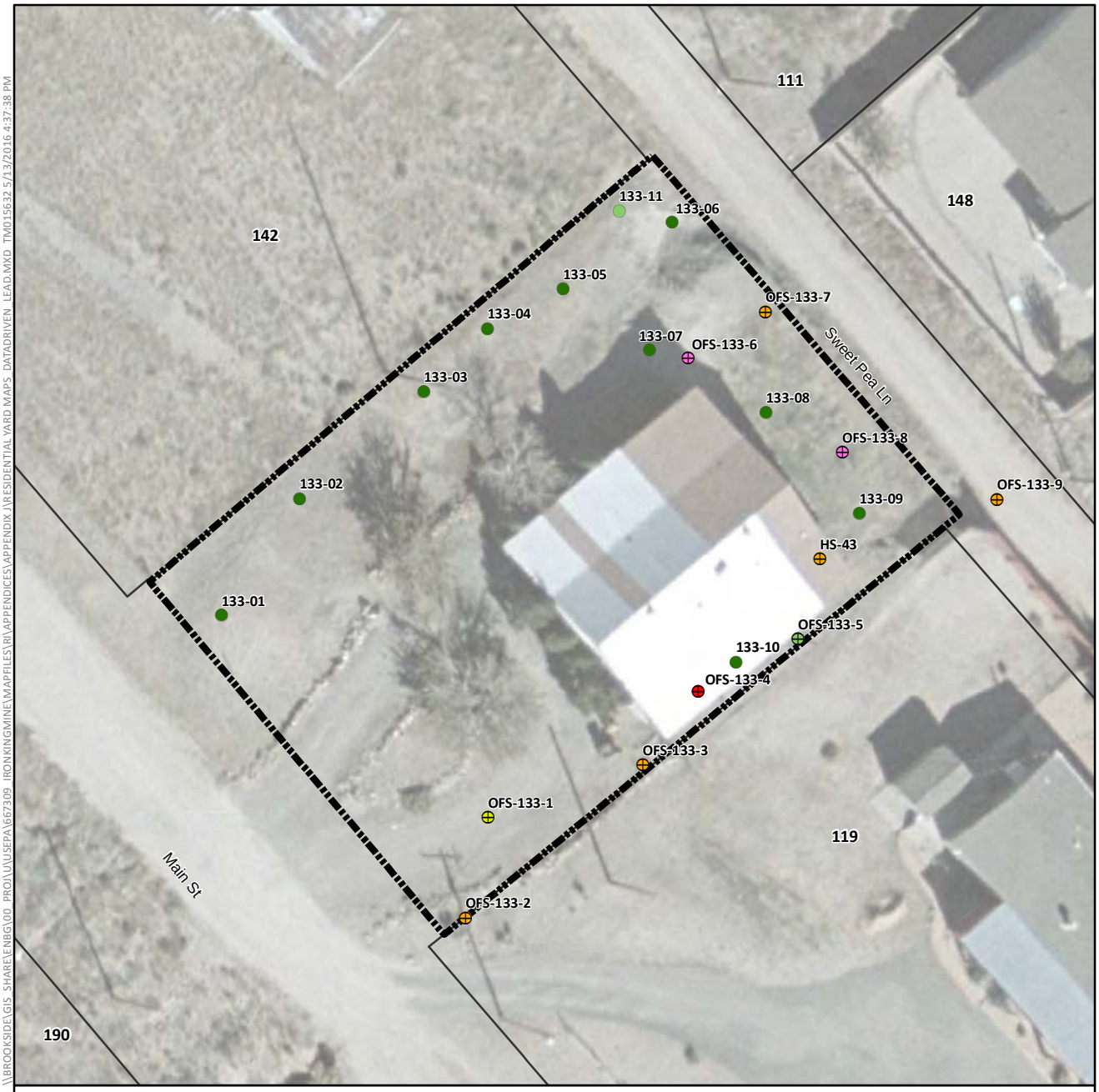


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1328 (Page 66 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



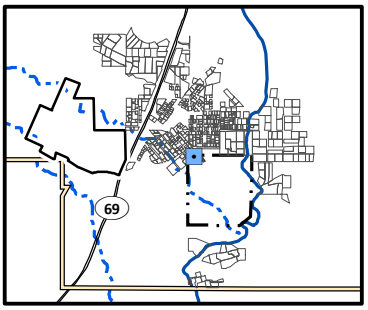
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 133 (Page 67 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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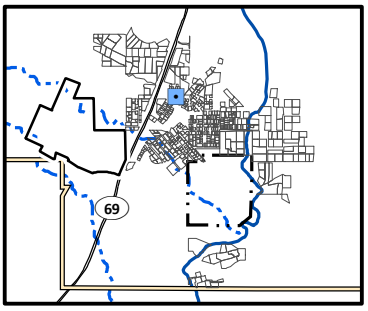


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

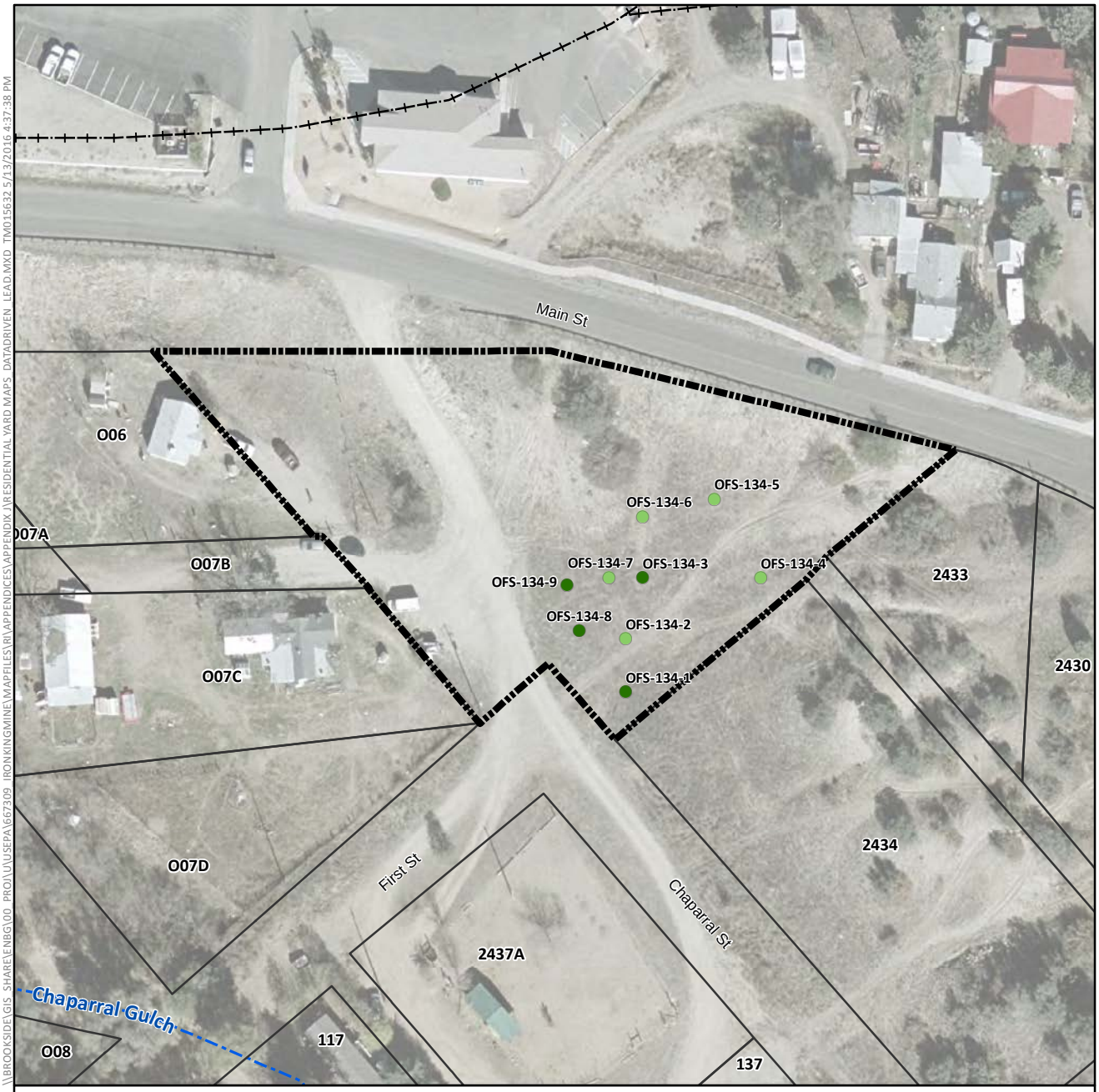


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1339 (Page 68 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



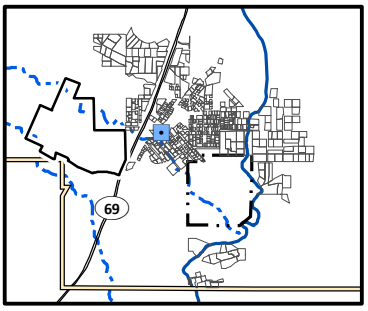
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

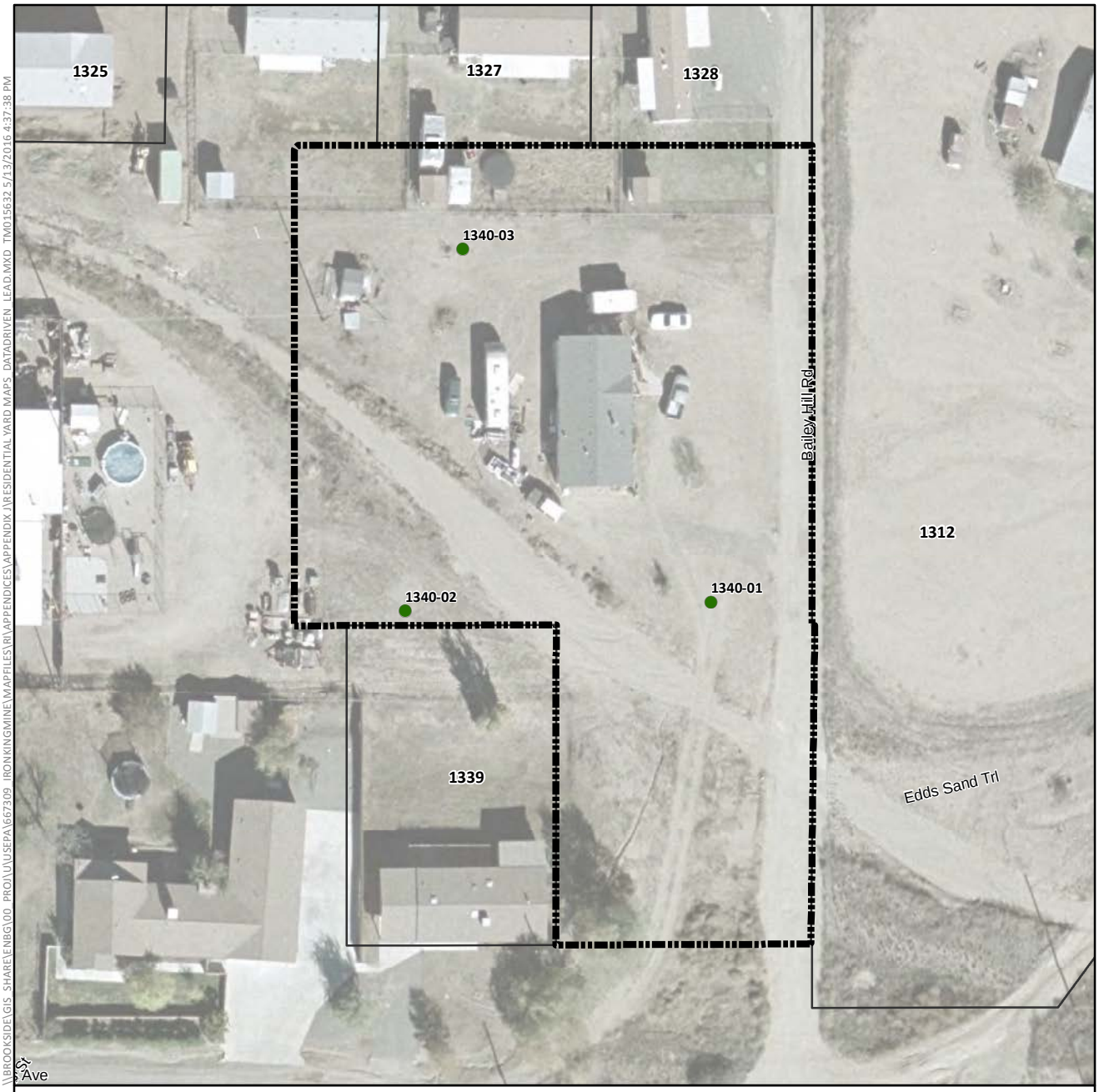


0 140
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 134 (Page 69 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



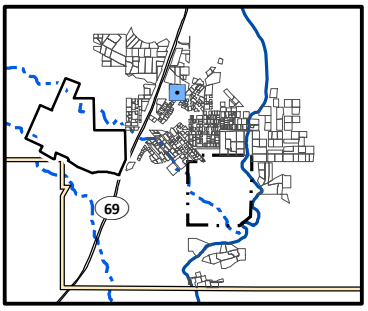
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

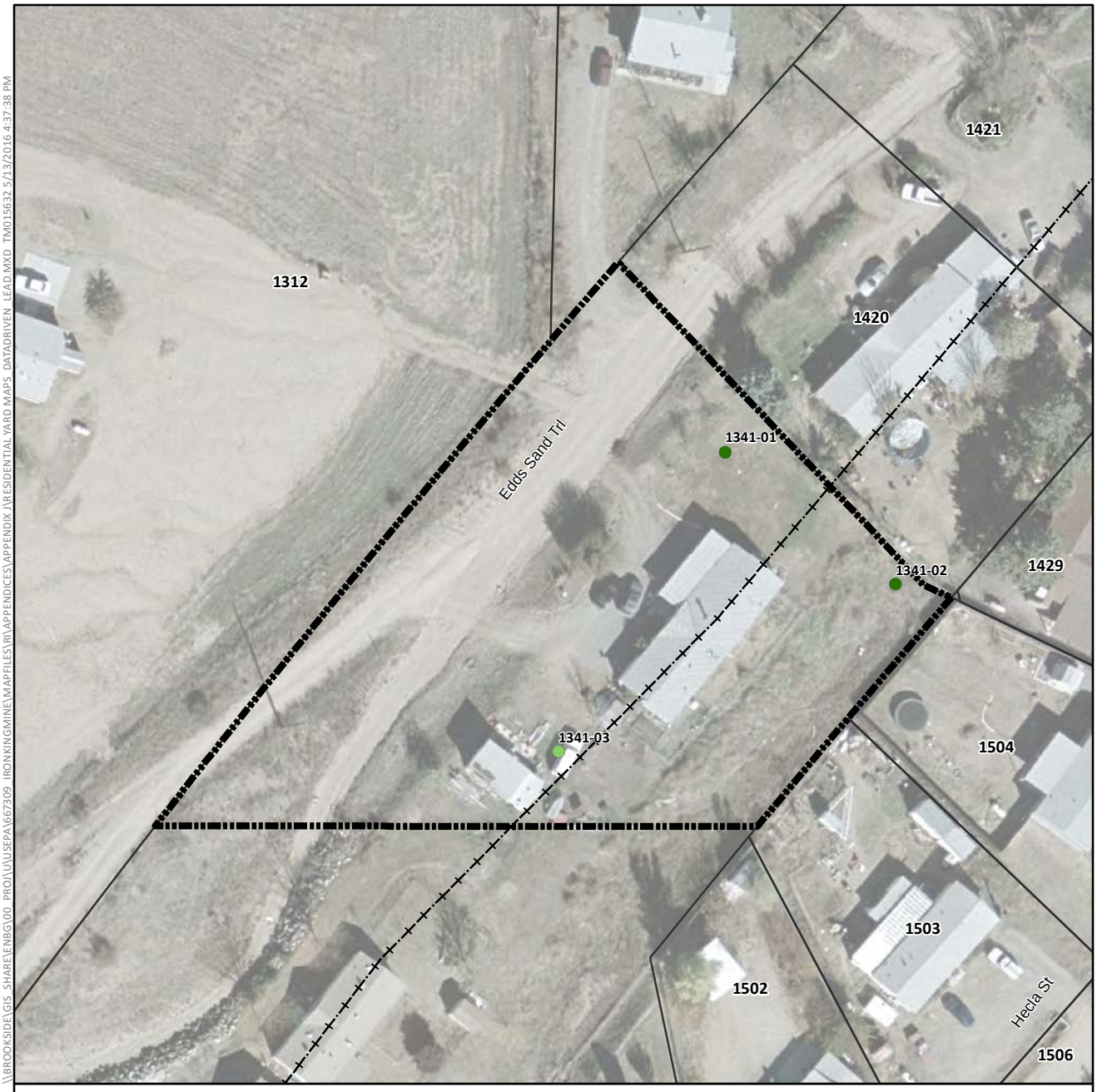


0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1340 (Page 70 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



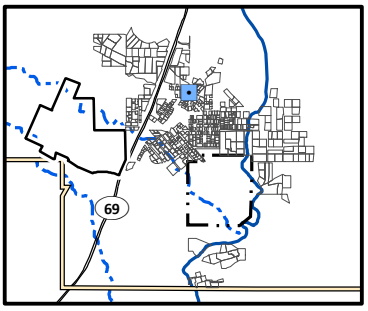
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1341 (Page 71 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



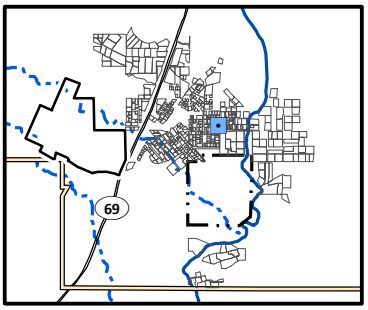
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

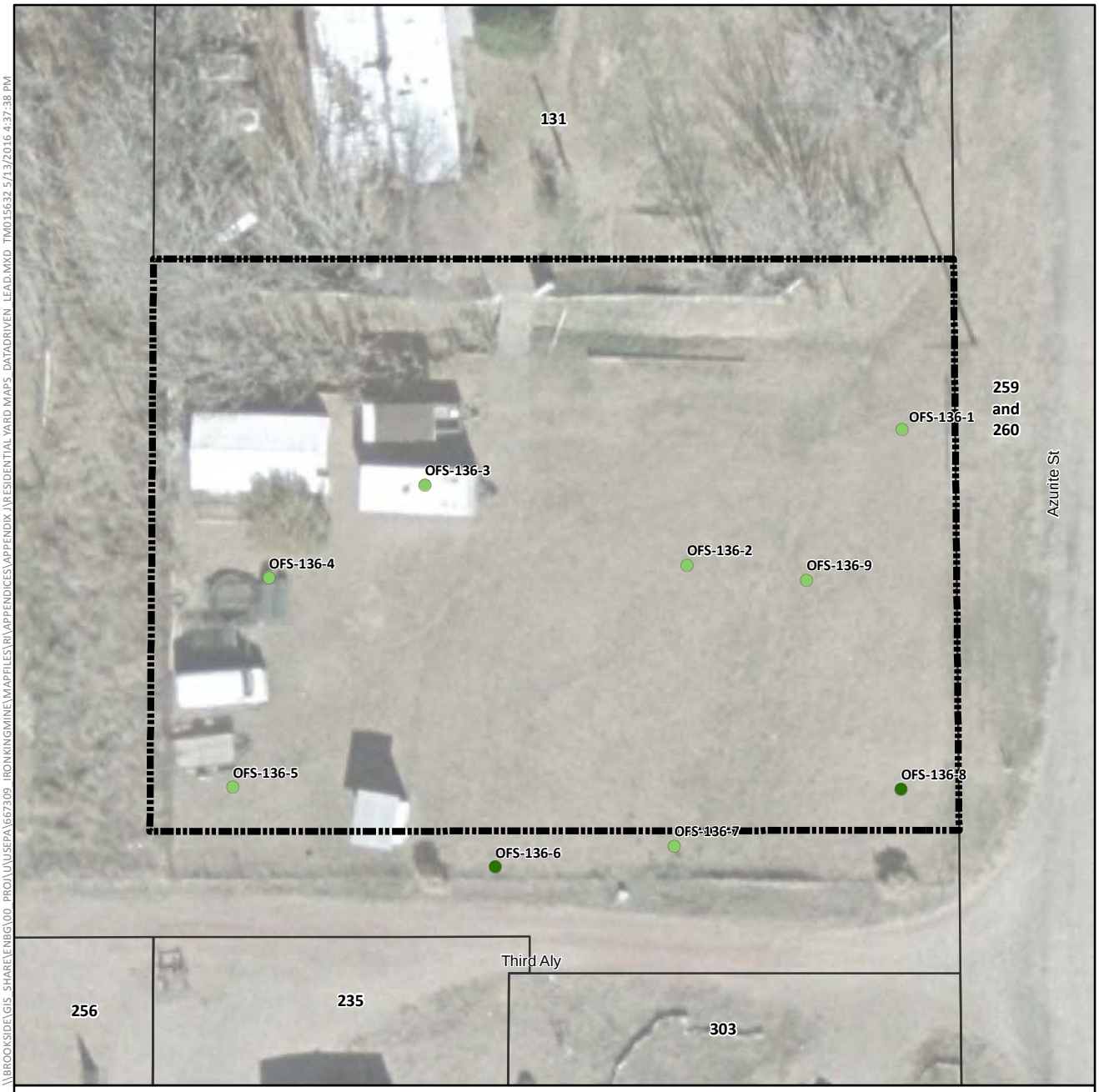


0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 135 (Page 72 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



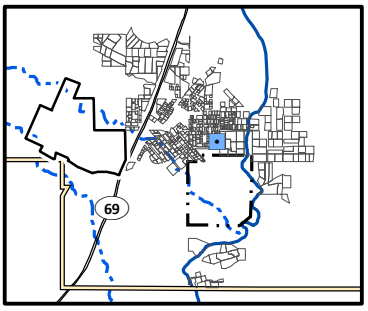
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

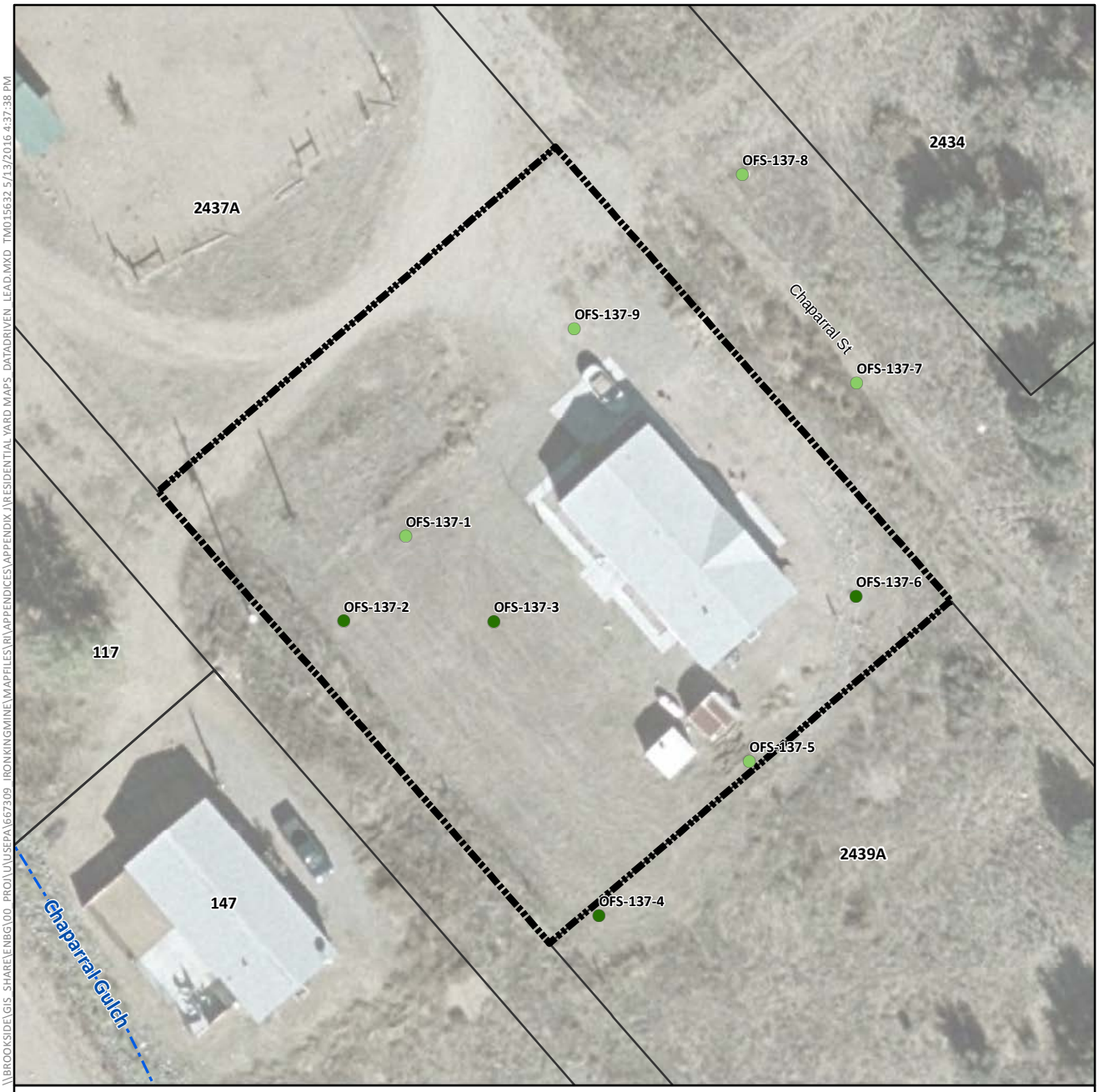
Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 136 (Page 73 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



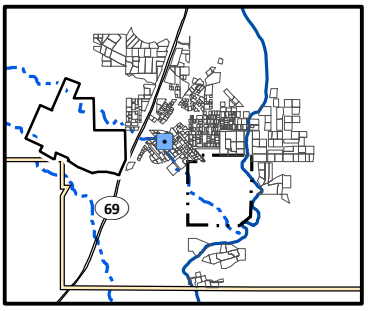
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

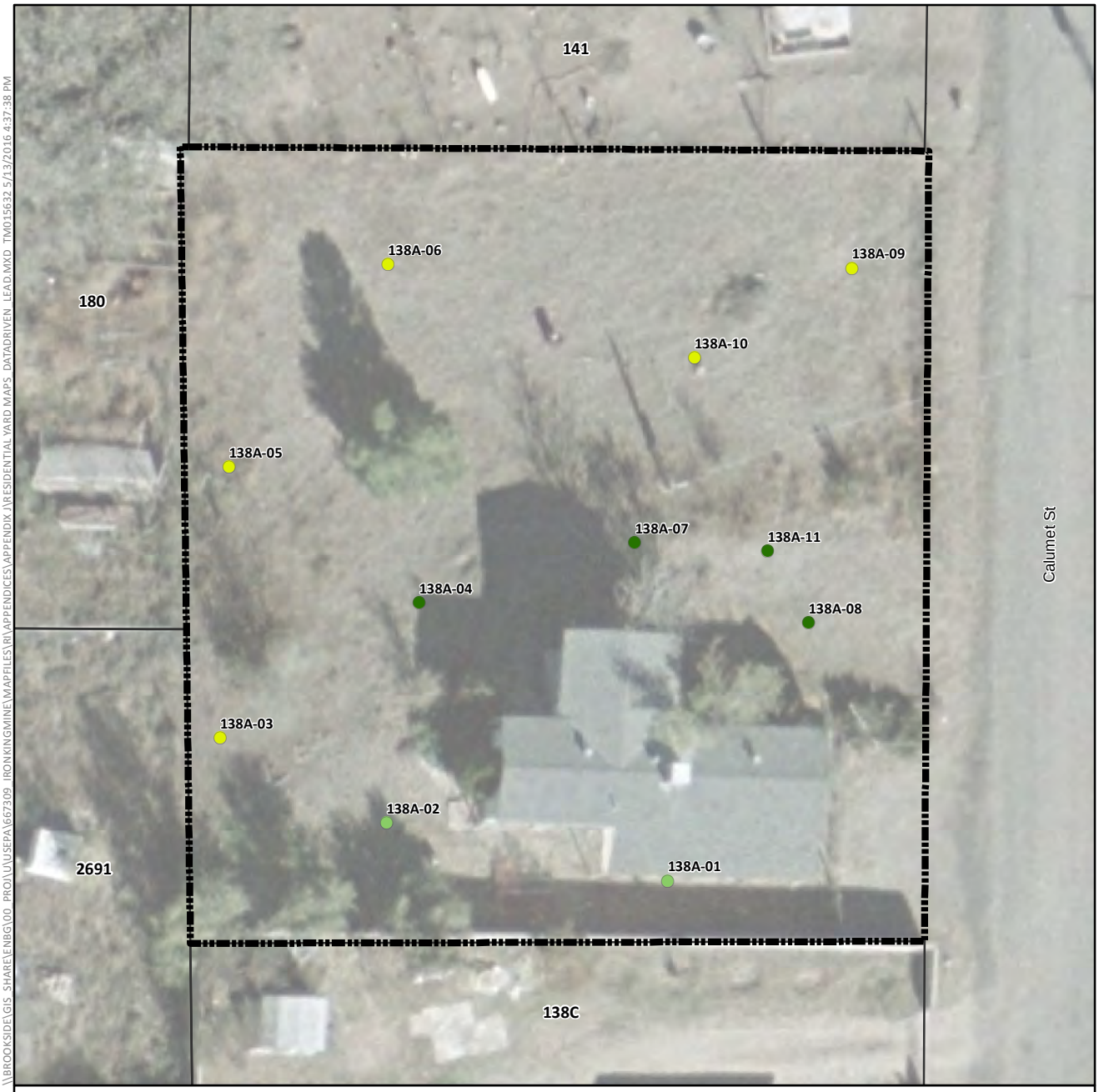


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 137 (Page 74 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



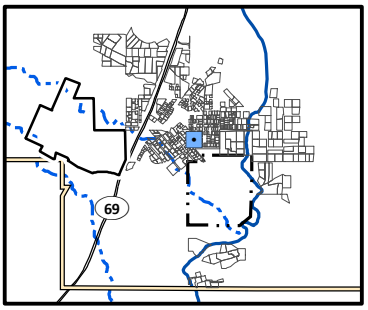
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

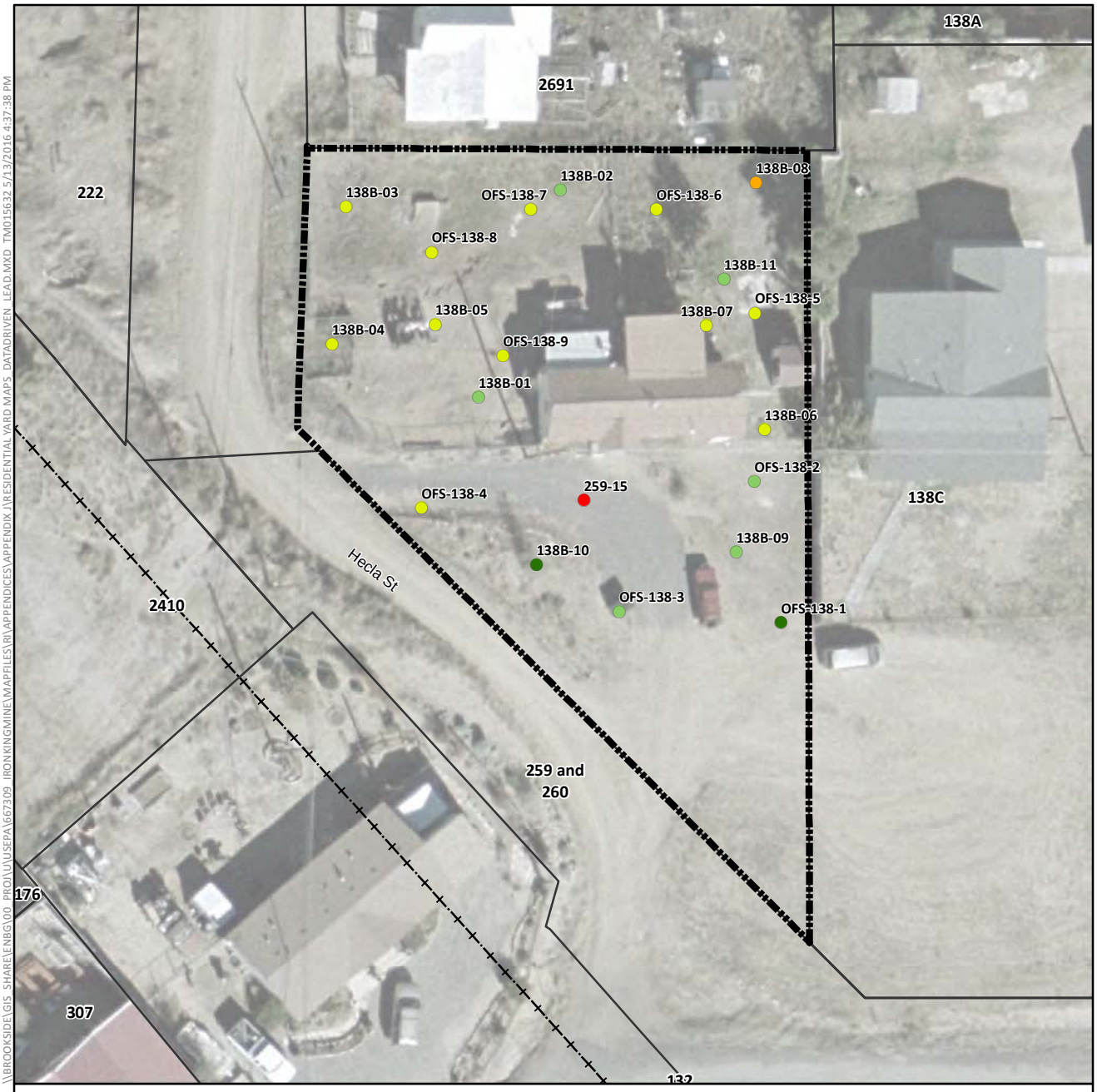
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 138A (Page 75 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



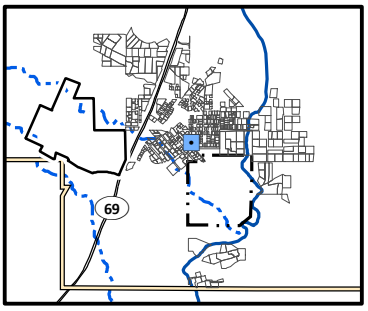
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

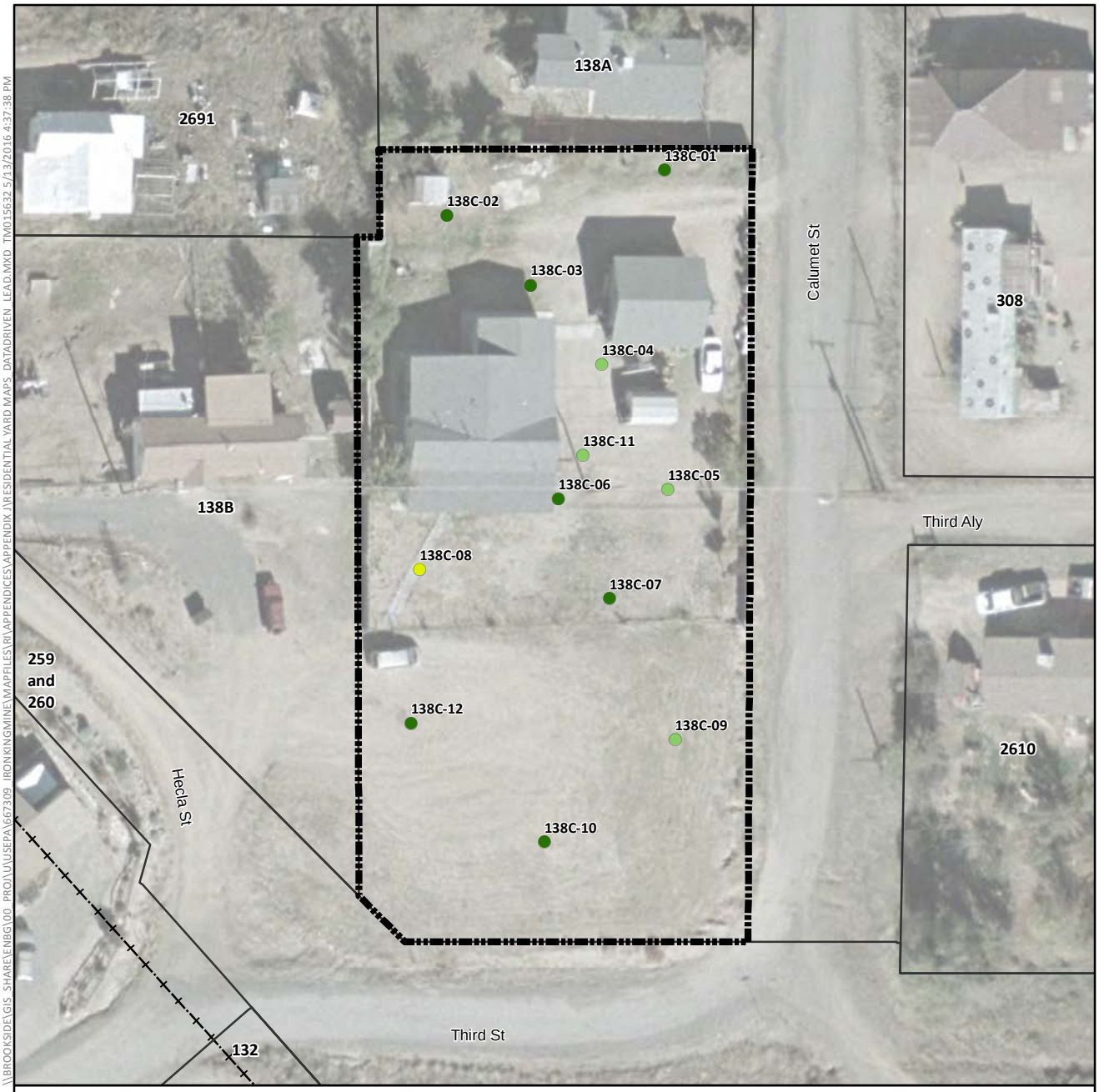


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 138B (Page 76 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



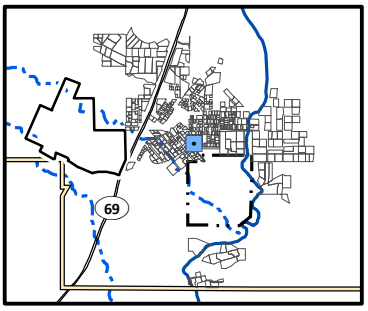
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 138C (Page 77 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



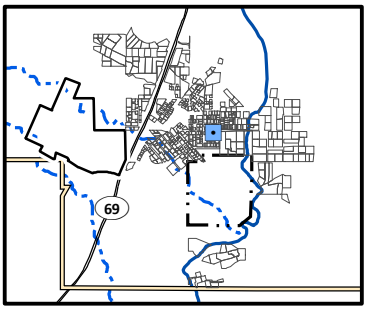
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 139 (Page 78 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



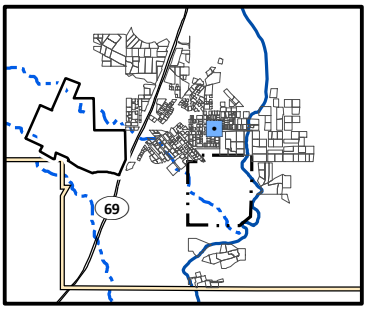
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 140 (Page 79 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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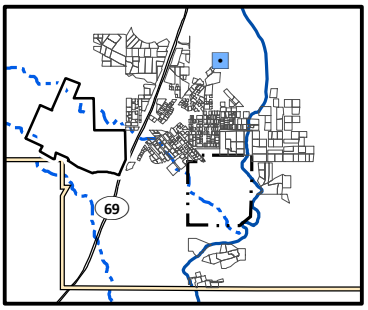


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

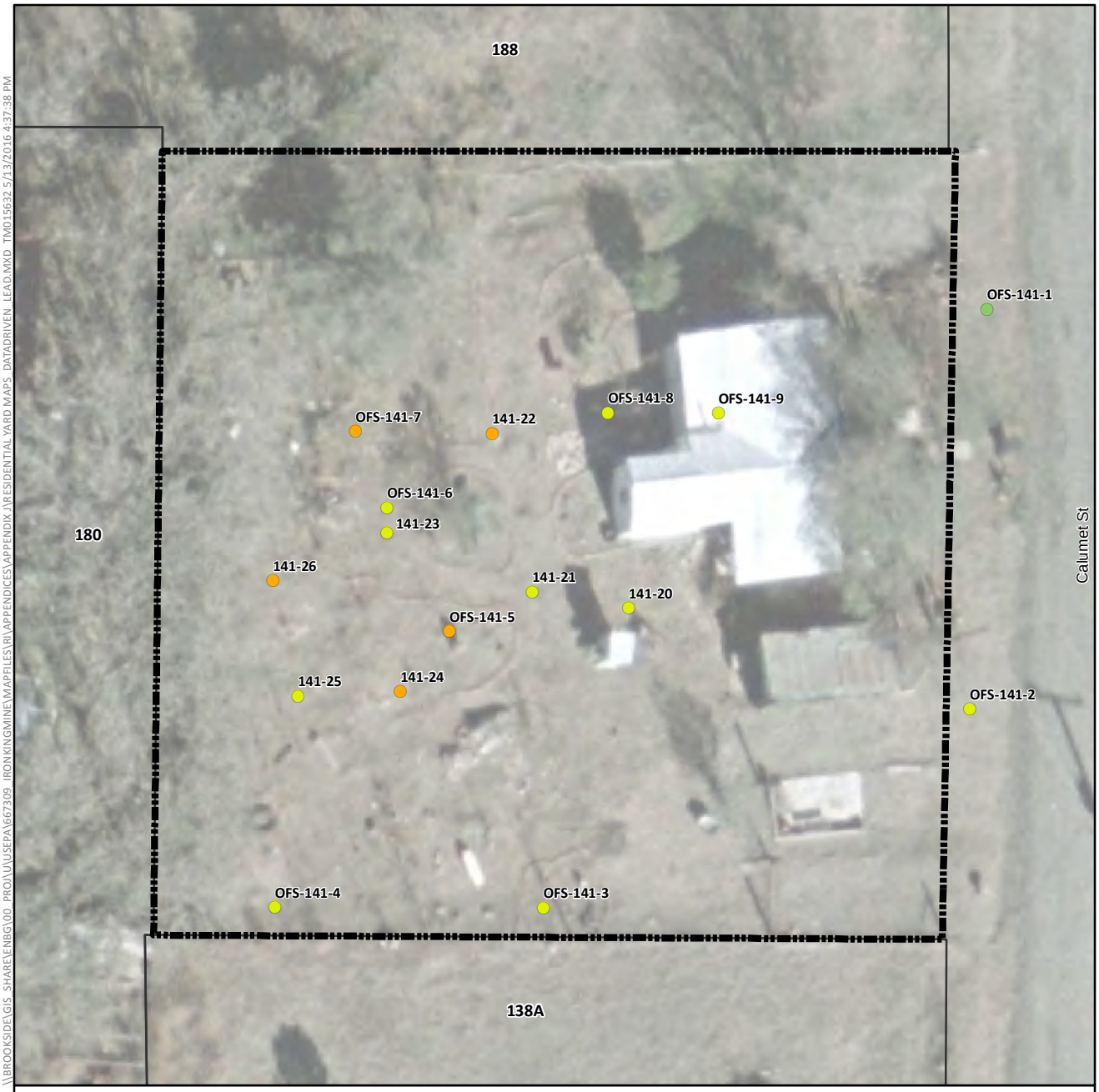
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1401 (Page 80 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



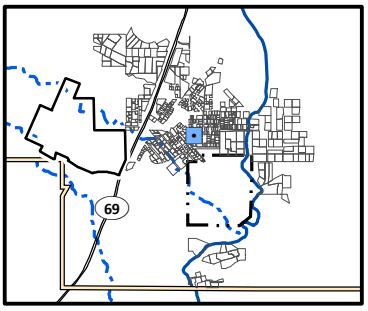
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



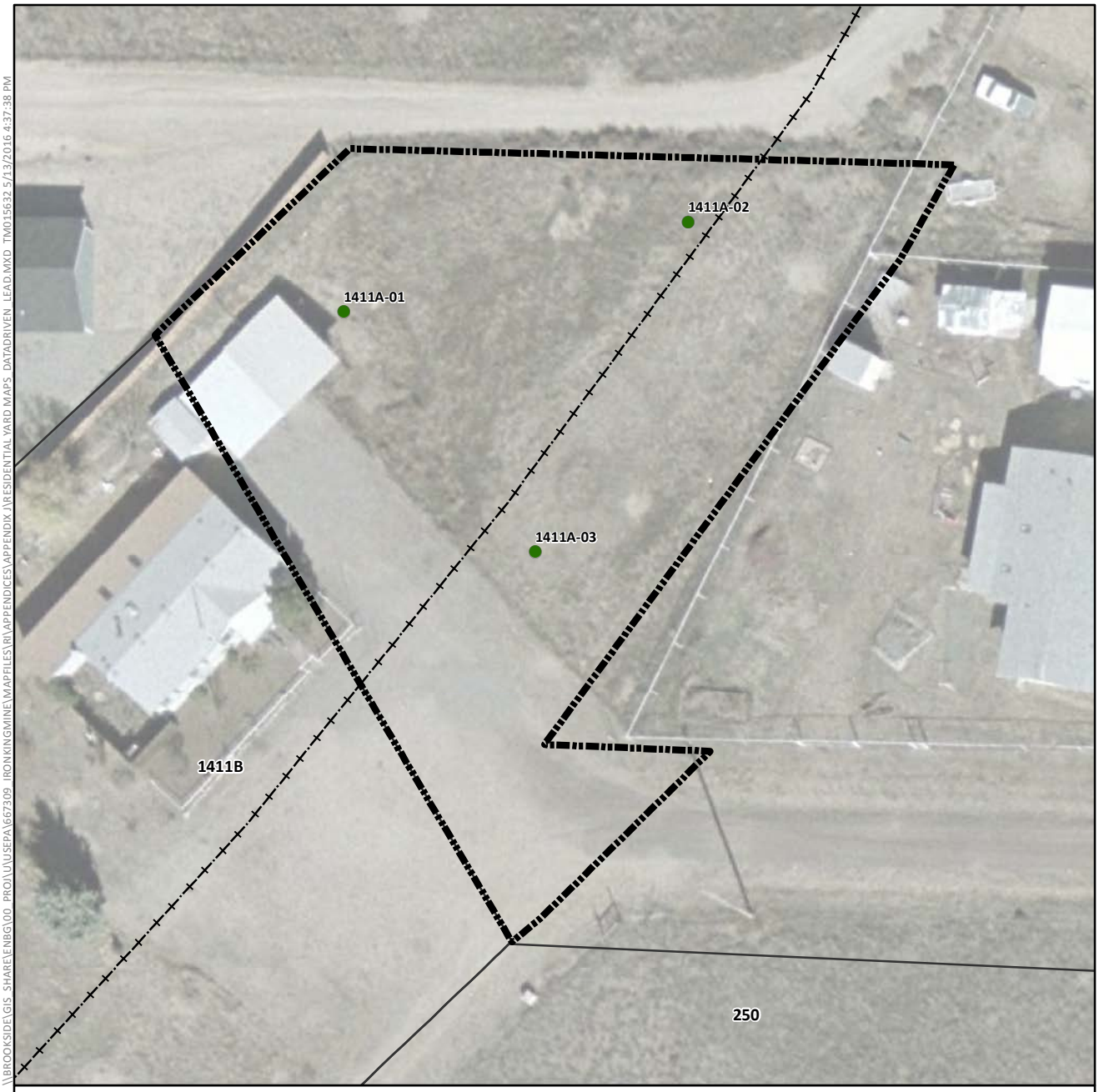
0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 141 (Page 81 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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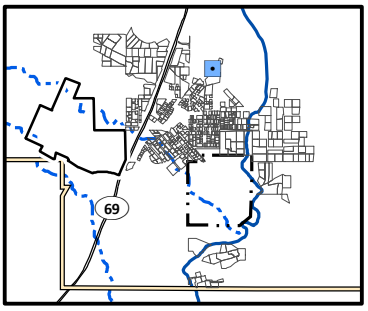


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1411A (Page 82 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



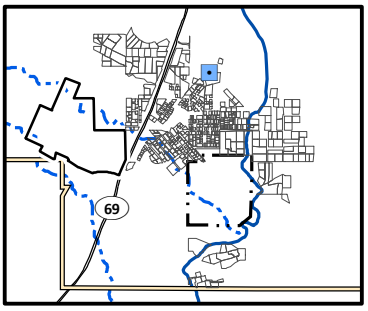
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



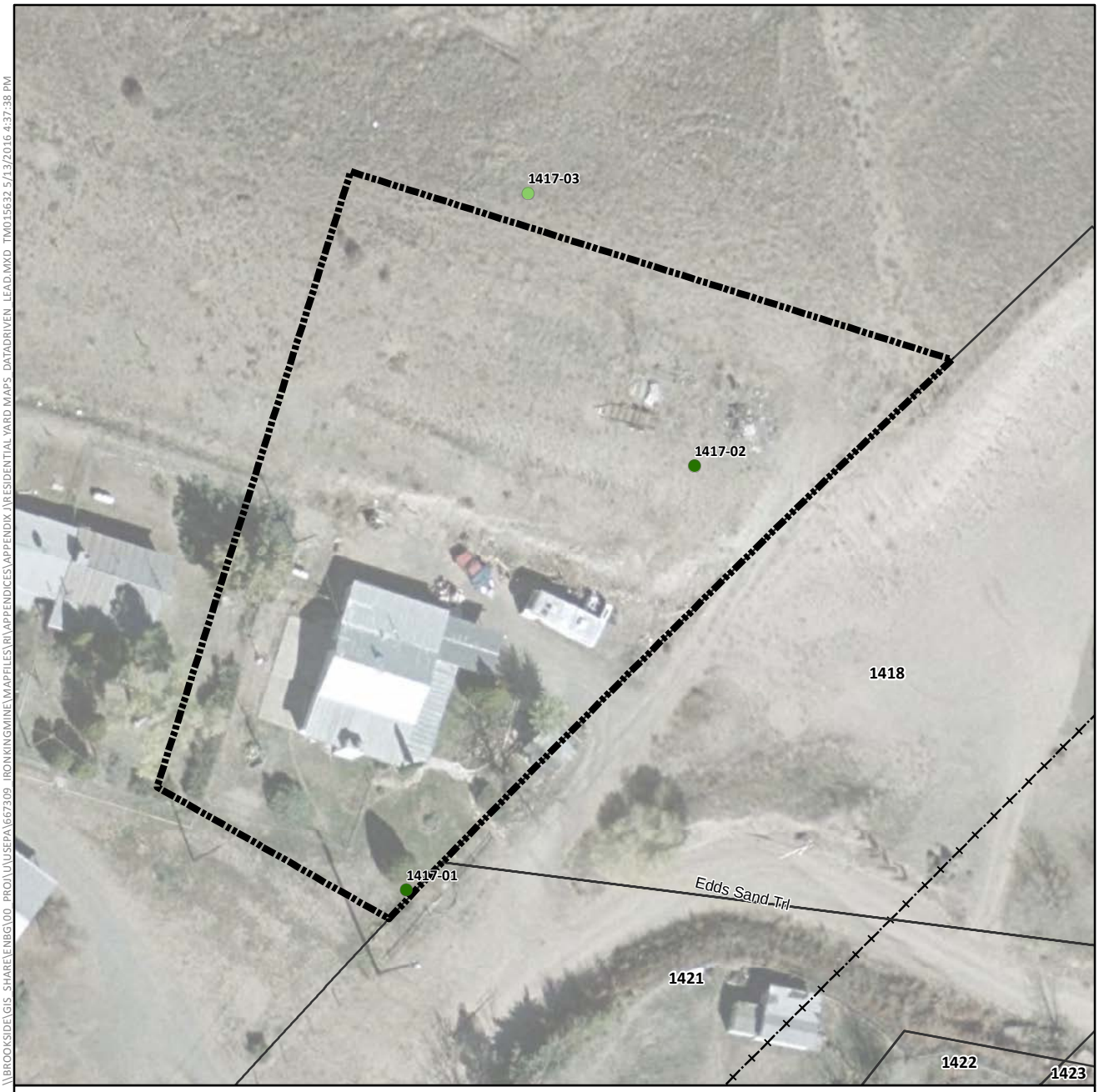
0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1411B (Page 83 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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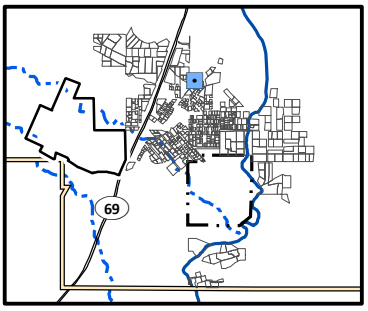


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

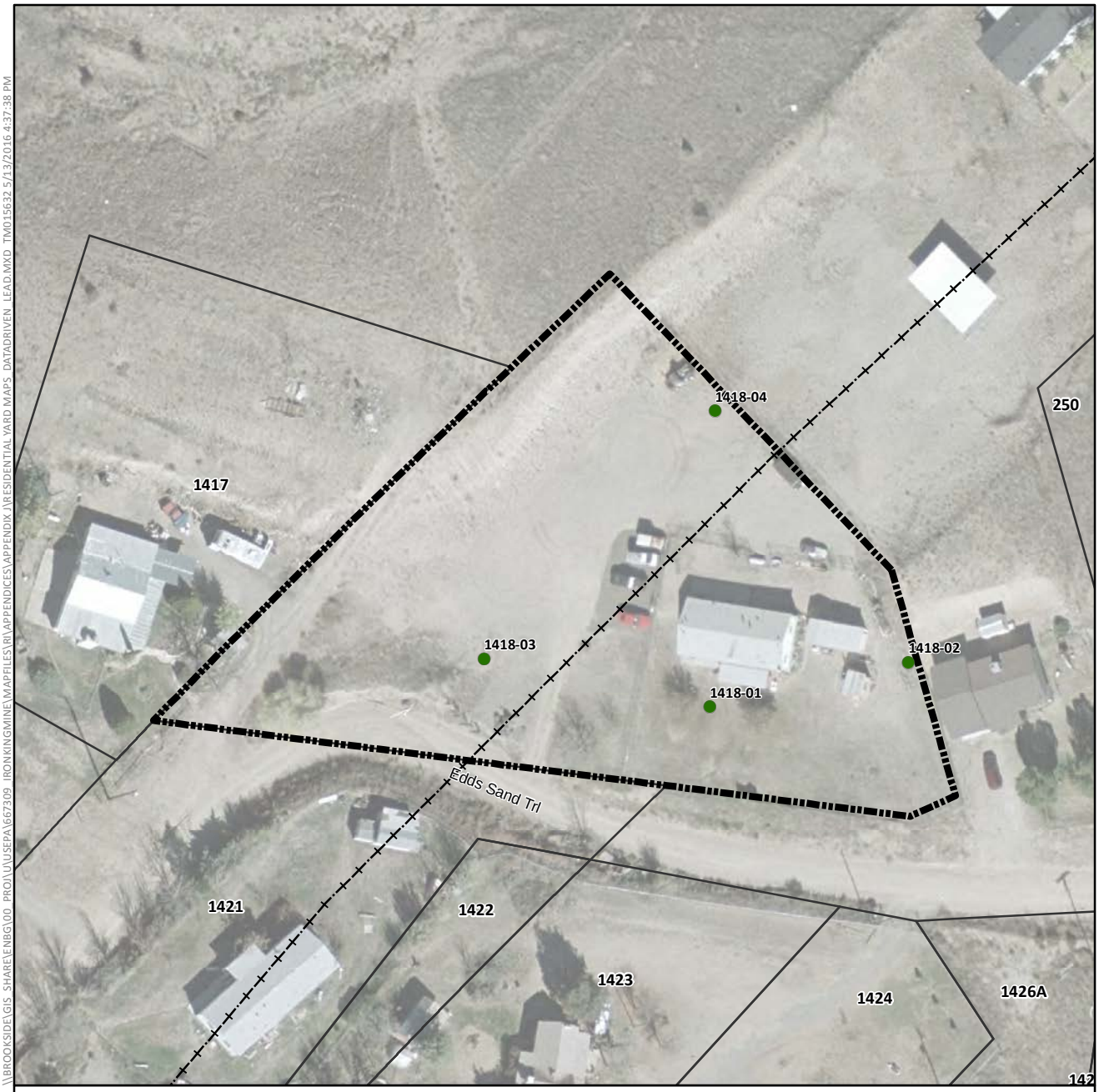


0 90
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1417 (Page 84 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



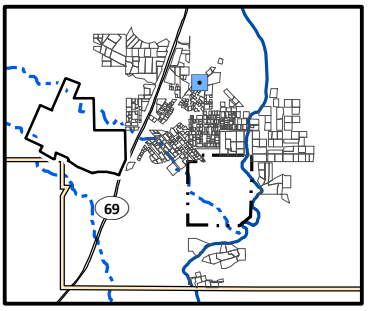
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

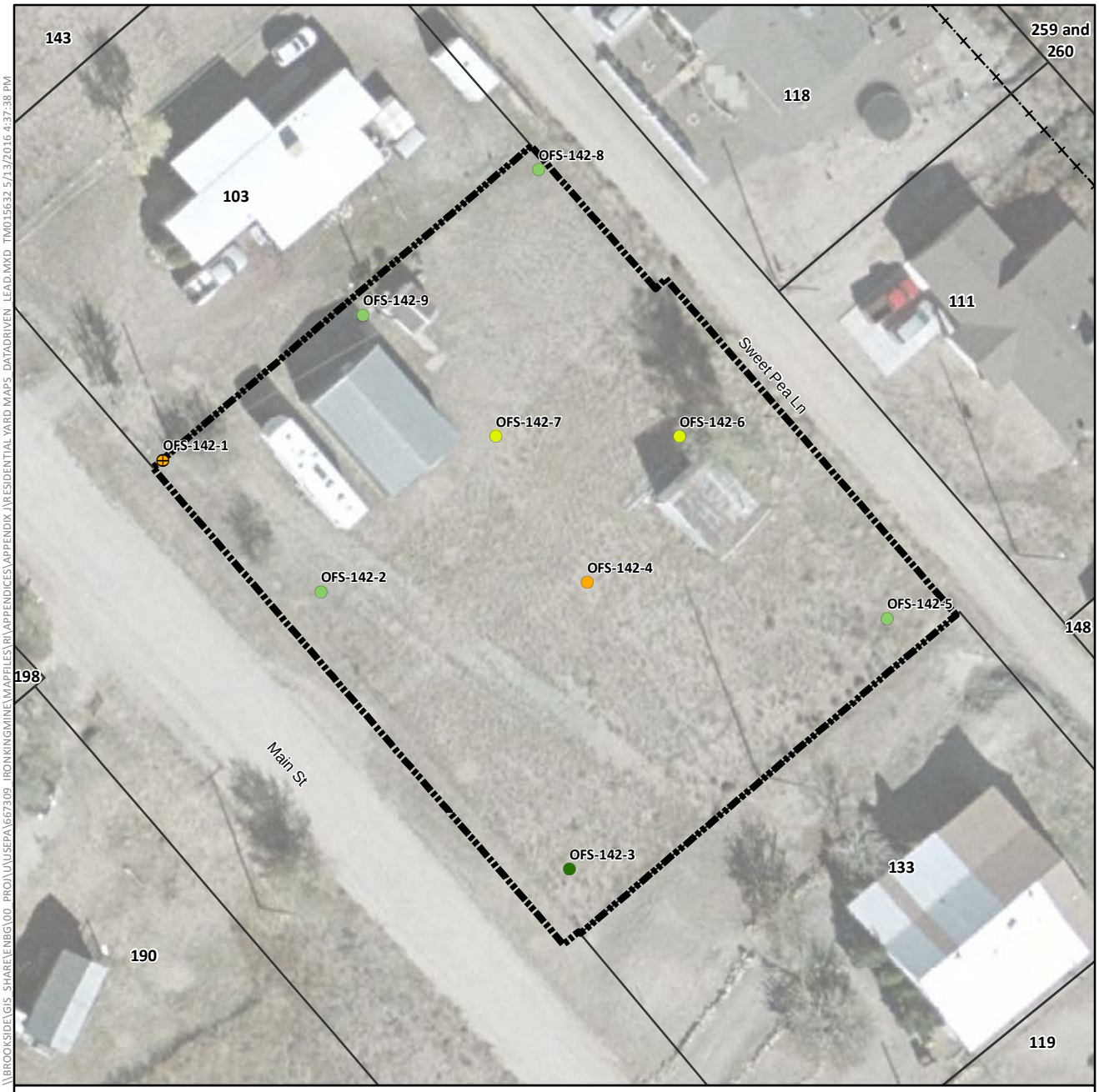
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 125
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1418 (Page 85 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



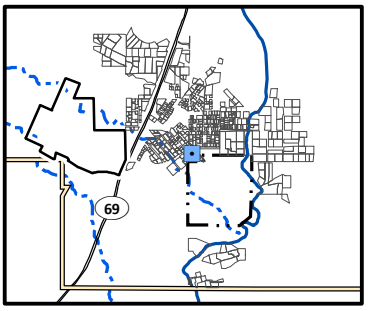
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 142 (Page 86 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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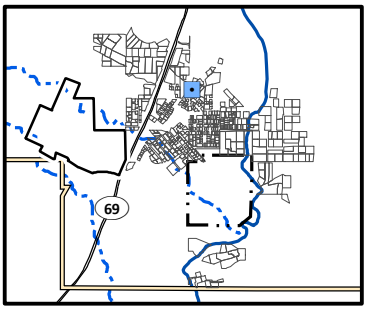


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

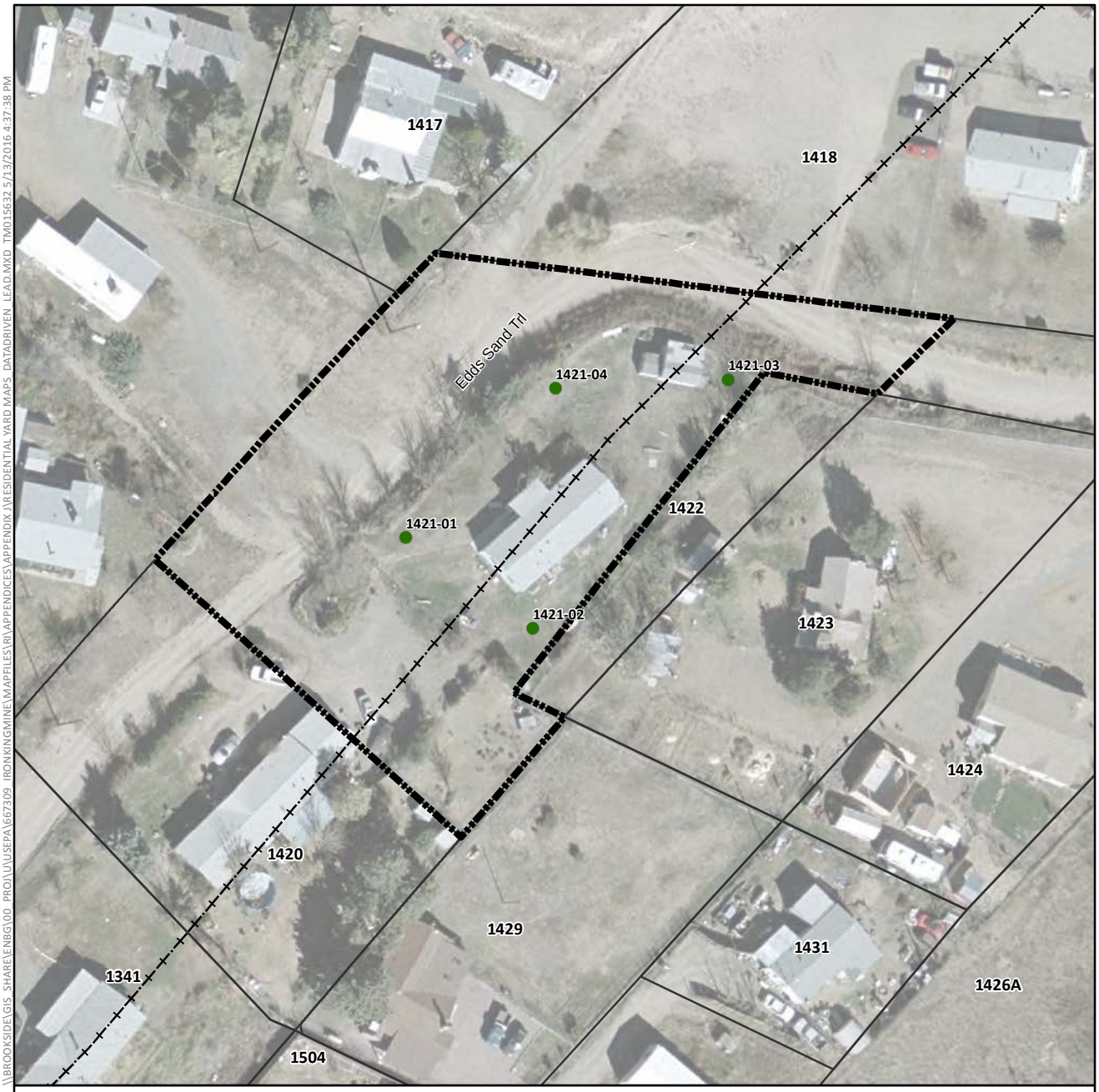


0 75
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1420 (Page 87 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



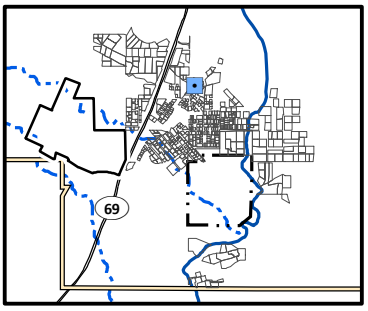
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 125
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1421 (Page 88 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



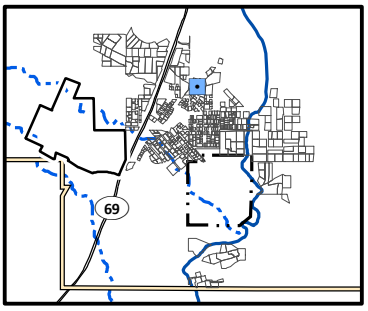
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1422 (Page 89 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



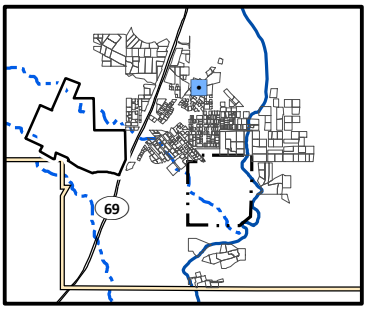
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

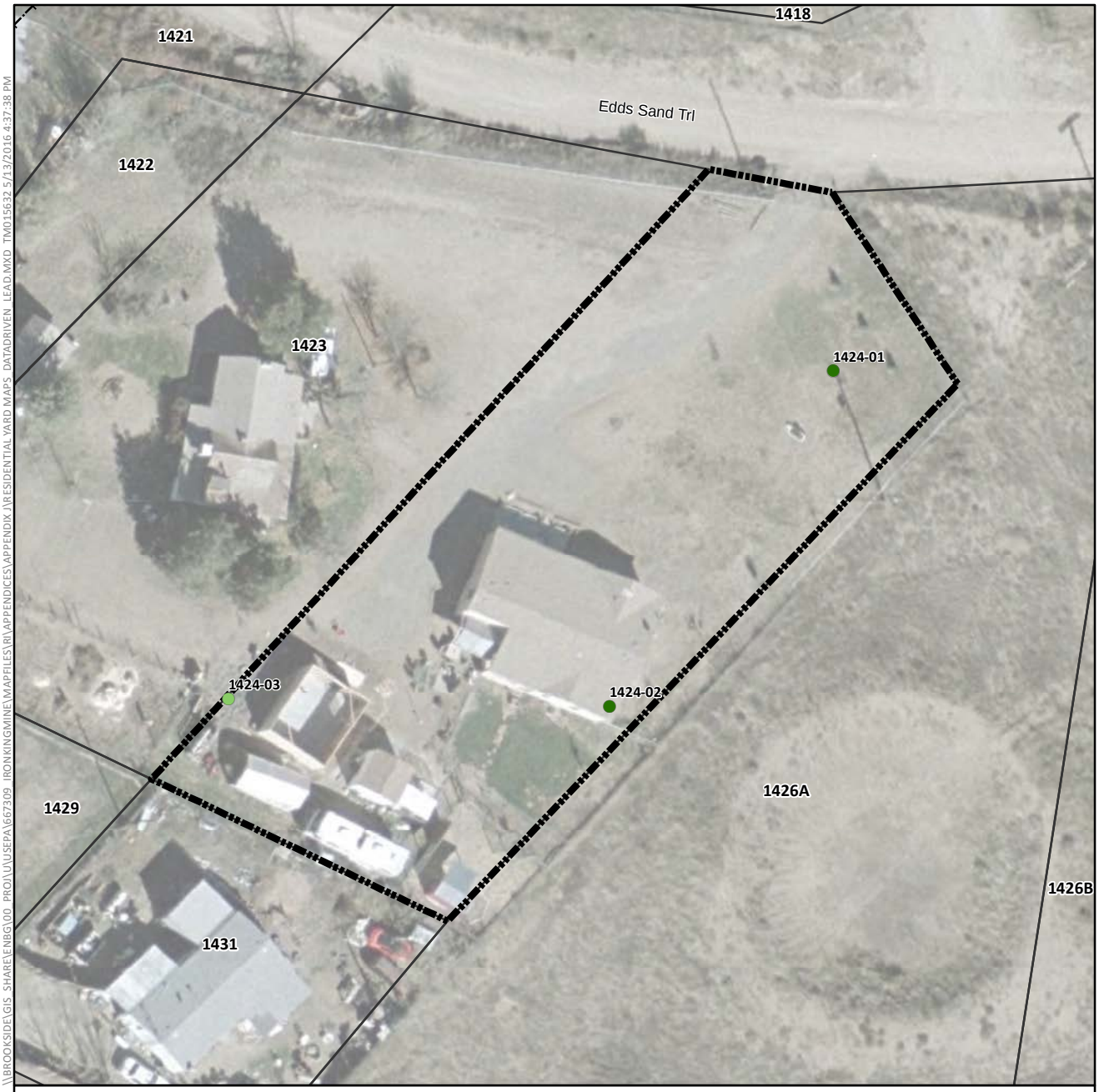
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1423 (Page 90 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



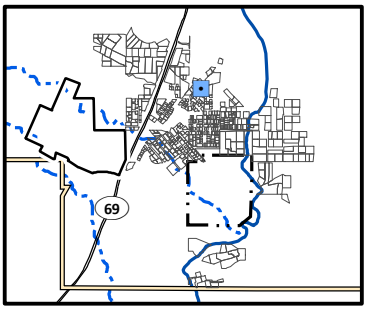
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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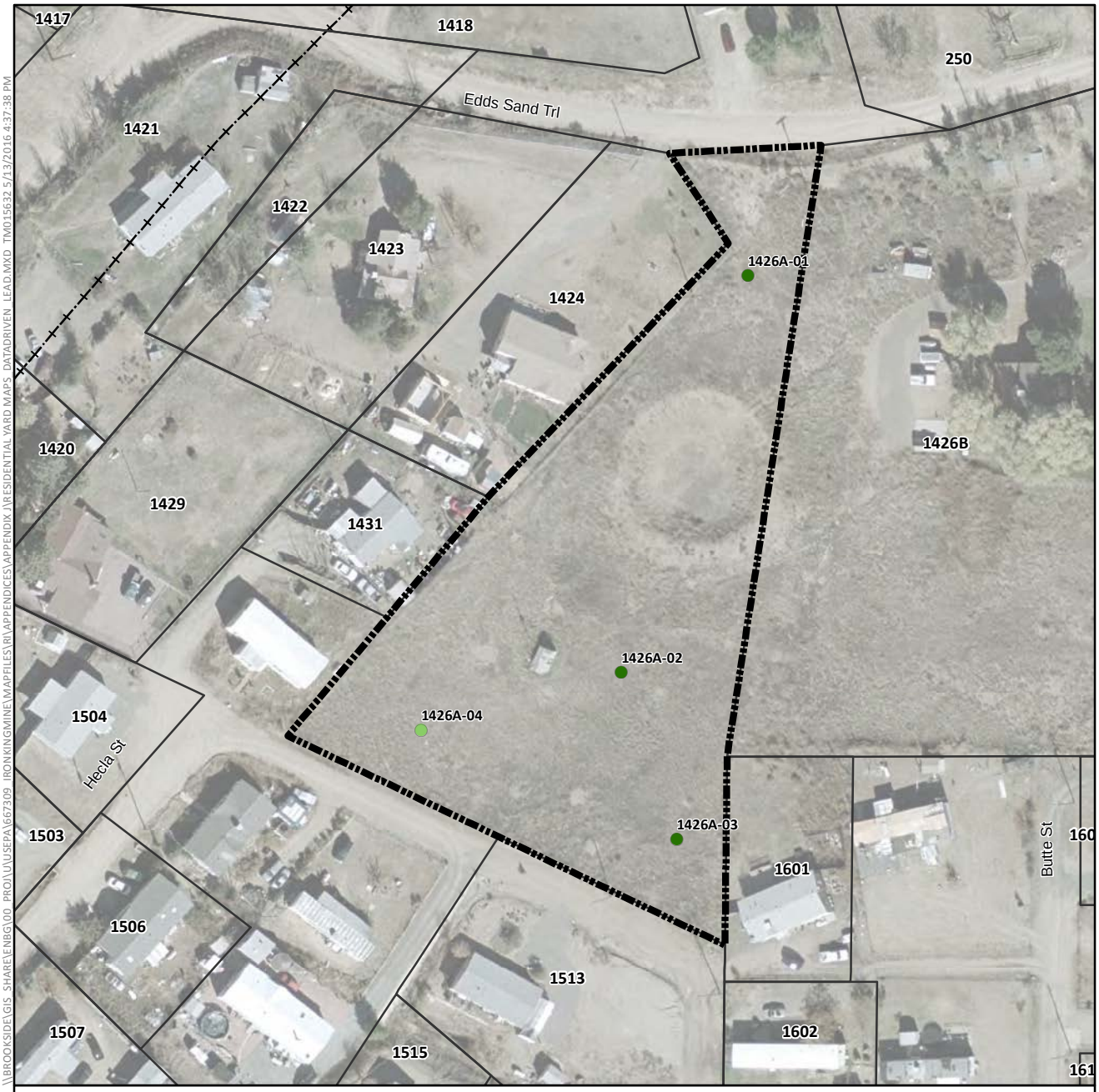


0 75
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1424 (Page 91 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



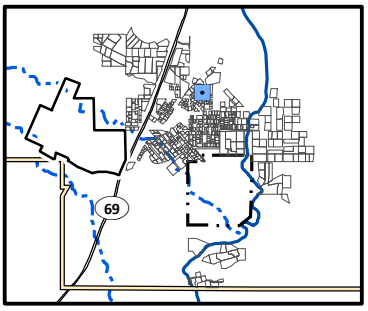
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

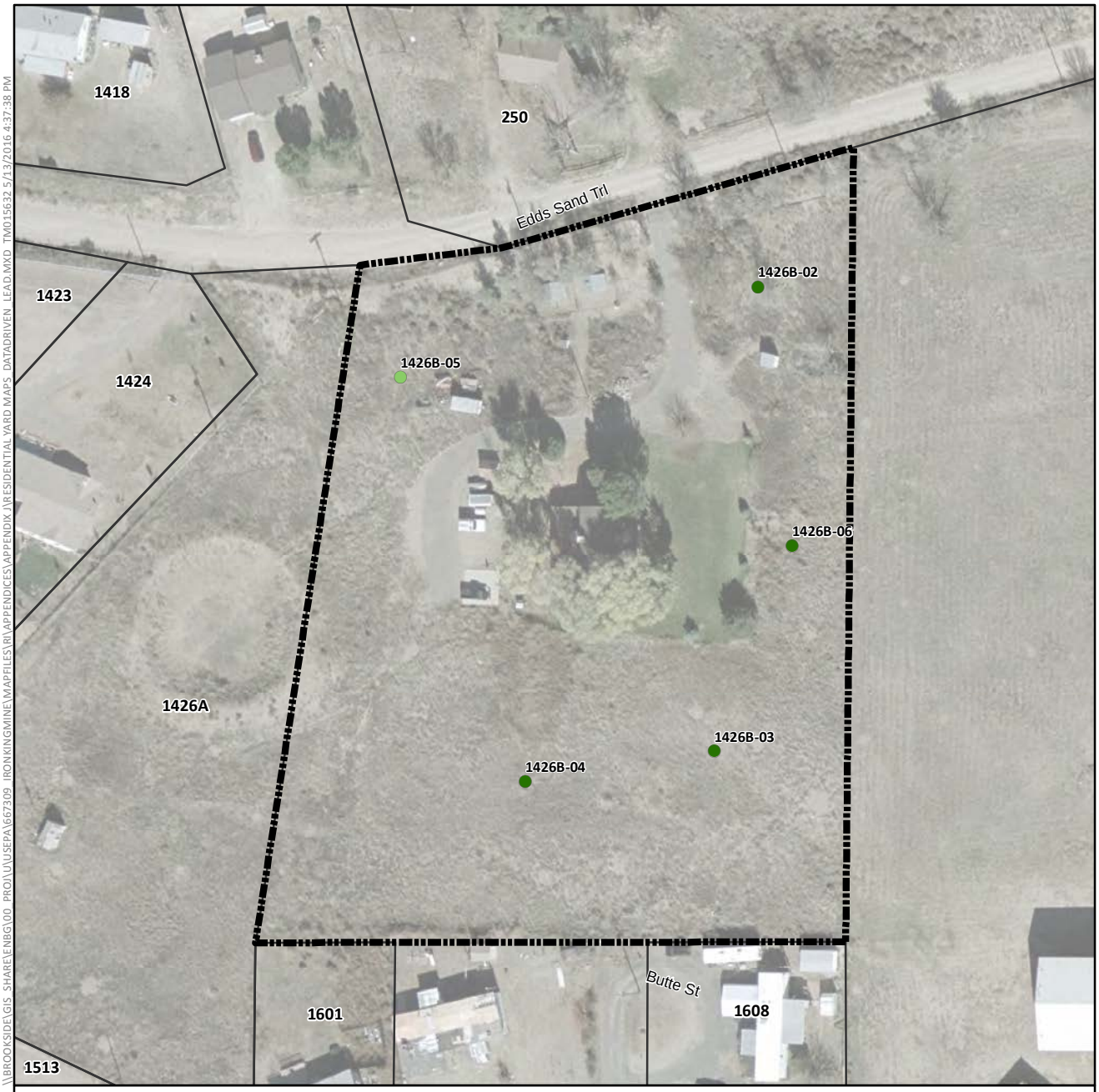


0 160
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1426A (Page 92 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



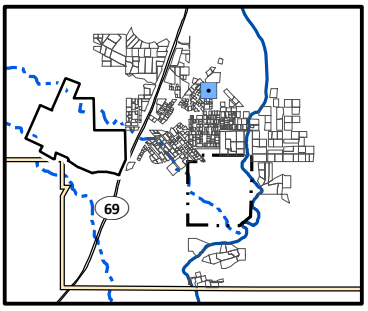
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1426B (Page 93 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



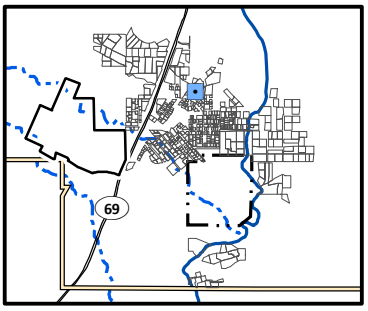
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

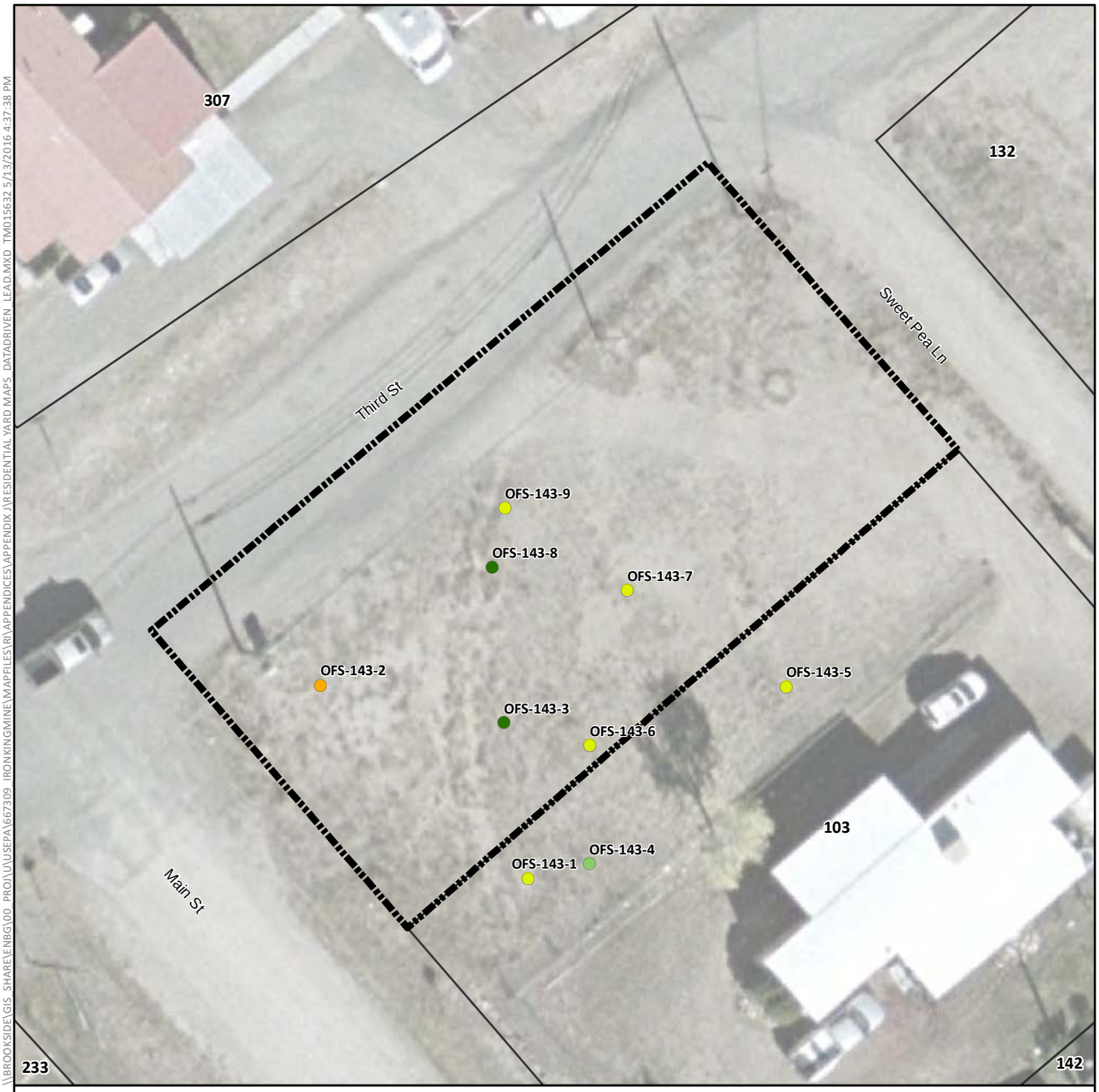


0 75
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1429 (Page 94 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



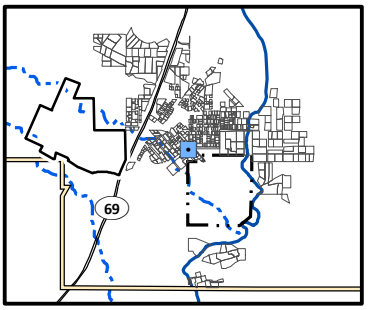
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 143 (Page 95 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



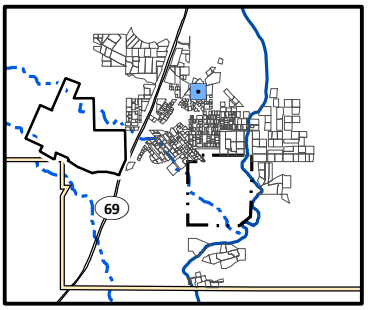
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Lead Concentration in Surface Soil (mg/kg)

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- >1,200 to 2,400
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1431 (Page 96 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



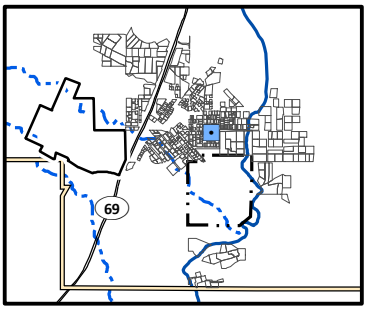
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
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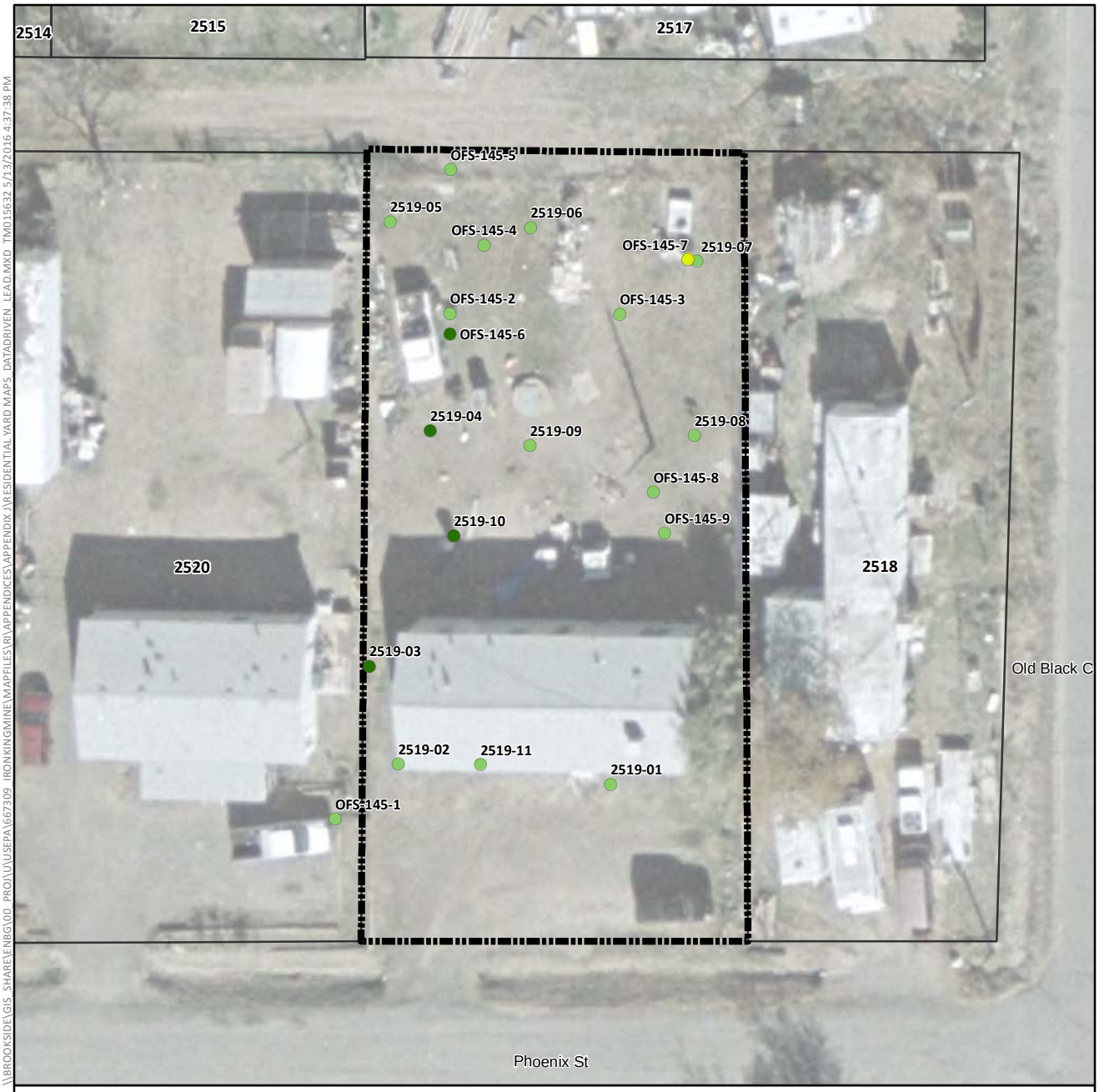


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 144 (Page 97 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



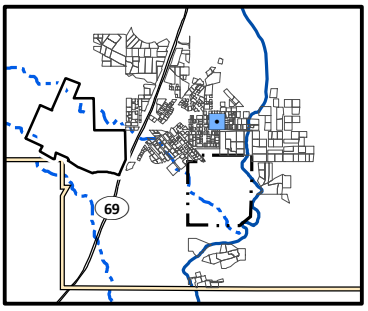
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Lead Concentration in Surface Soil (mg/kg)

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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
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0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 145 (Page 98 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



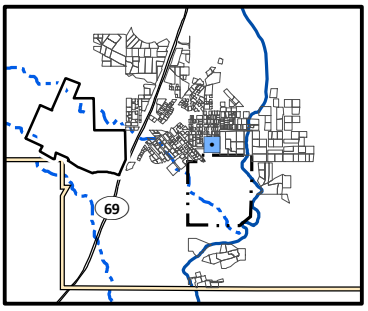
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
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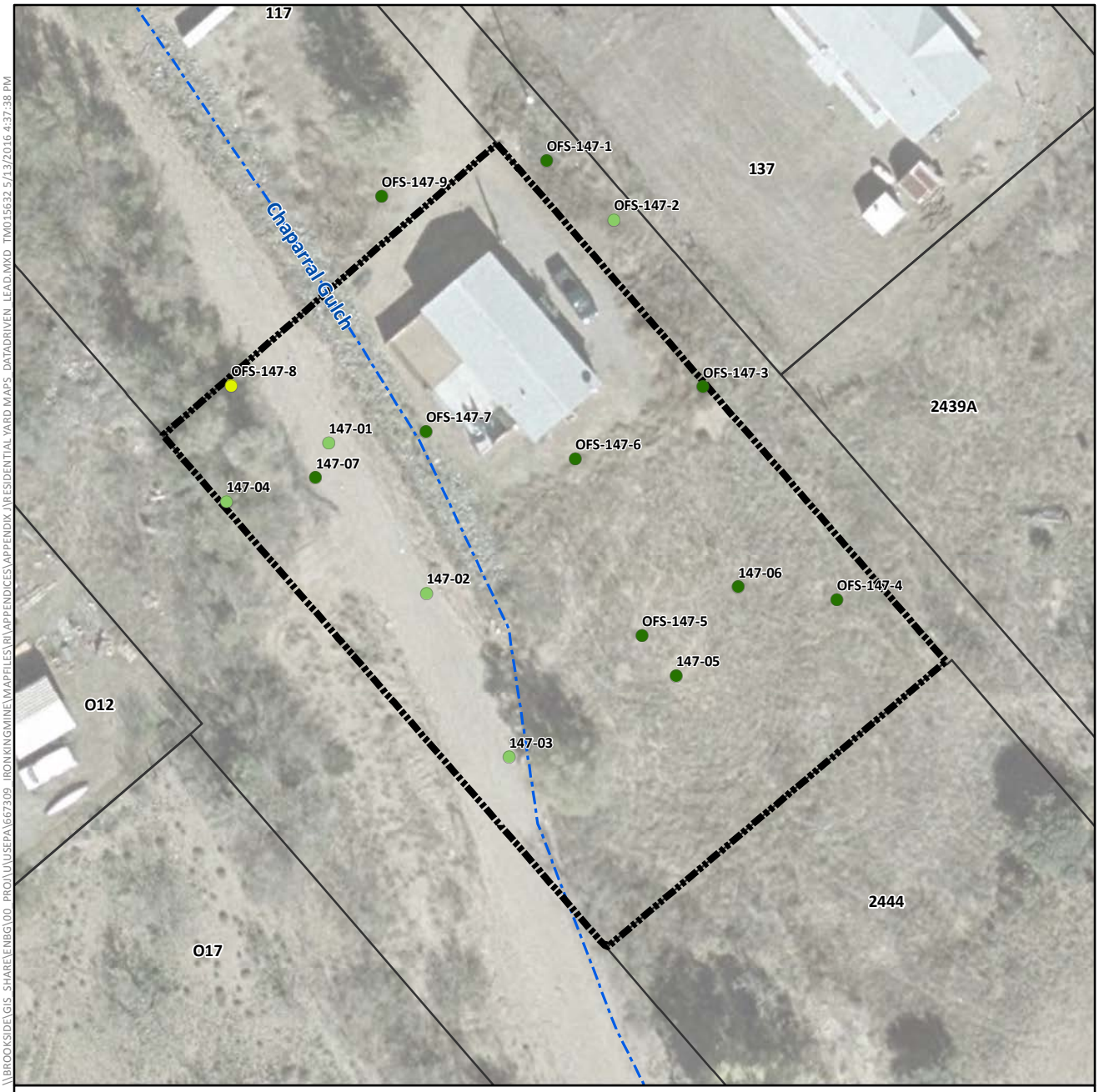


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 146 (Page 99 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



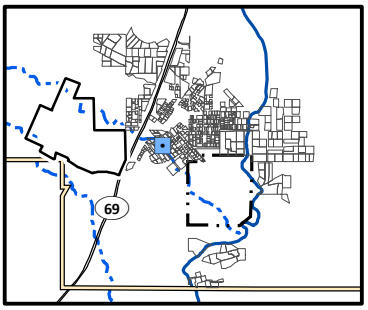
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 147 (Page 100 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



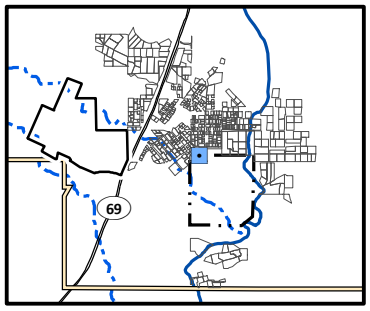
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Lead Concentration in Surface Soil (mg/kg)

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- Yard Location in Vicinity Map Inset
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 148 (Page 101 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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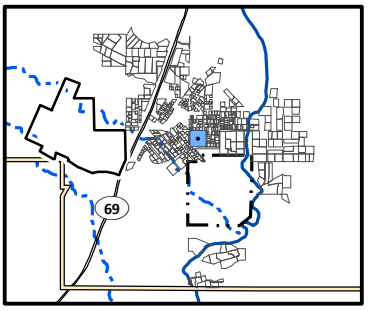


Lead Concentration in Surface Soil (mg/kg)

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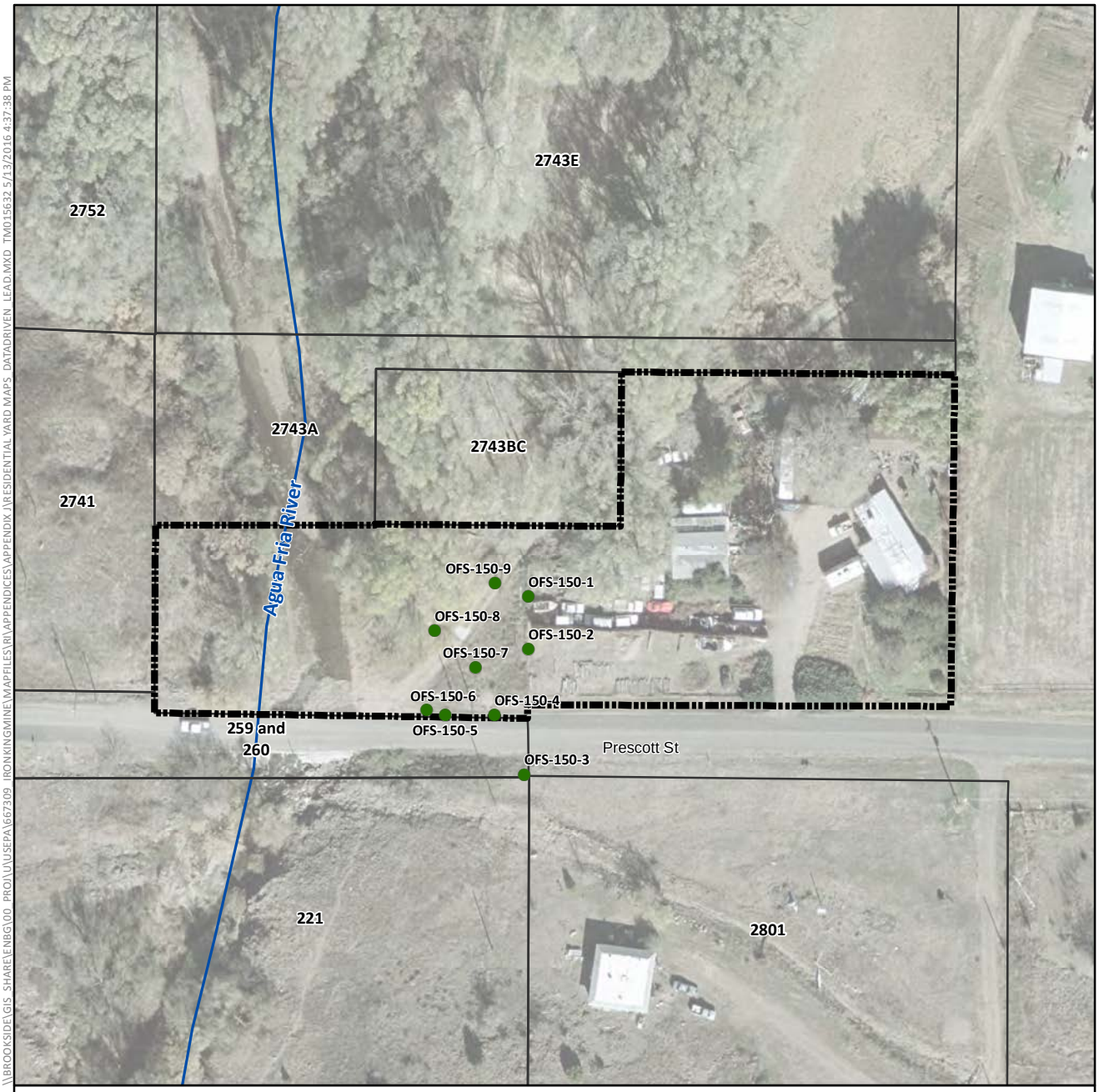


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 149 (Page 102 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



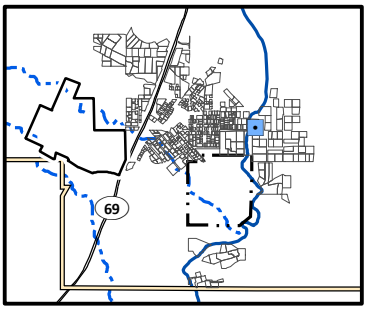
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Lead Concentration in Surface Soil (mg/kg)

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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
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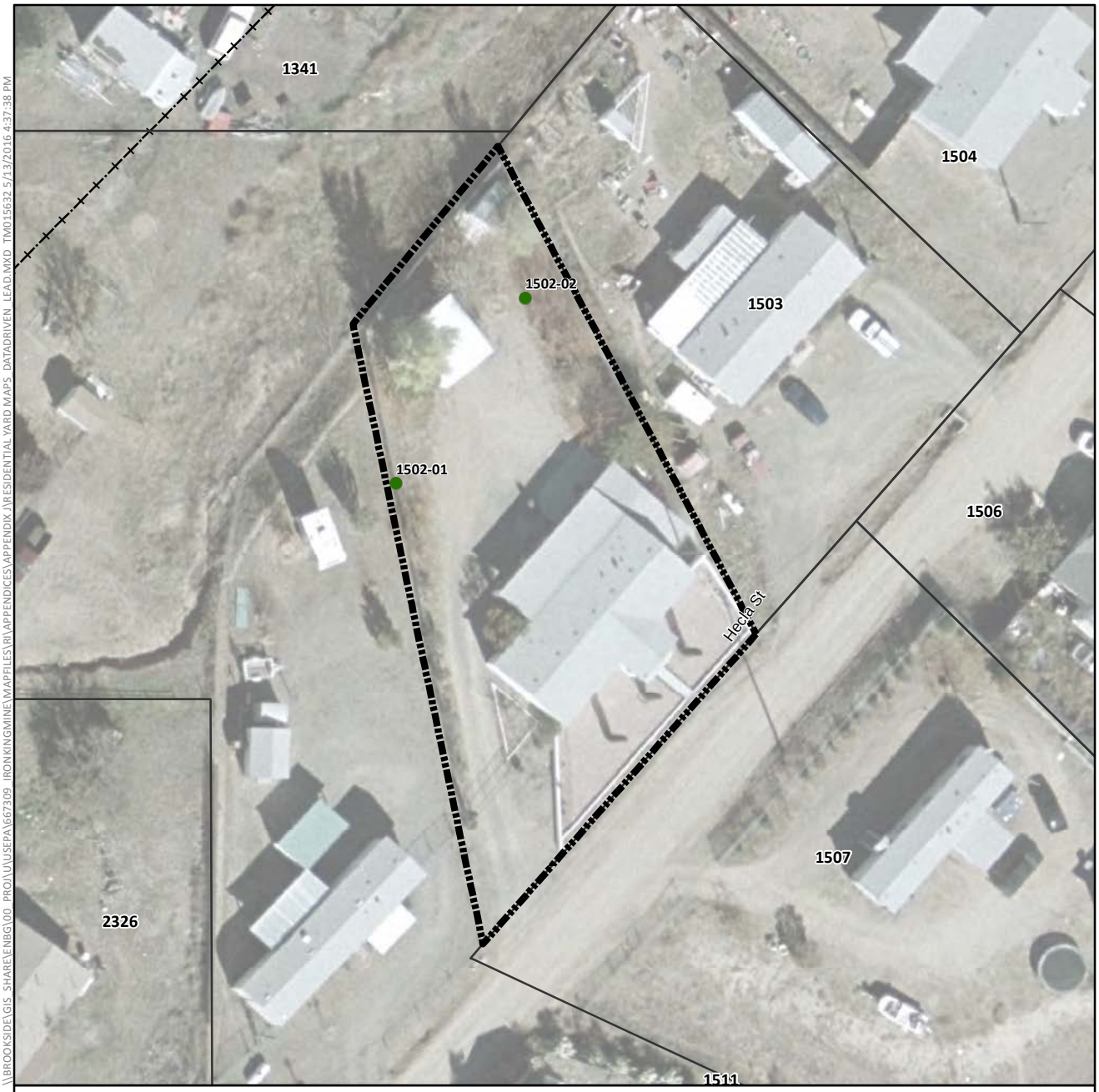


0 150
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 150 (Page 103 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



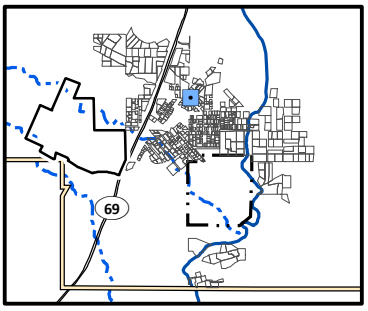
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Lead Concentration in Surface Soil (mg/kg)

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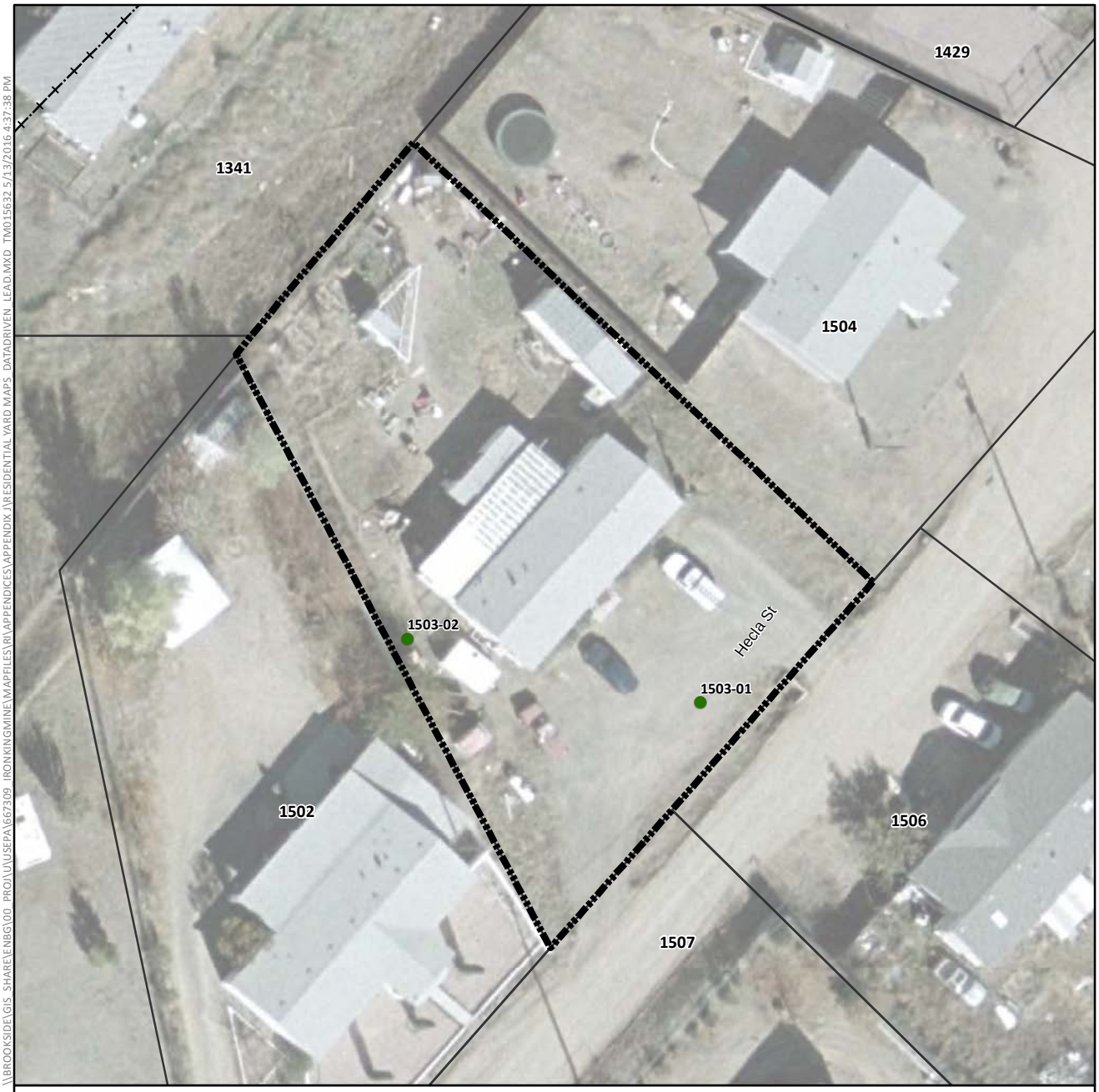


0 75
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1502 (Page 104 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



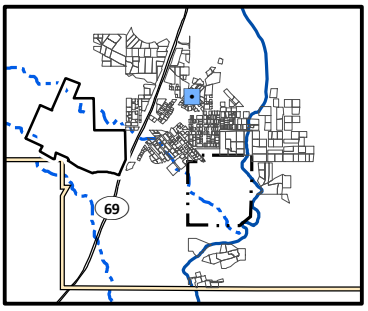
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

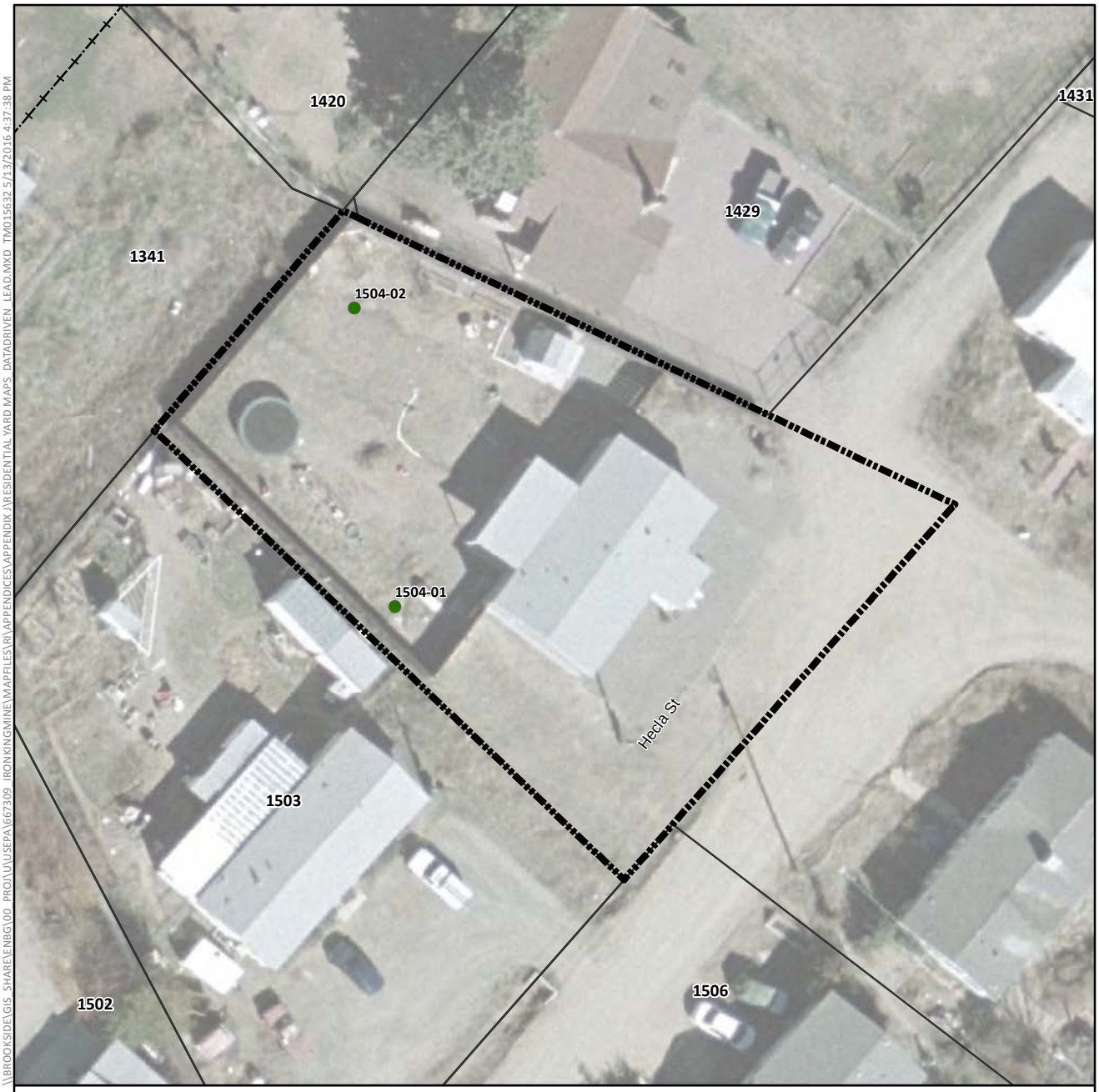


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1503 (Page 105 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



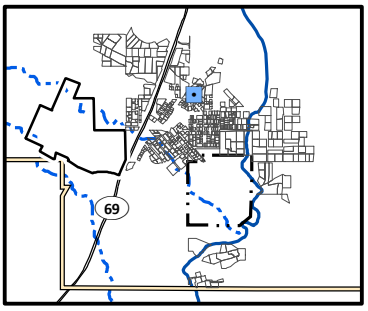
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1504 (Page 106 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



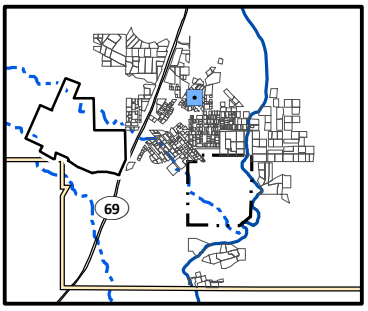
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

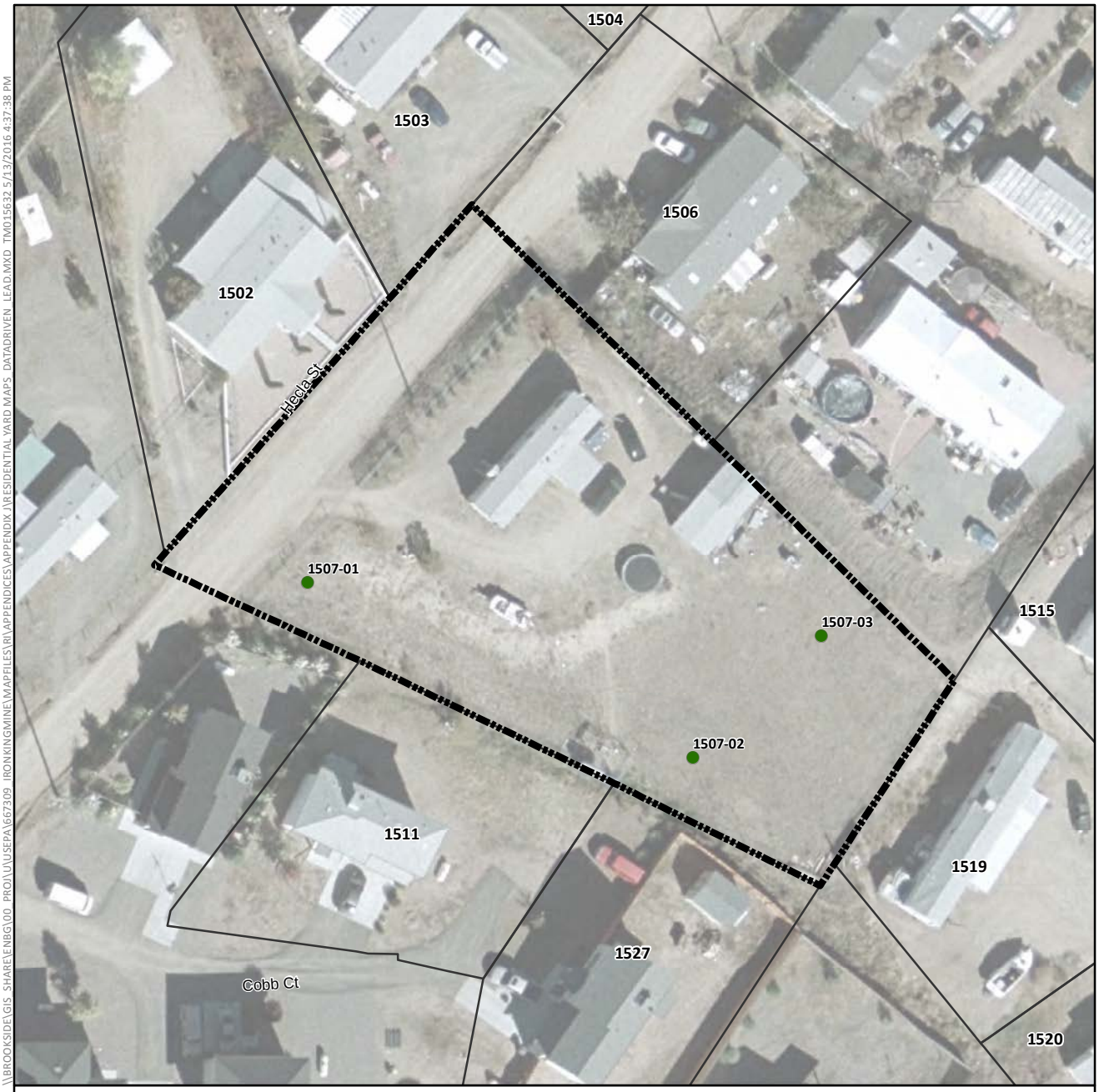


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1506 (Page 107 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



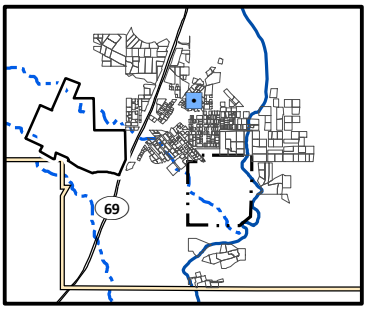
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

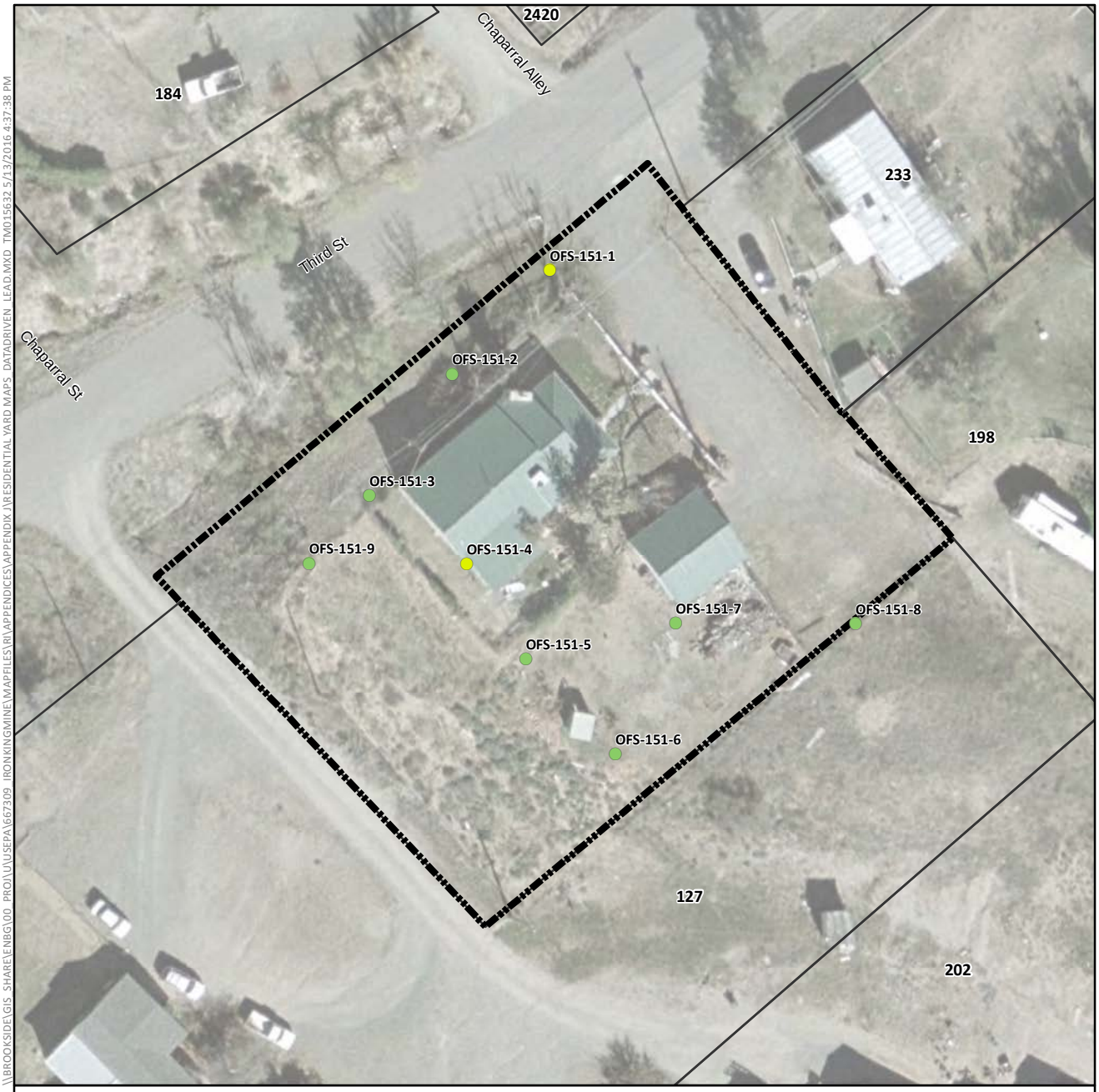
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1507 (Page 108 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



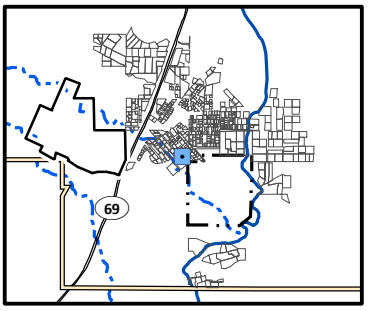
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

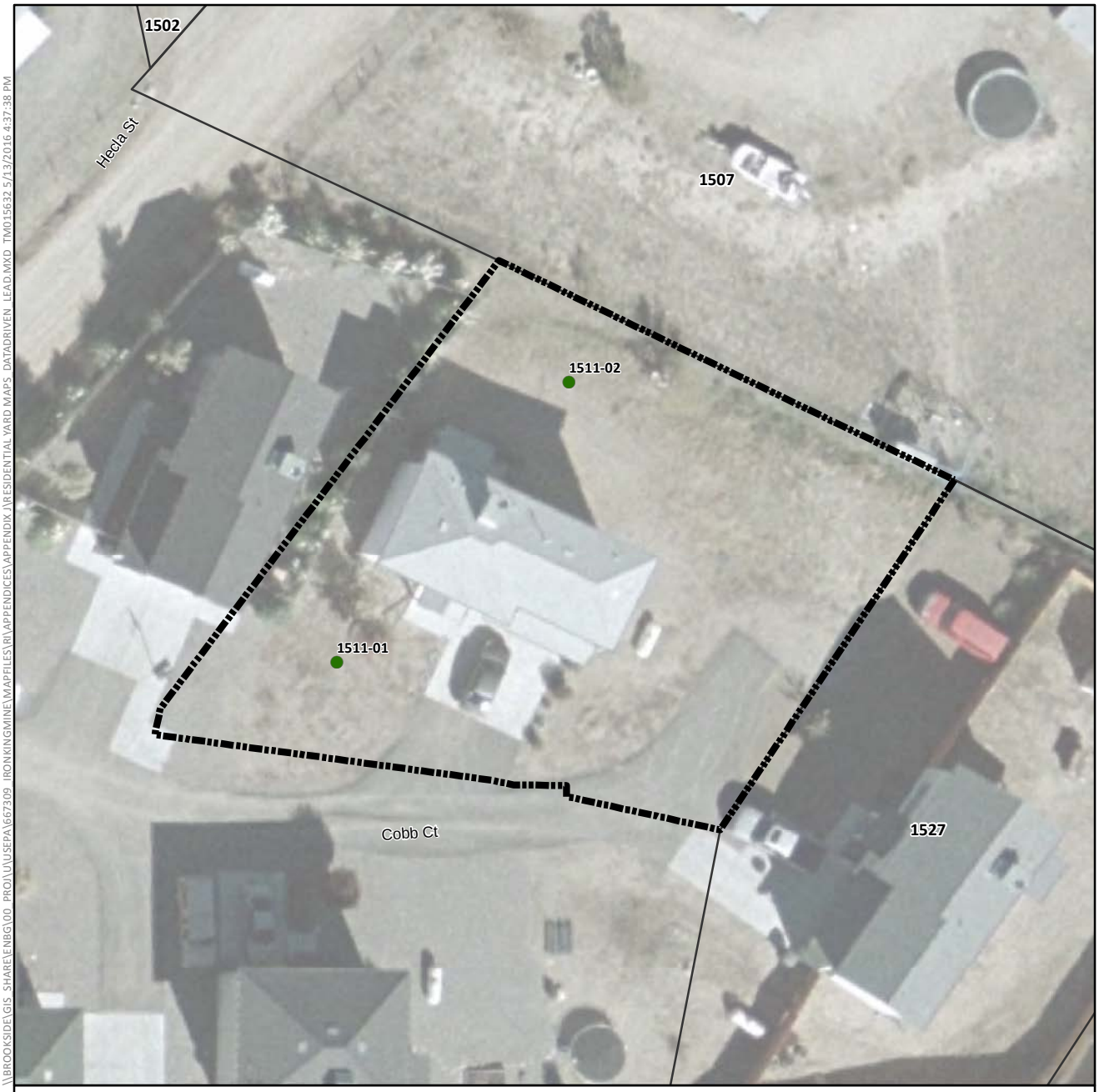
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 151 (Page 109 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



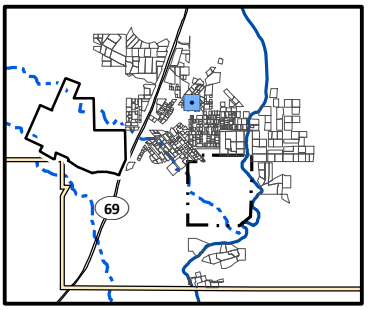
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

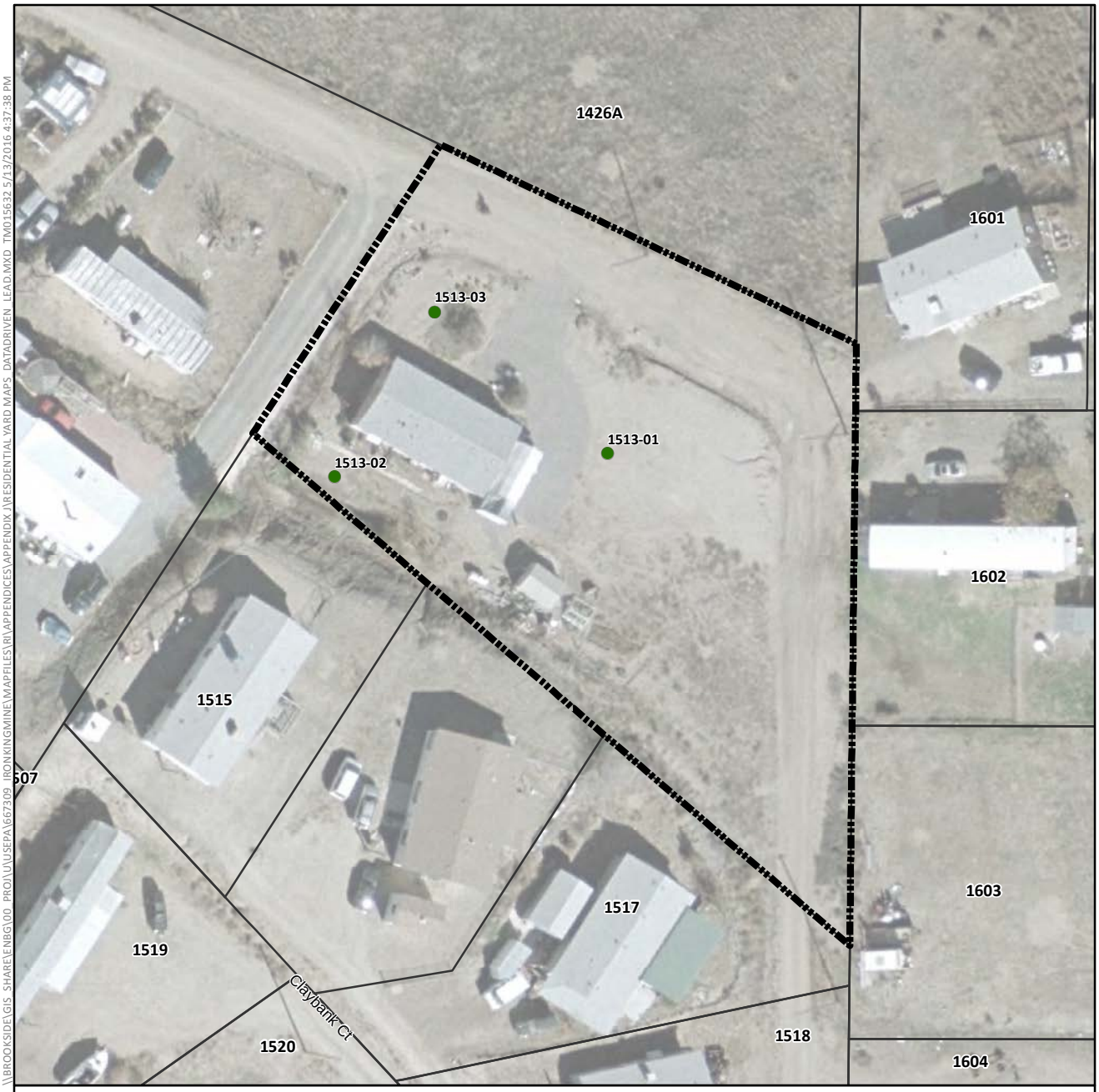
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1511 (Page 110 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



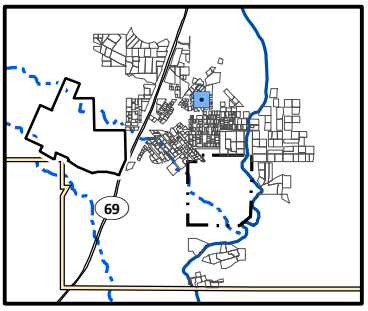
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1513 (Page 111 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



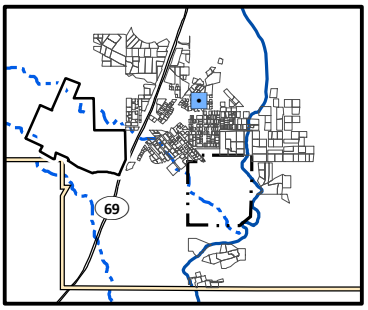
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

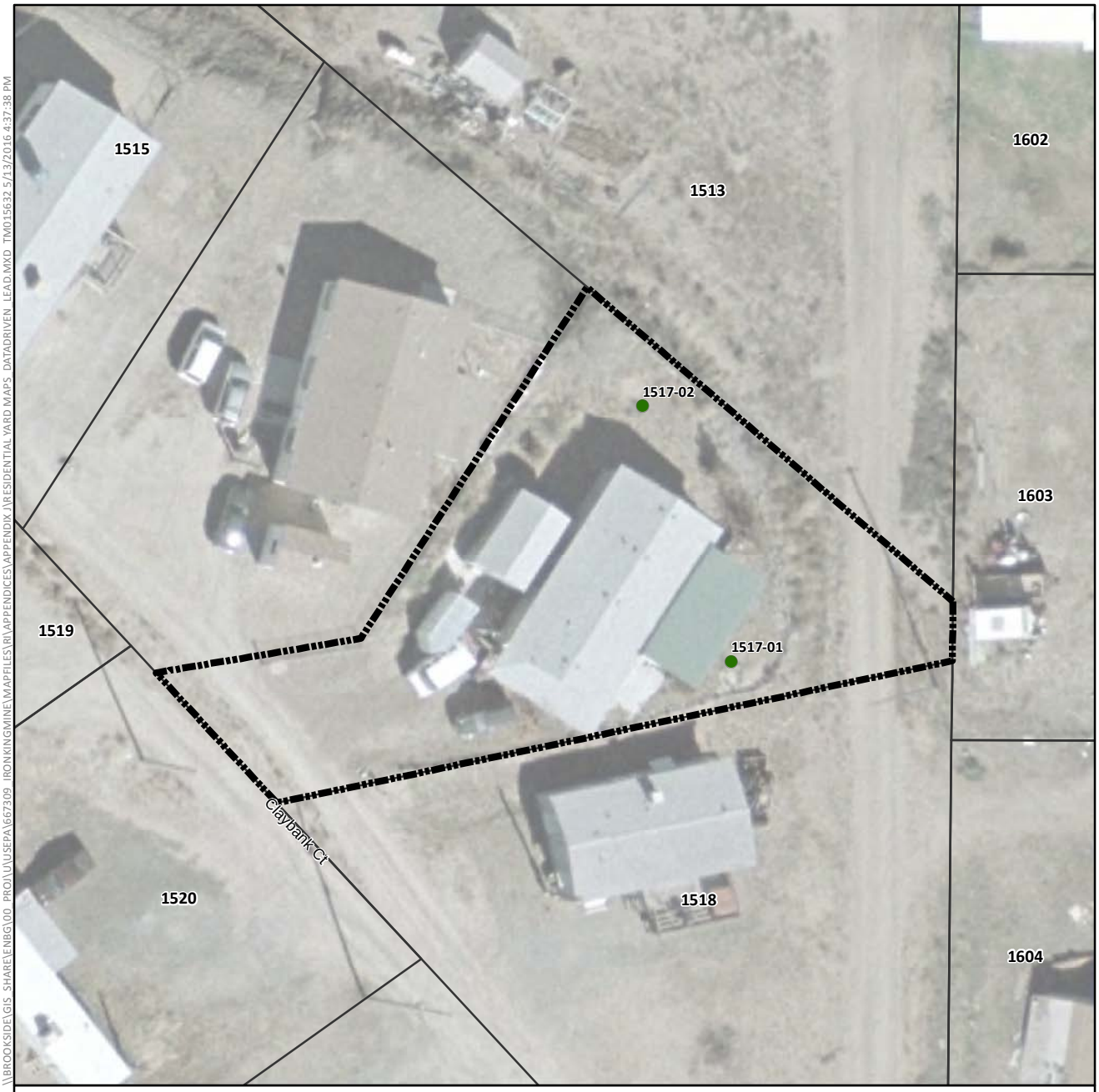


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1515 (Page 112 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



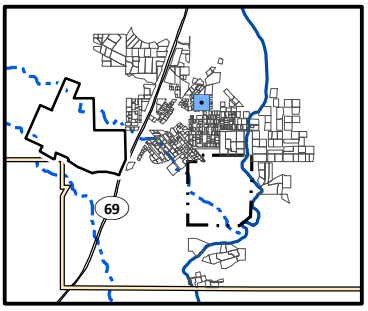
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

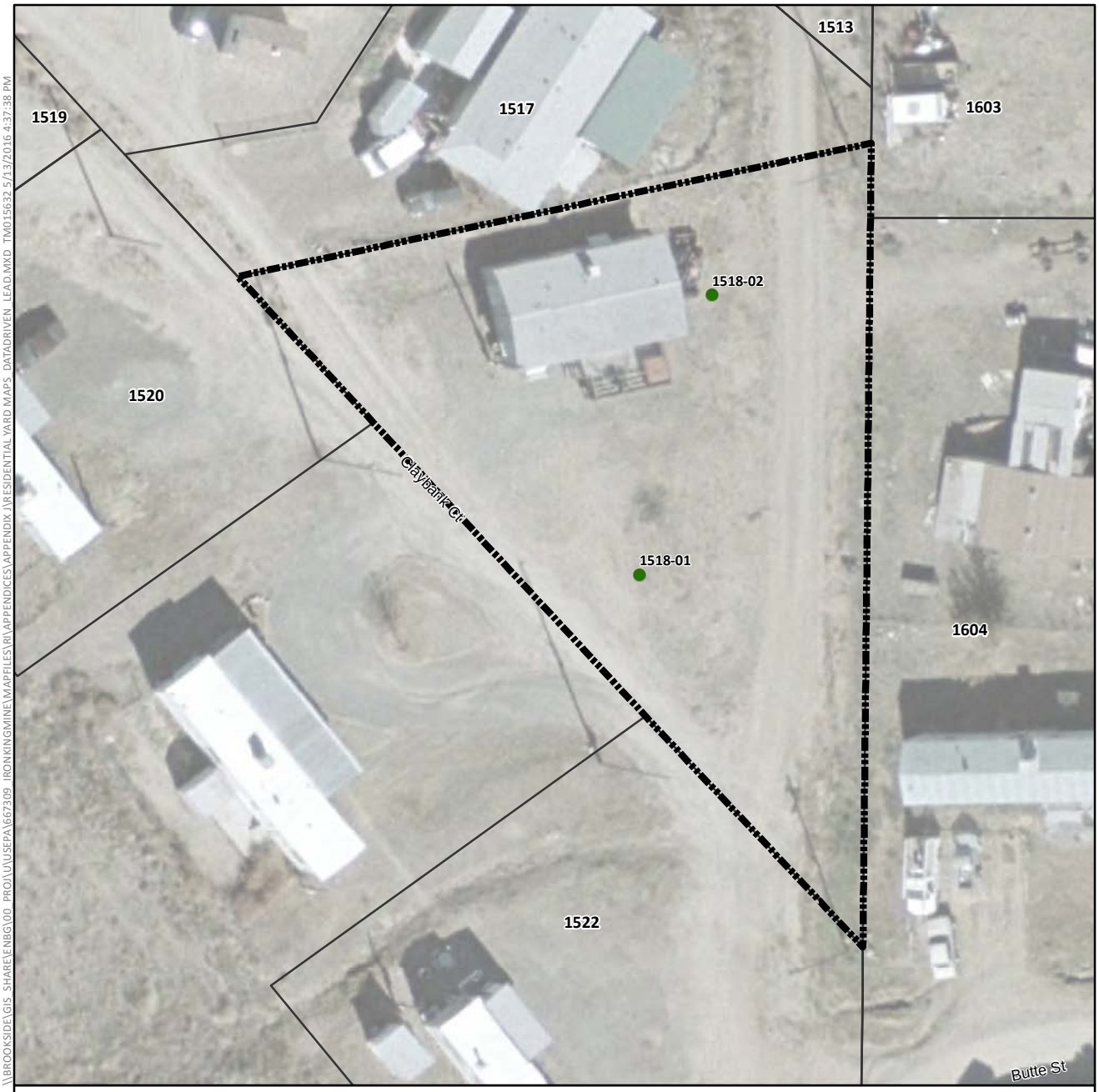


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1517 (Page 113 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



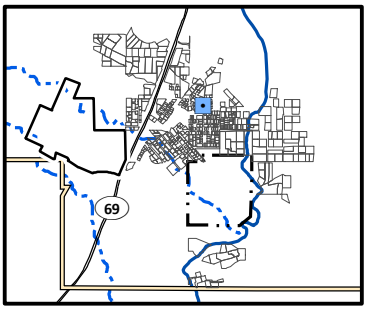
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1518 (Page 114 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

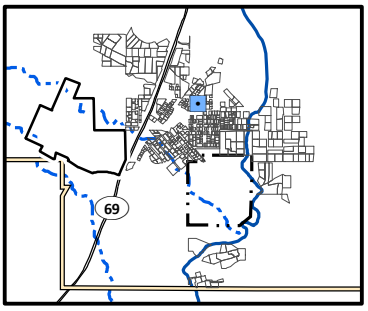


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1519 (Page 115 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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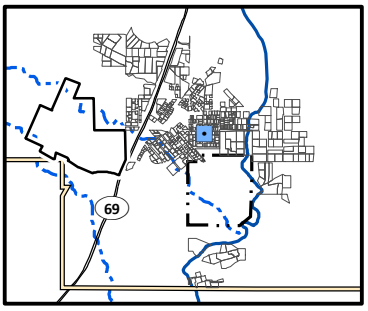
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 152 (Page 116 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



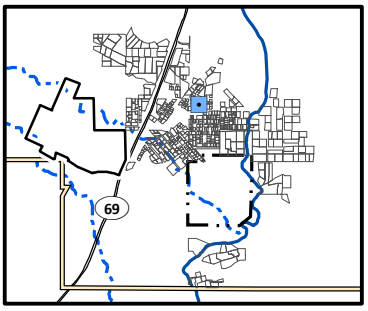
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

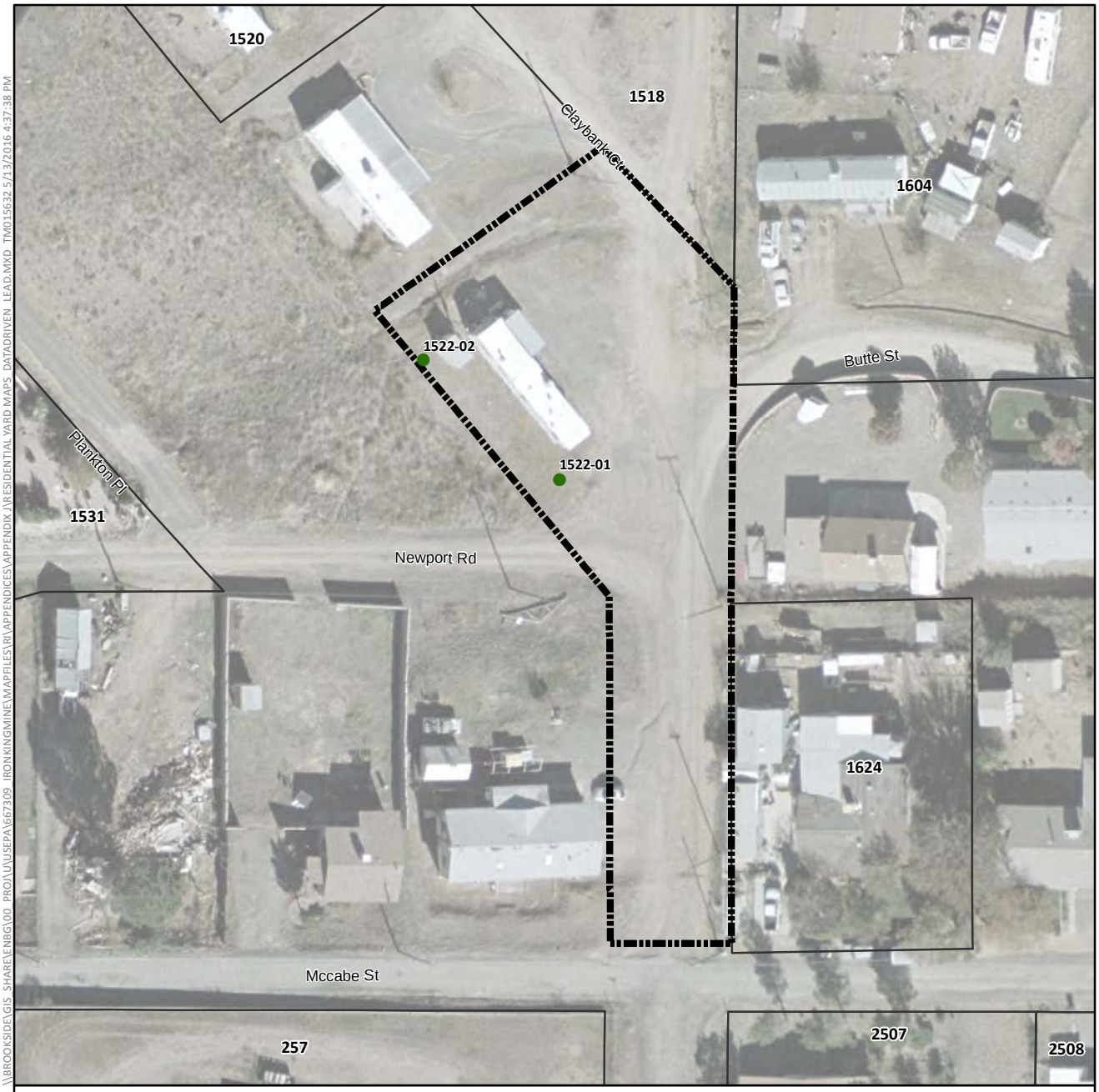


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1520 (Page 117 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



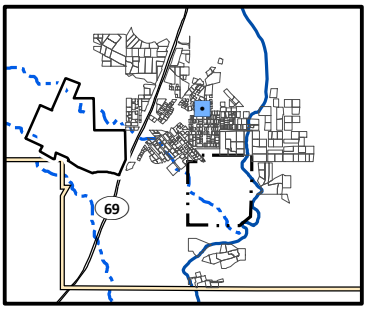
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1522 (Page 118 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



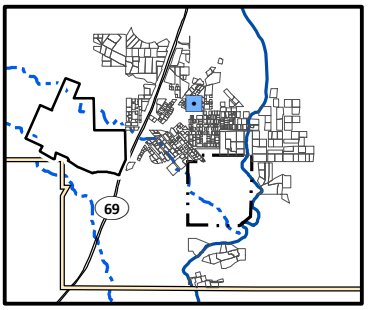
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

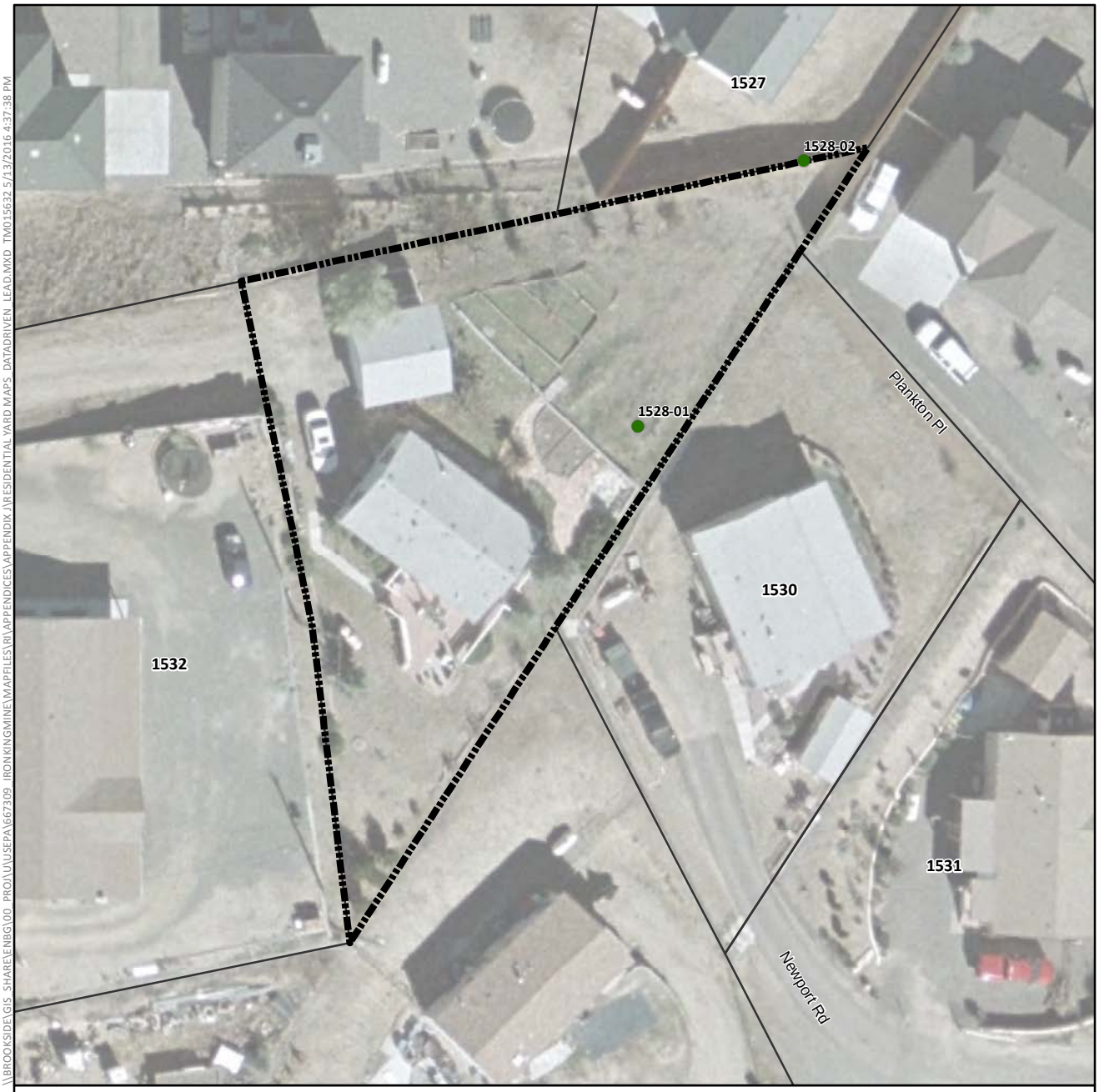


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1527 (Page 119 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



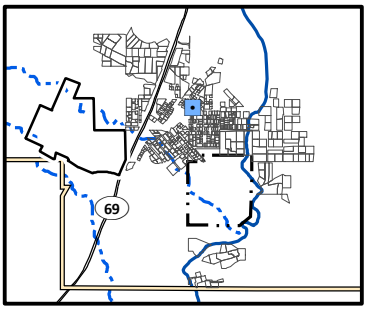
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1528 (Page 120 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



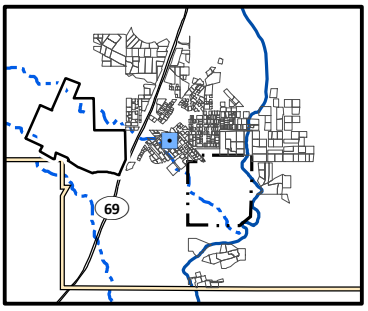
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

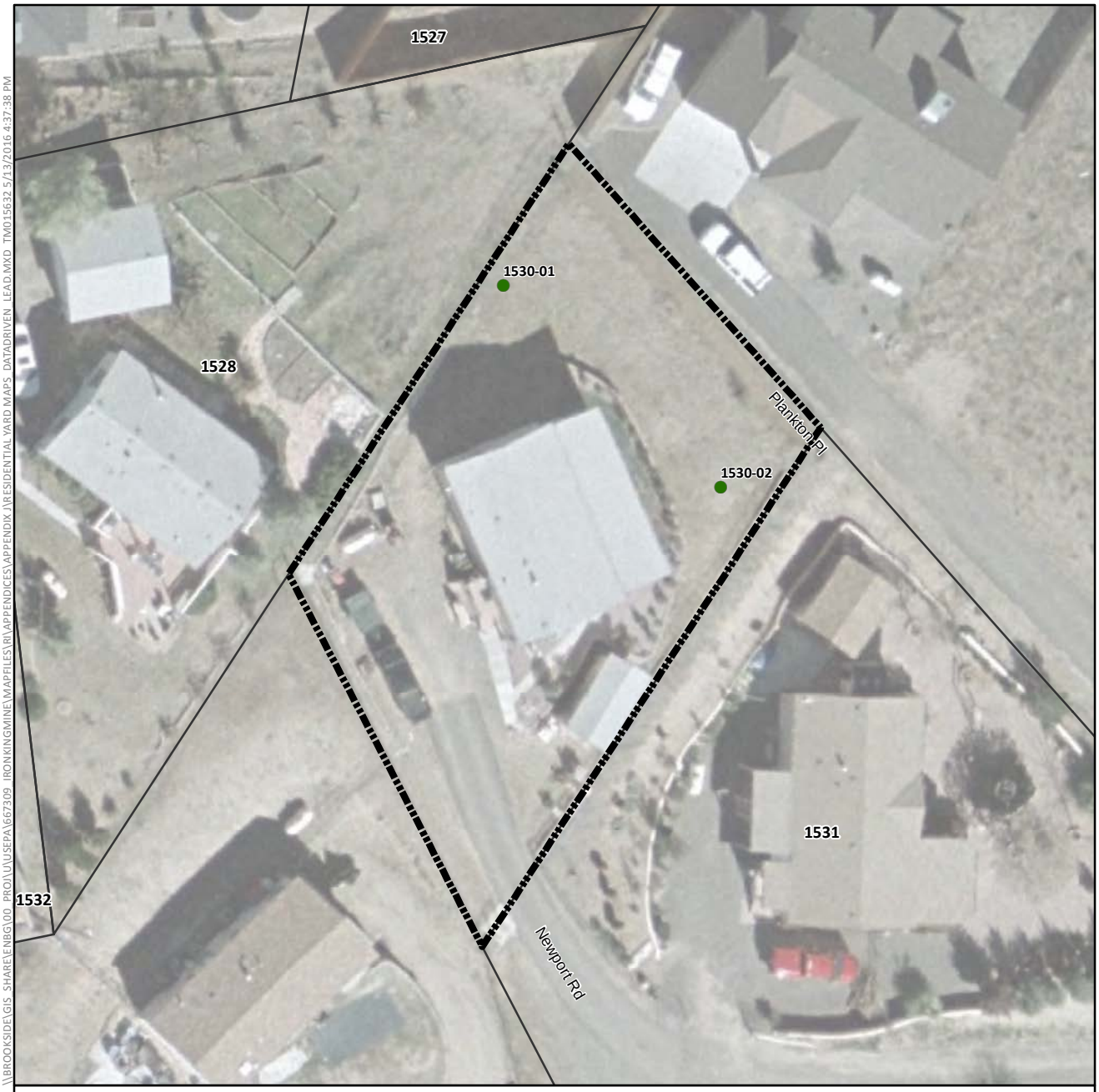


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 153 (Page 121 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



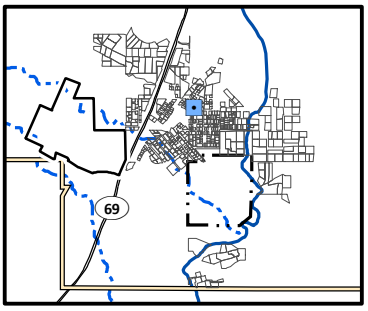
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1530 (Page 122 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



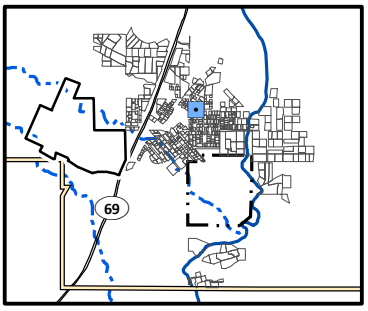
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1531 (Page 123 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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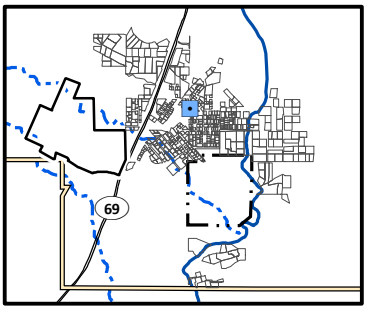


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1532 (Page 124 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



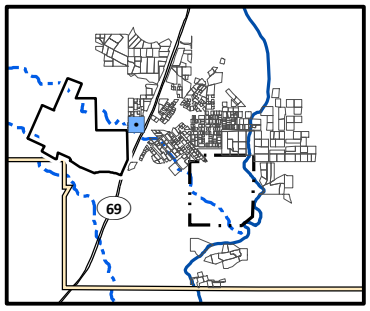
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 154 (Page 125 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



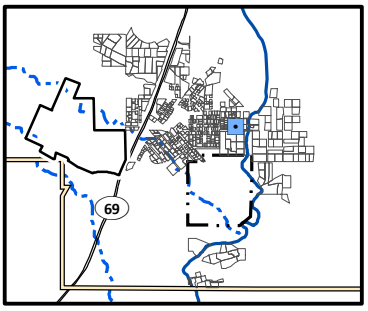
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 155 (Page 126 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



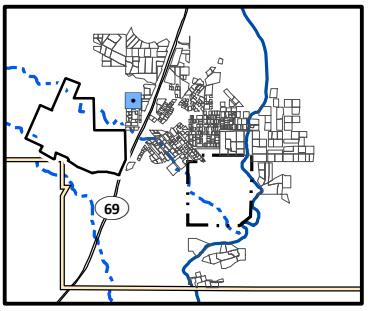
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 156 (Page 127 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



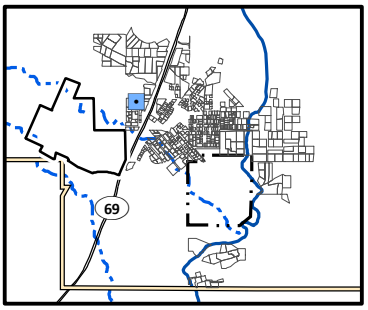
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 157 (Page 128 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



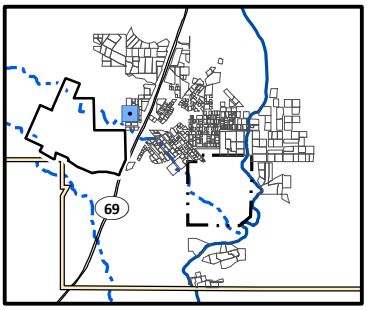
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

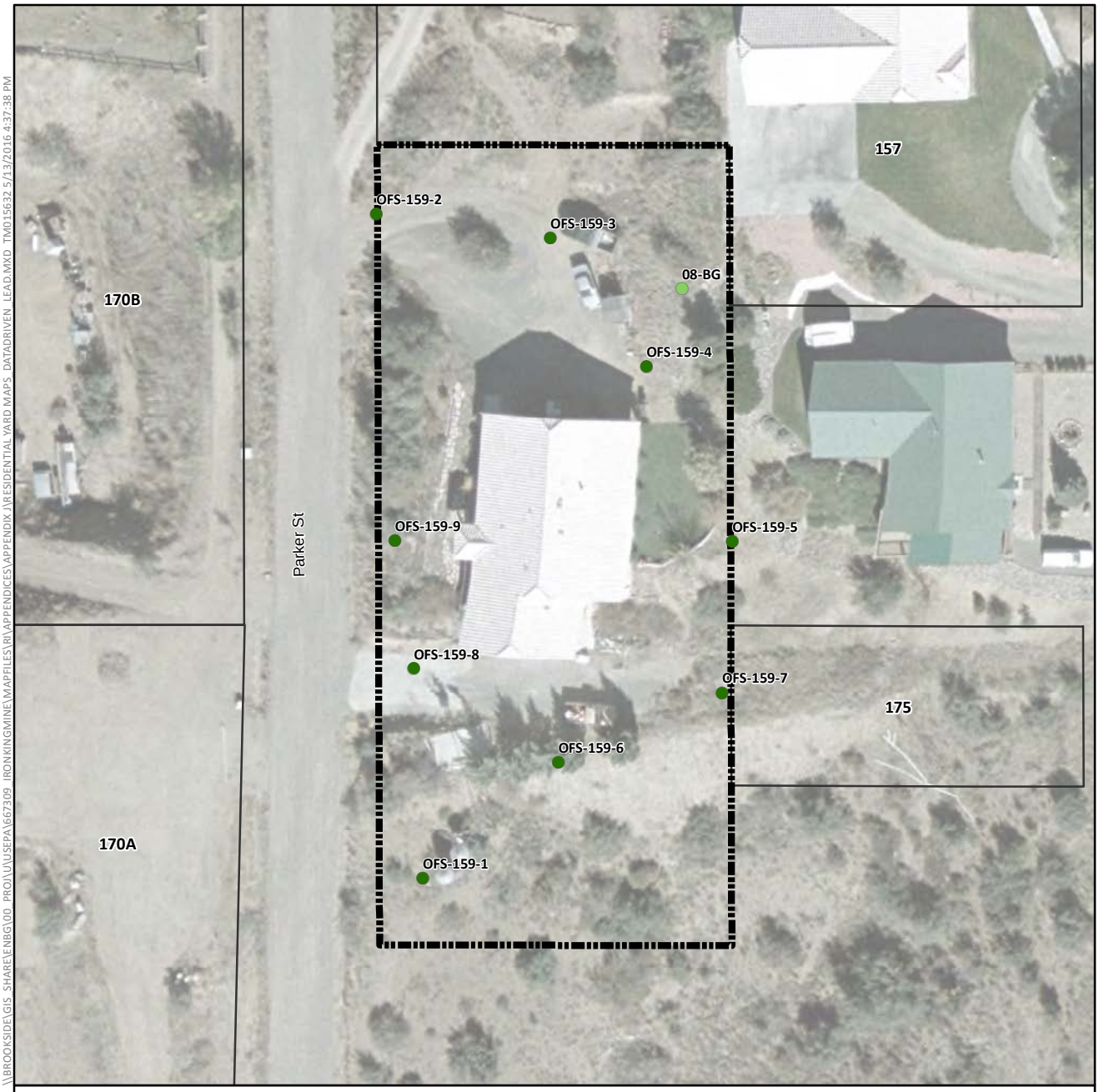
Notes:
RSL = EPA Regional Screening Level.
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 158 (Page 129 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



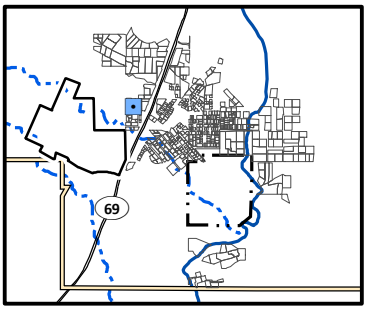
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

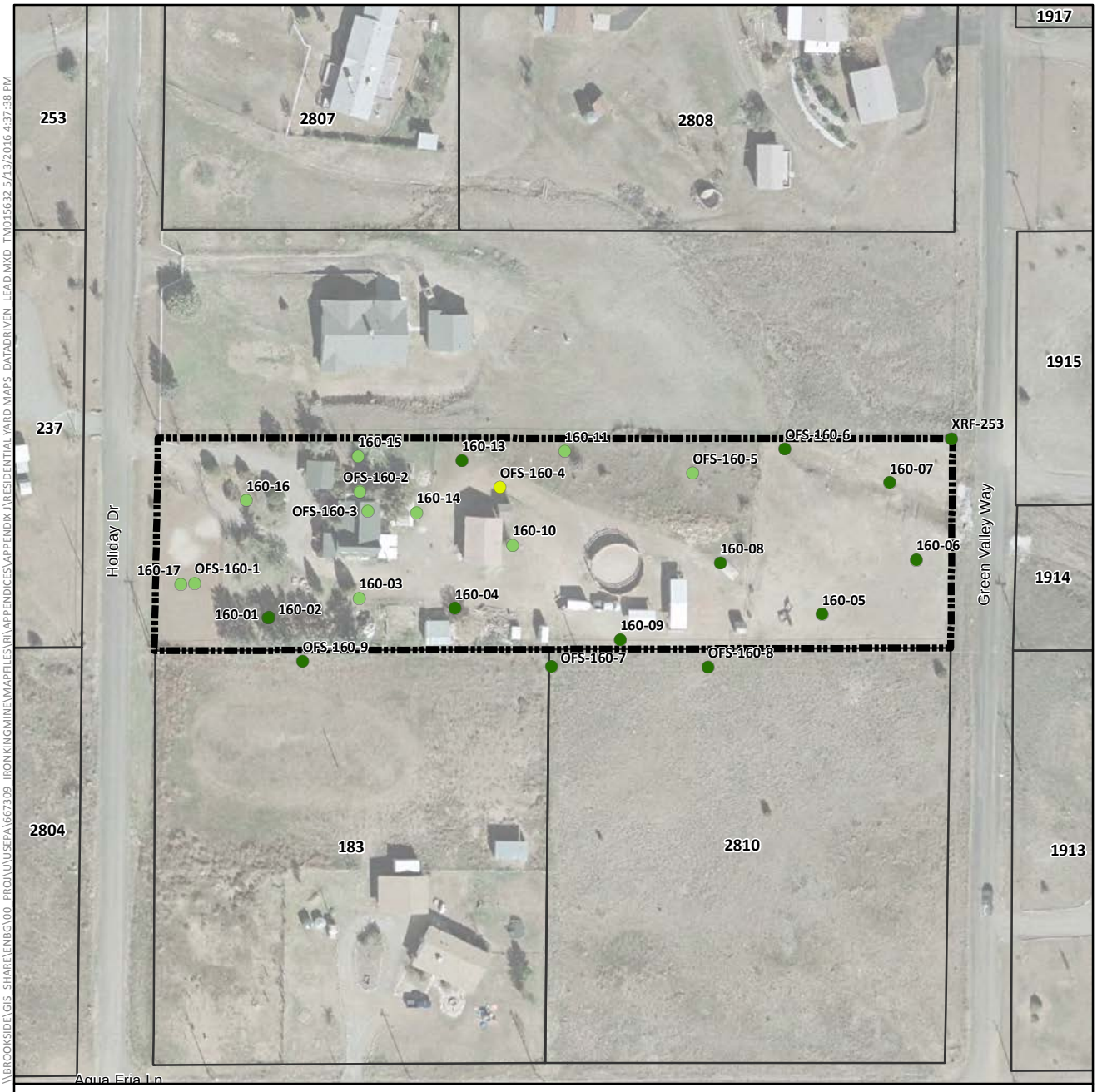


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Scale in Feet

N

Lead Distribution in Surface Soil, Yard 159 (Page 130 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



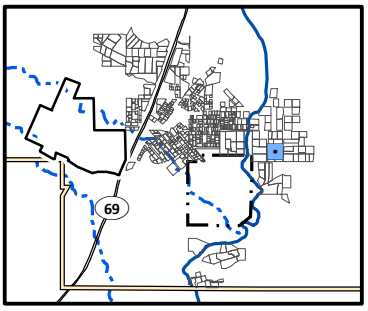
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

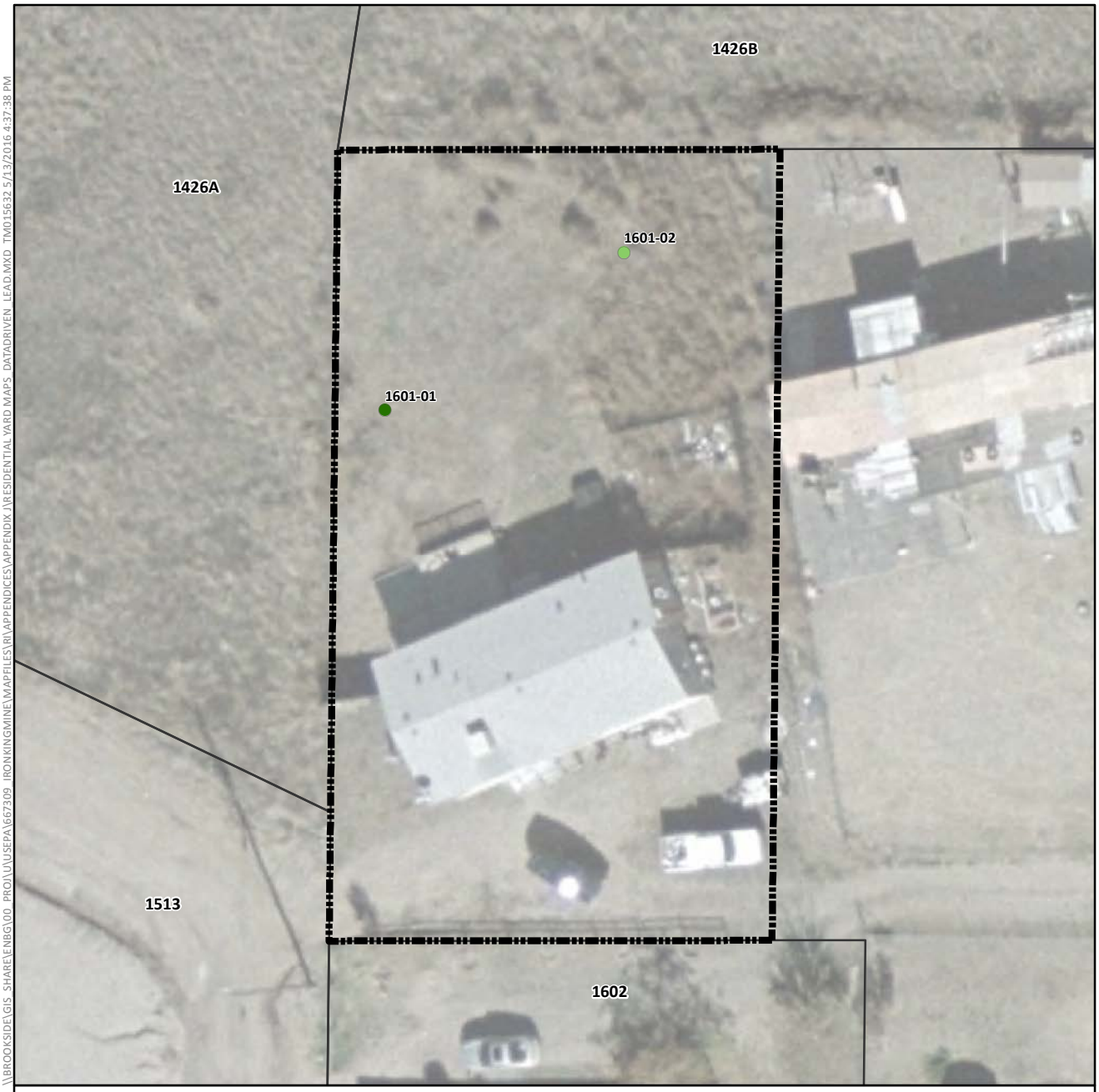


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Scale in Feet
N

Lead Distribution in Surface Soil, Yard 160 (Page 131 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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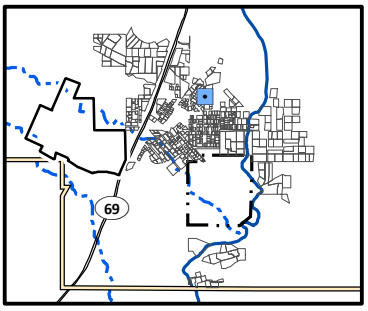


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1601 (Page 132 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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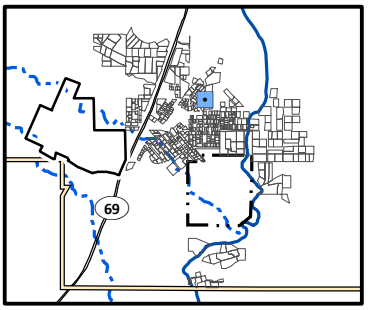


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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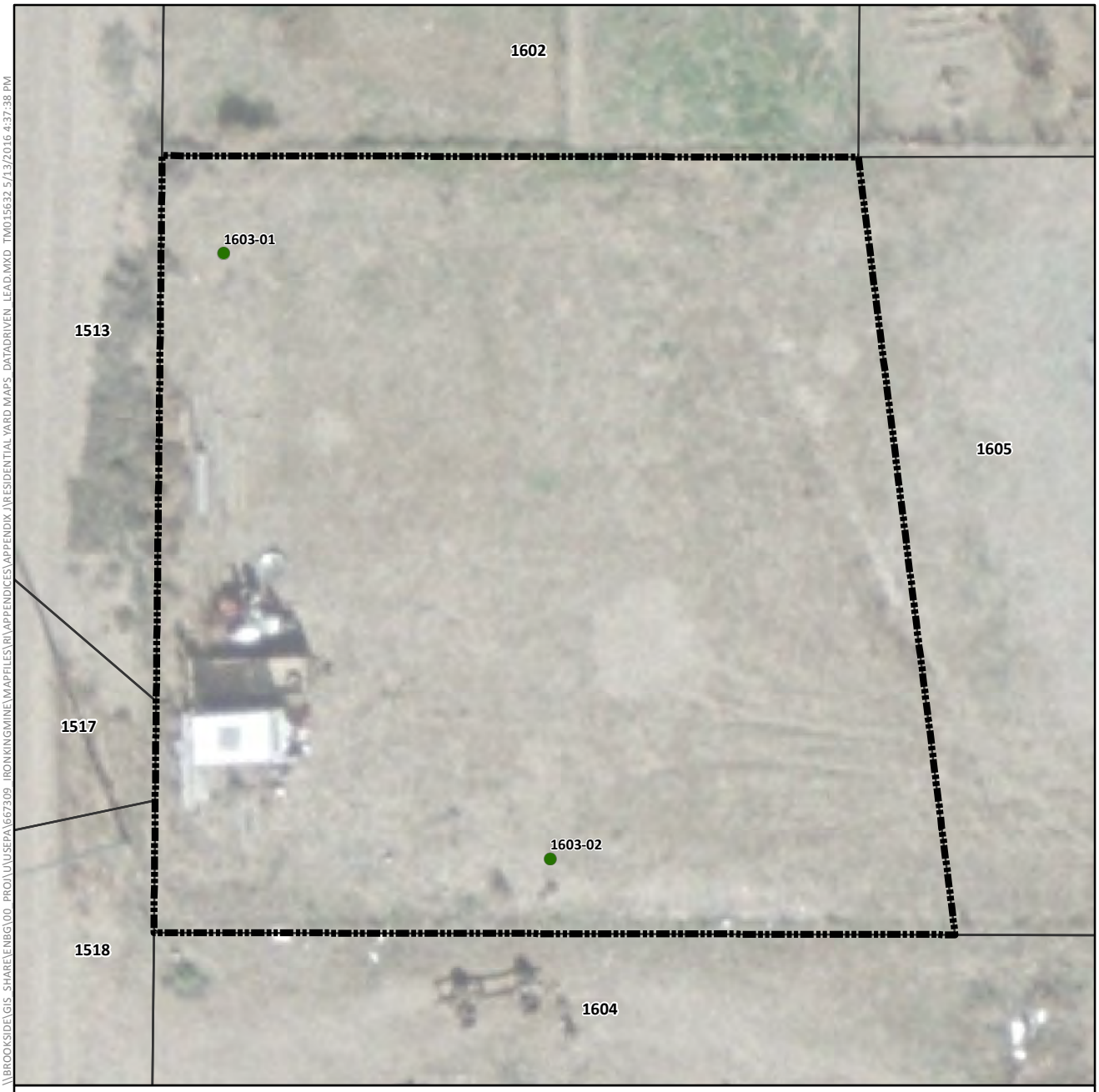


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Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1602 (Page 133 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



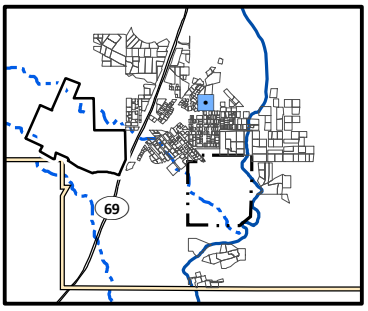
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

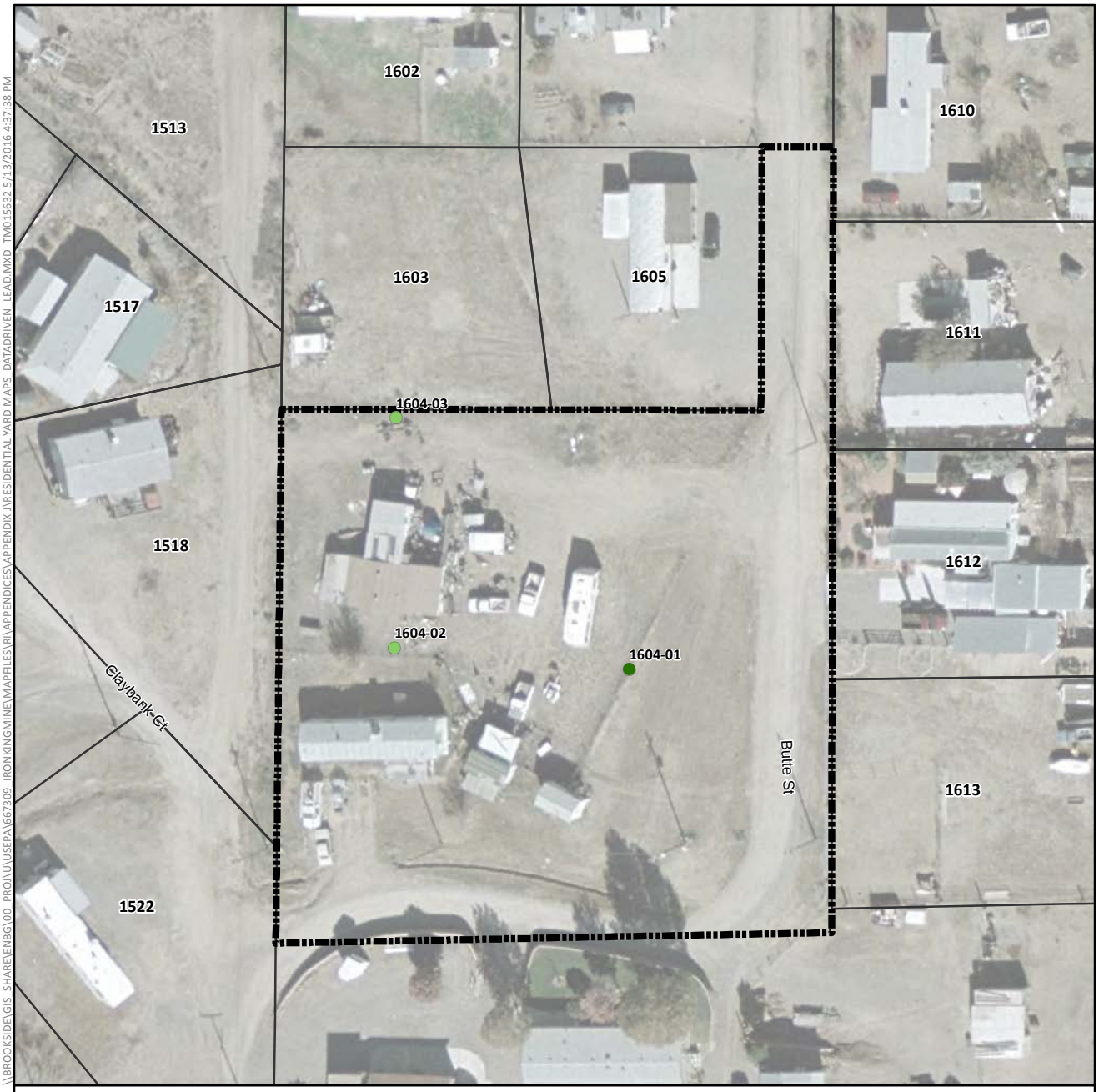


0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1603 (Page 134 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



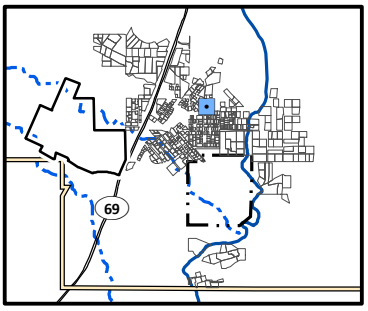
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1604 (Page 135 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



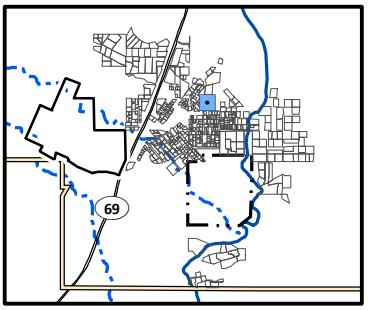
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1605 (Page 136 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



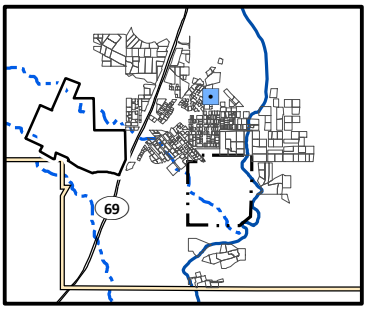
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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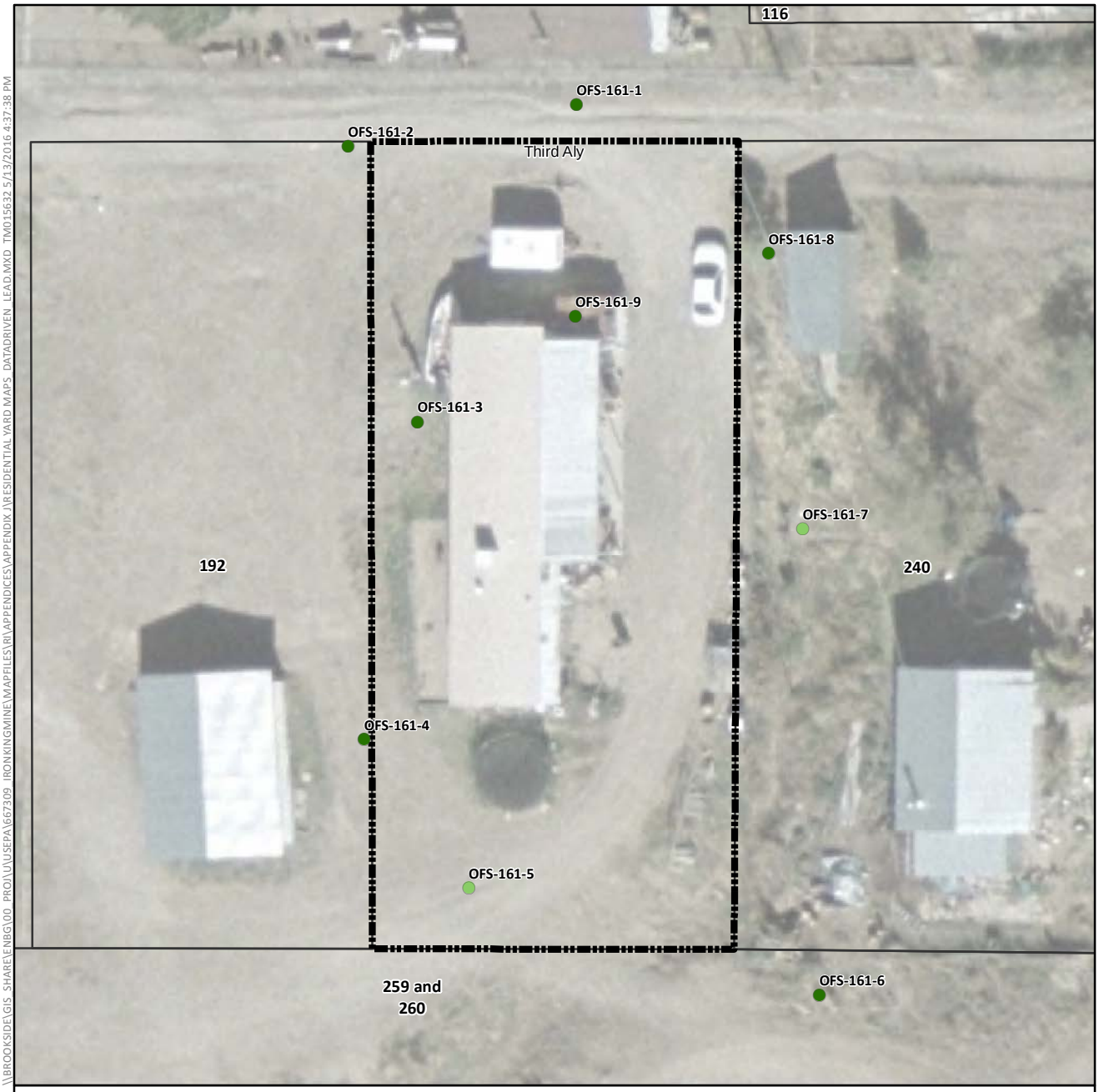


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Scale in Feet

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Lead Distribution in Surface Soil, Yard 1608 (Page 137 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



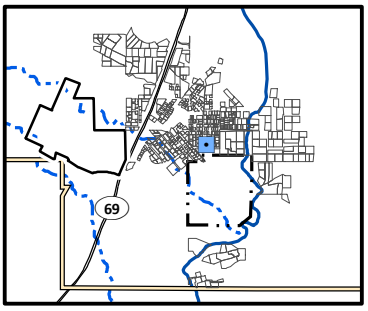
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 161 (Page 138 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



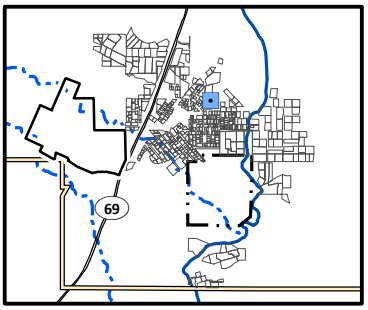
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1610 (Page 139 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

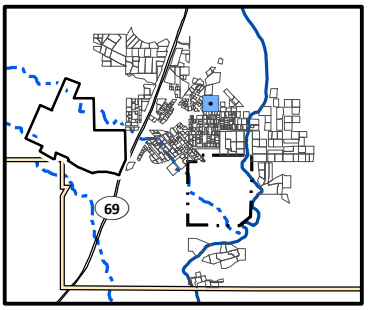


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1611 (Page 140 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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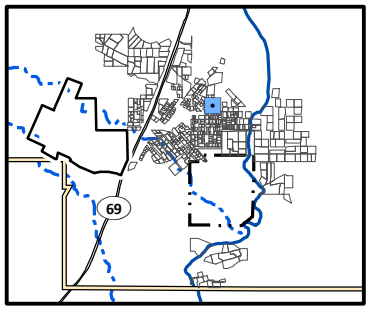
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Lead Distribution in Surface Soil, Yard 1612 (Page 141 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



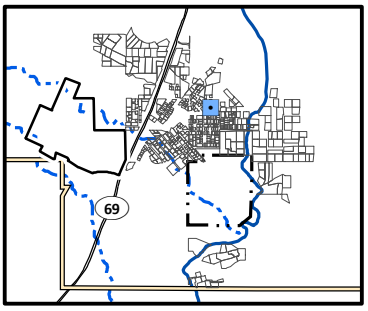
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

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Lead Distribution in Surface Soil, Yard 1613 (Page 142 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



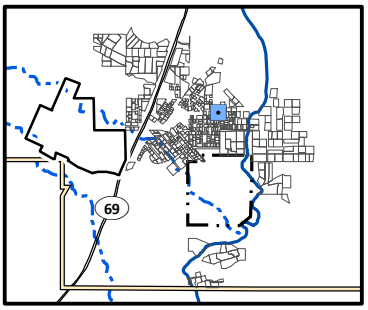
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1618 (Page 143 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

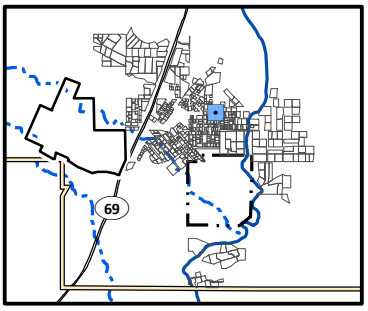


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1619 (Page 144 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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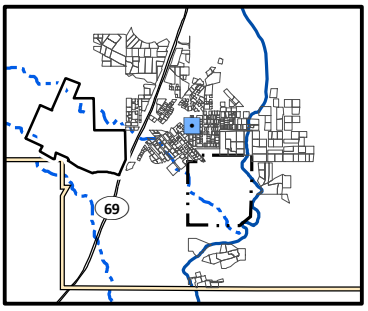
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



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Scale in Feet

N

Lead Distribution in Surface Soil, Yard 162 (Page 145 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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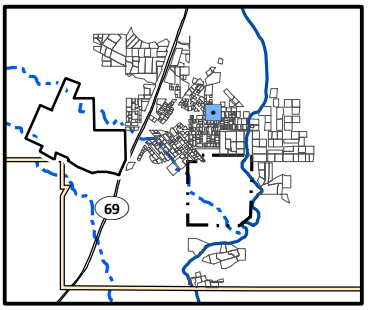


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1620 (Page 146 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



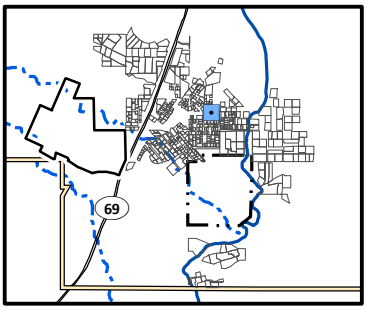
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1621A (Page 147 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

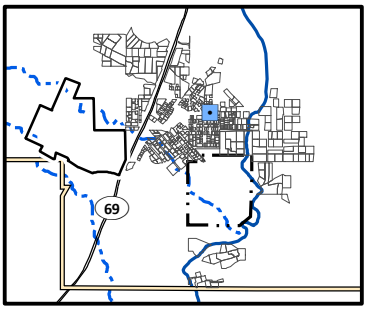


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1621B (Page 148 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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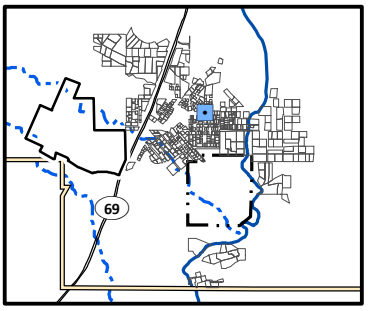
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

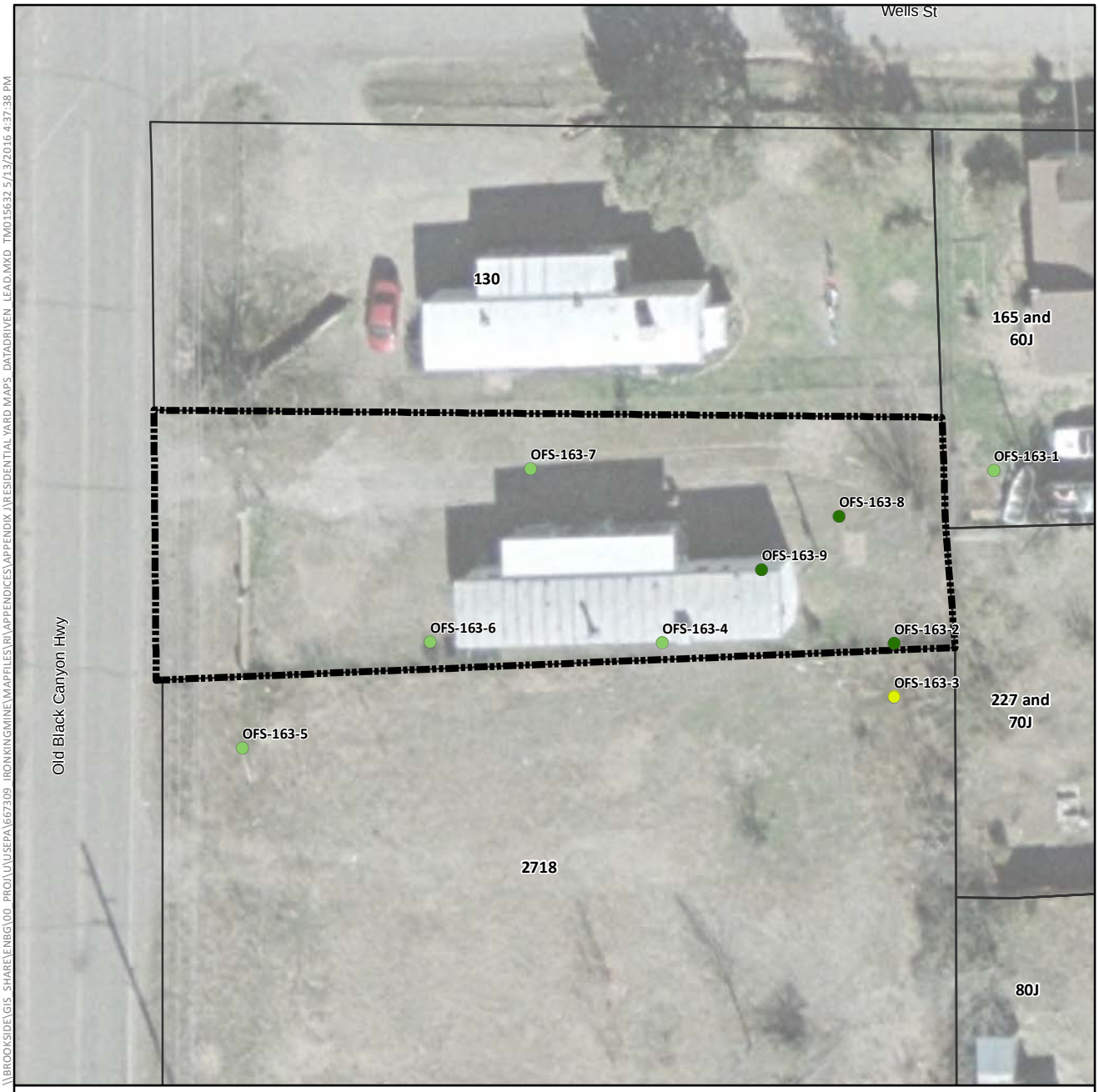


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Scale in Feet

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Lead Distribution in Surface Soil, Yard 1624 (Page 149 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



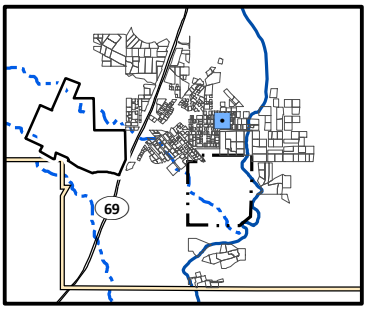
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



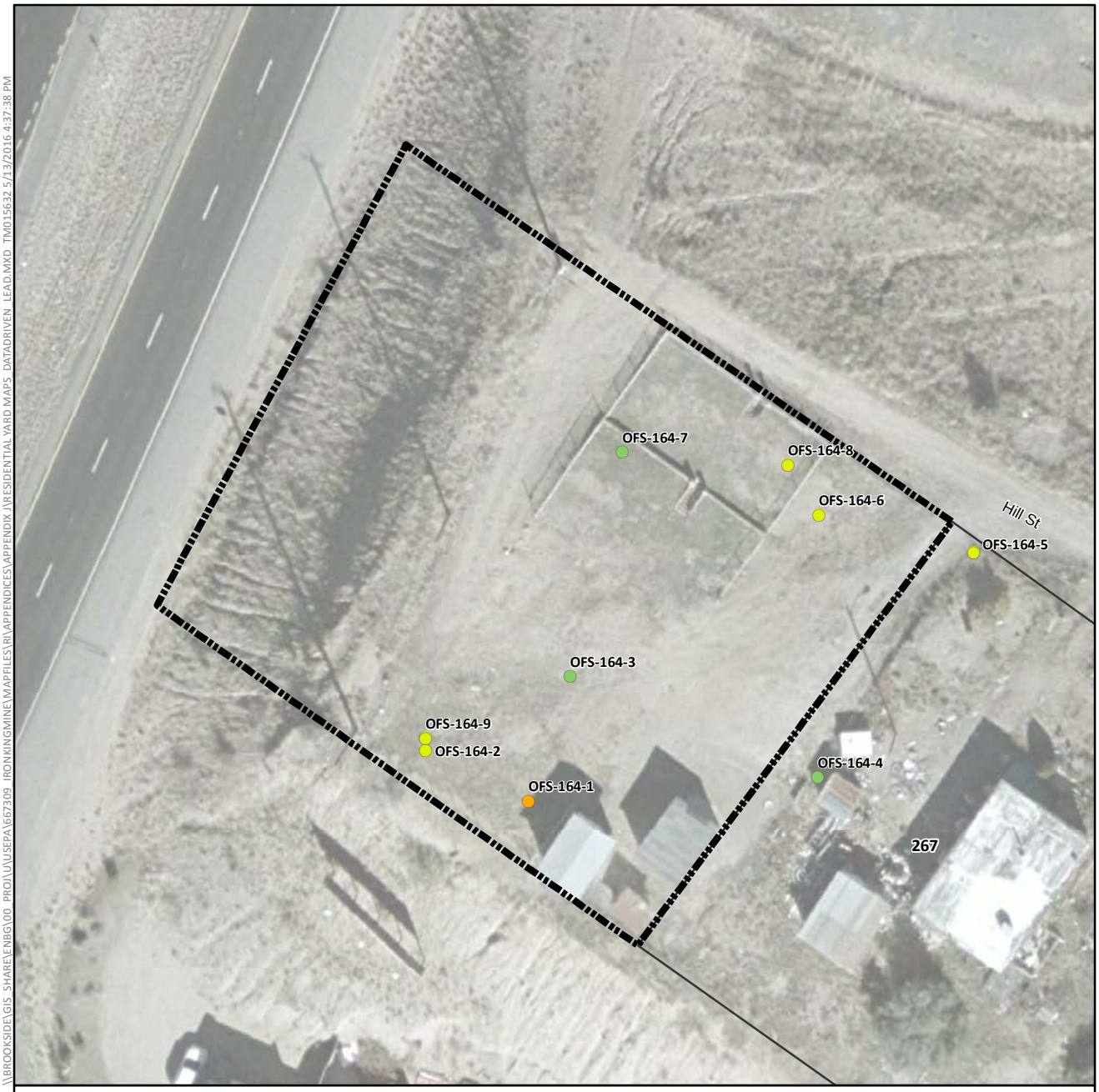
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Scale in Feet

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Lead Distribution in Surface Soil, Yard 163 (Page 150 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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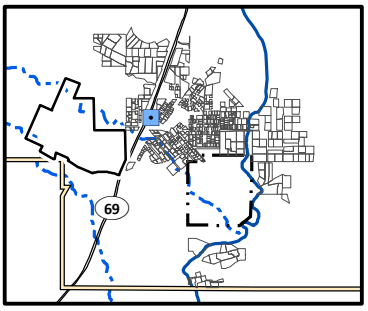


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 164 (Page 151 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



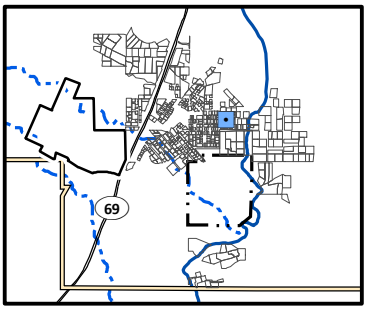
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

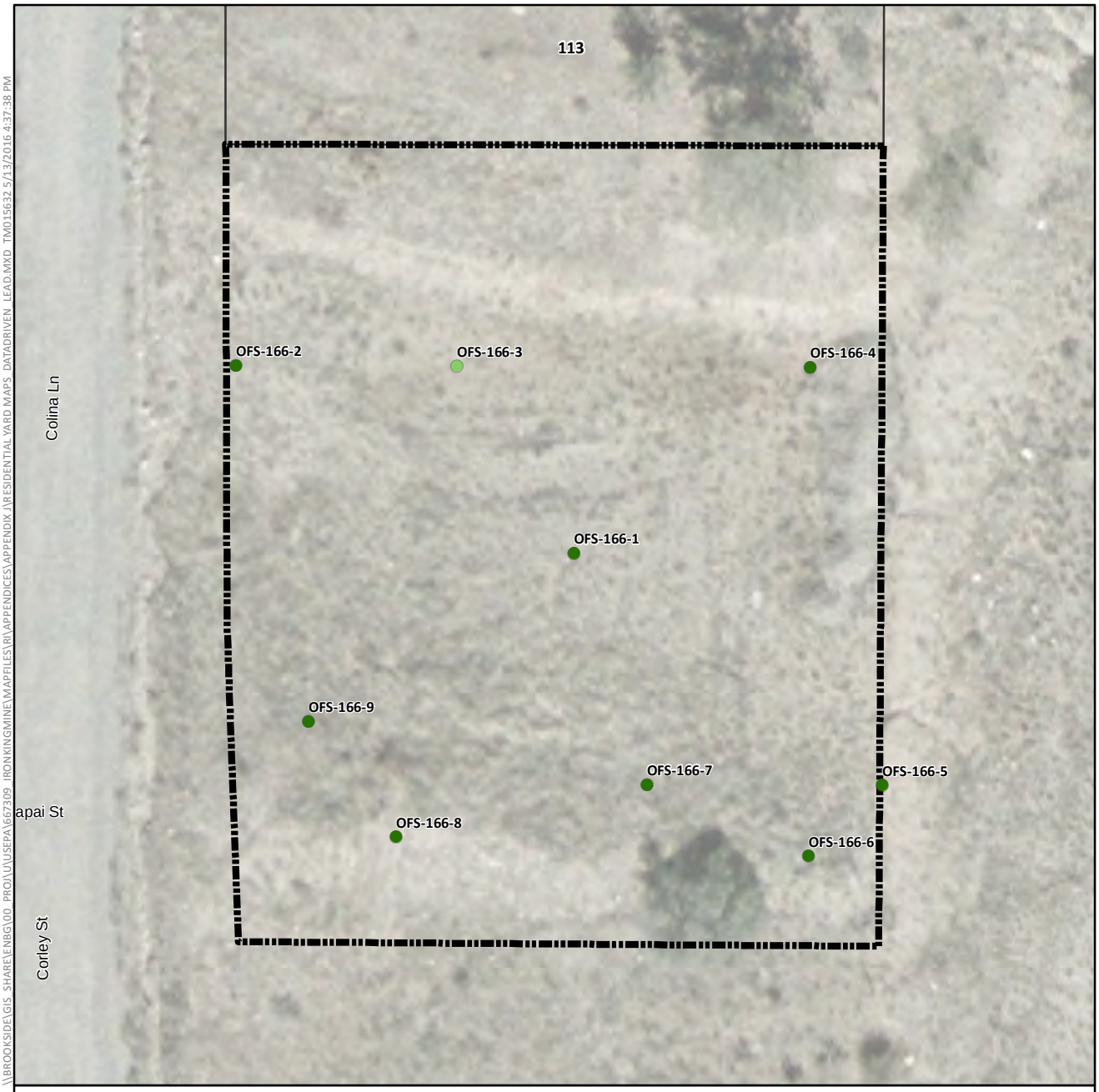
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 165 and 60J (Page 152 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



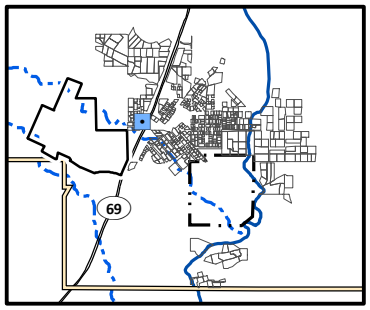
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

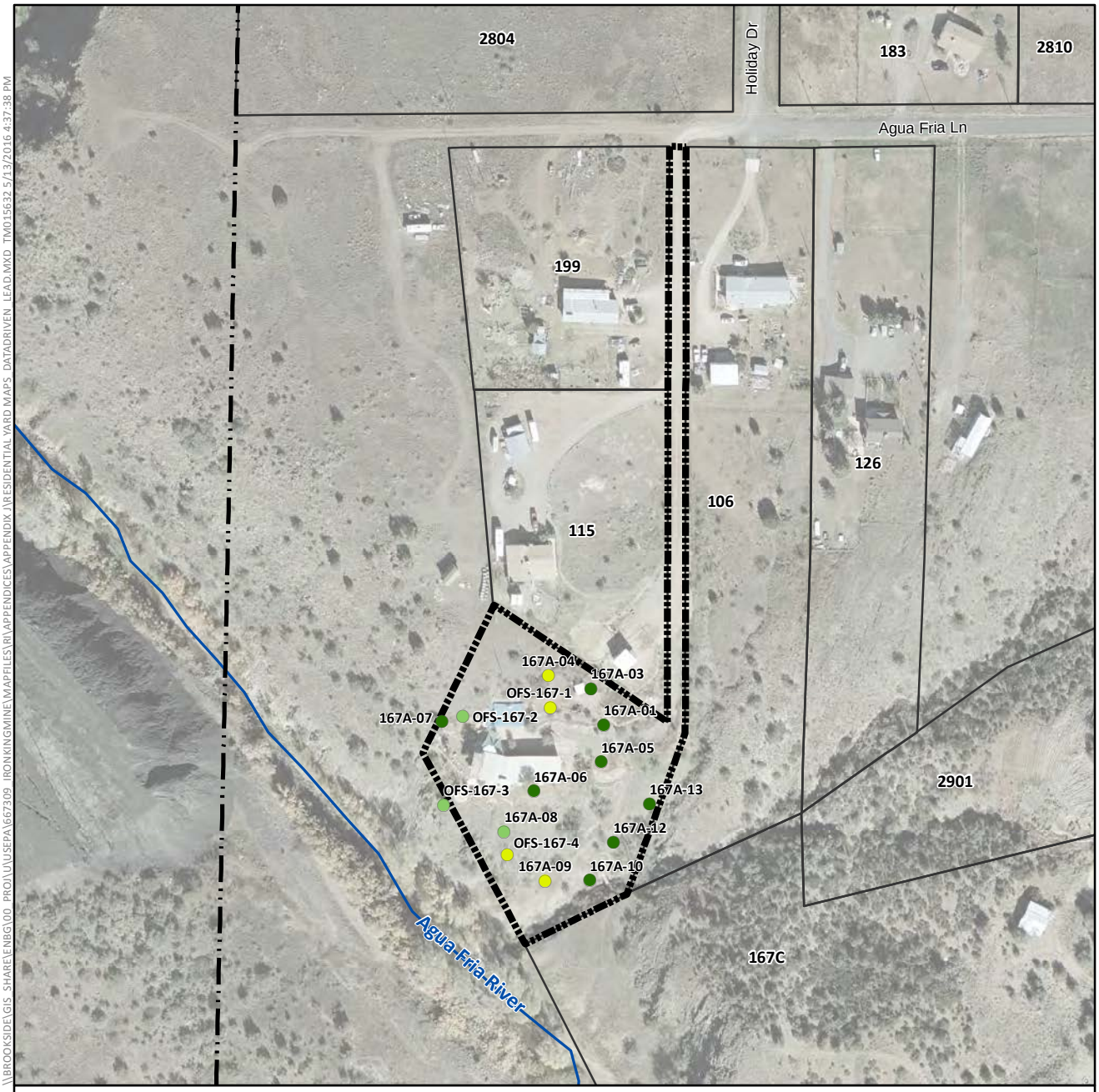


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 166 (Page 153 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



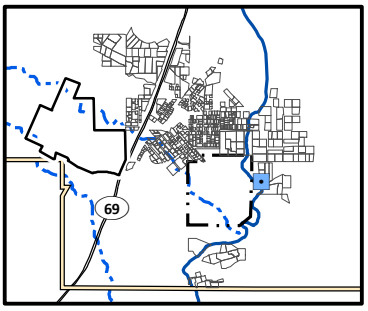
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

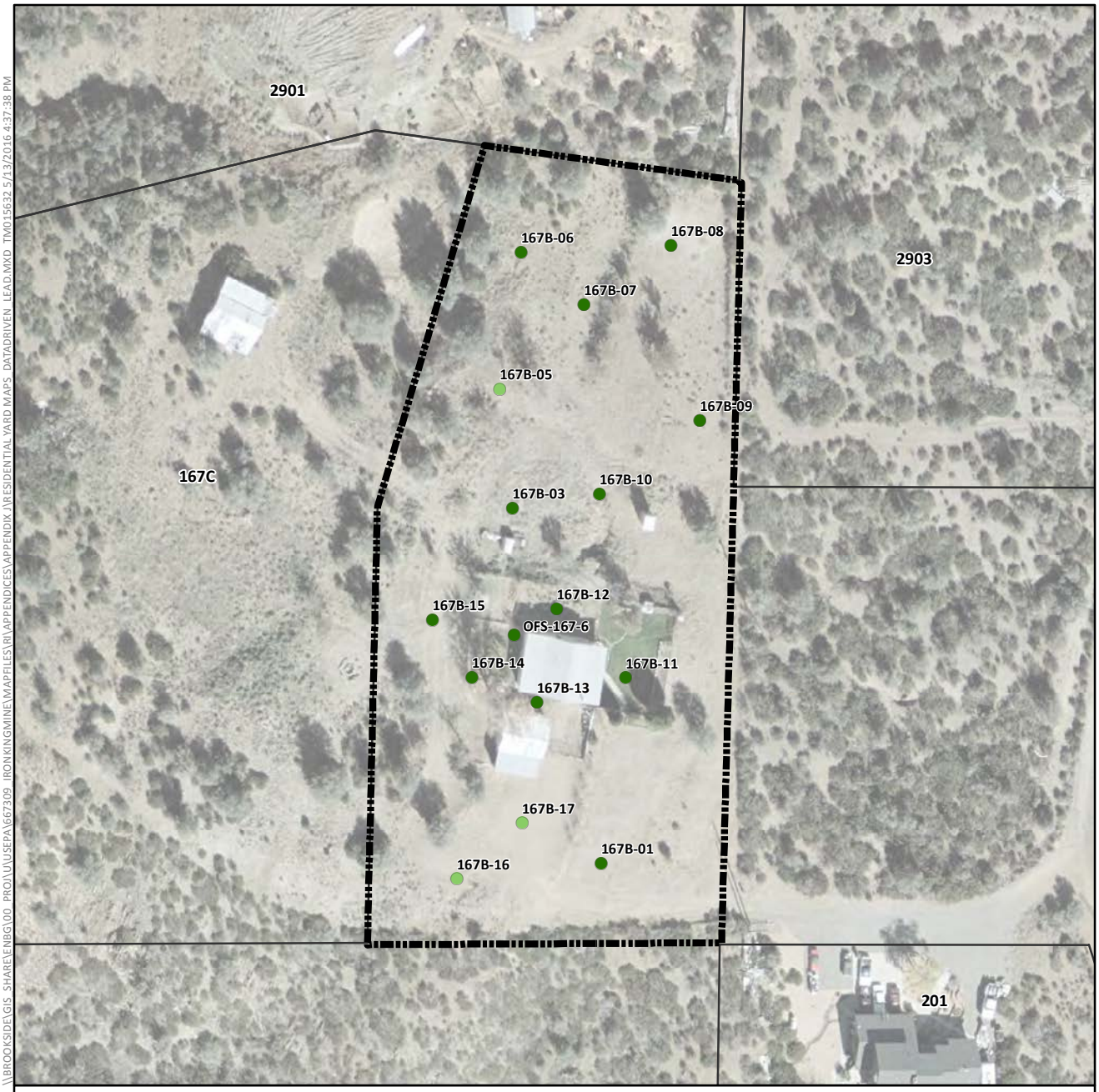
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 320
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 167A (Page 154 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



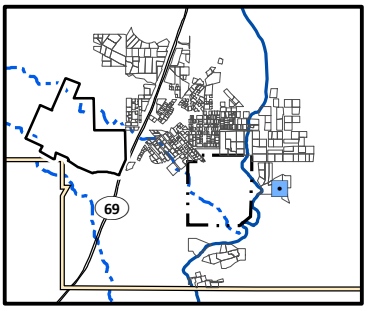
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

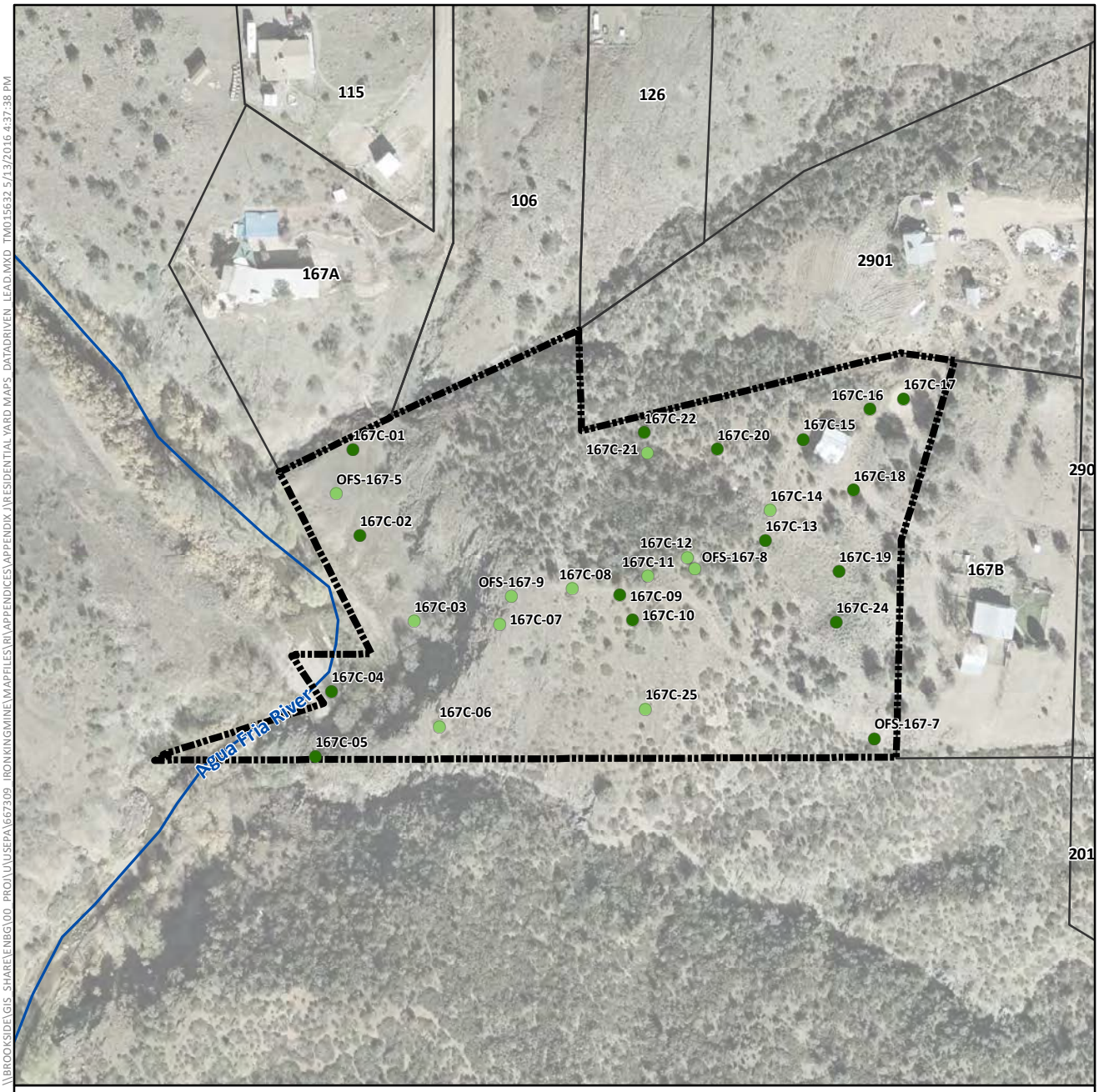


0 140
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 167B (Page 155 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



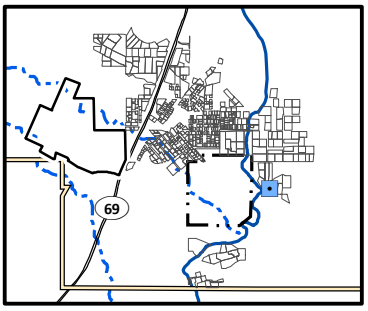
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 300
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 167C (Page 156 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



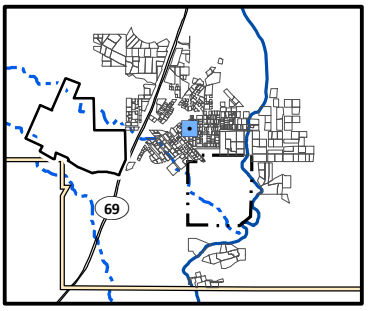
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 168 (Page 157 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



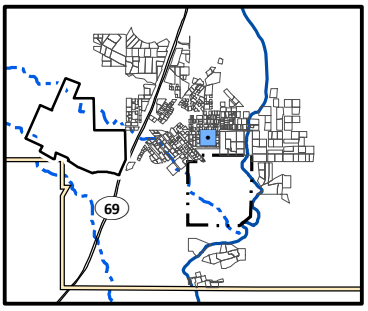
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



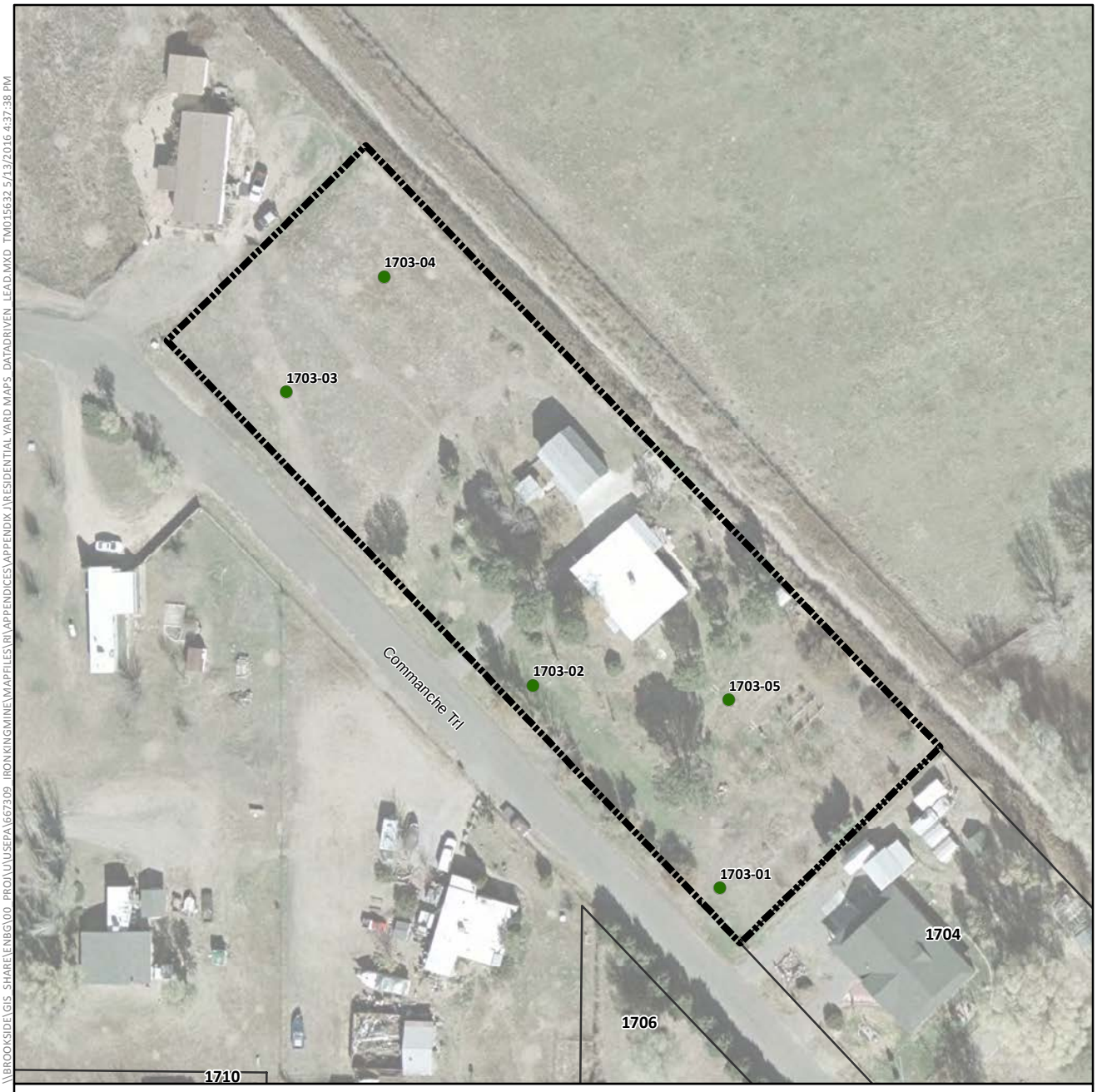
0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 169 (Page 158 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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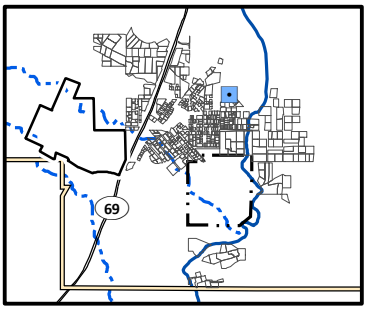


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

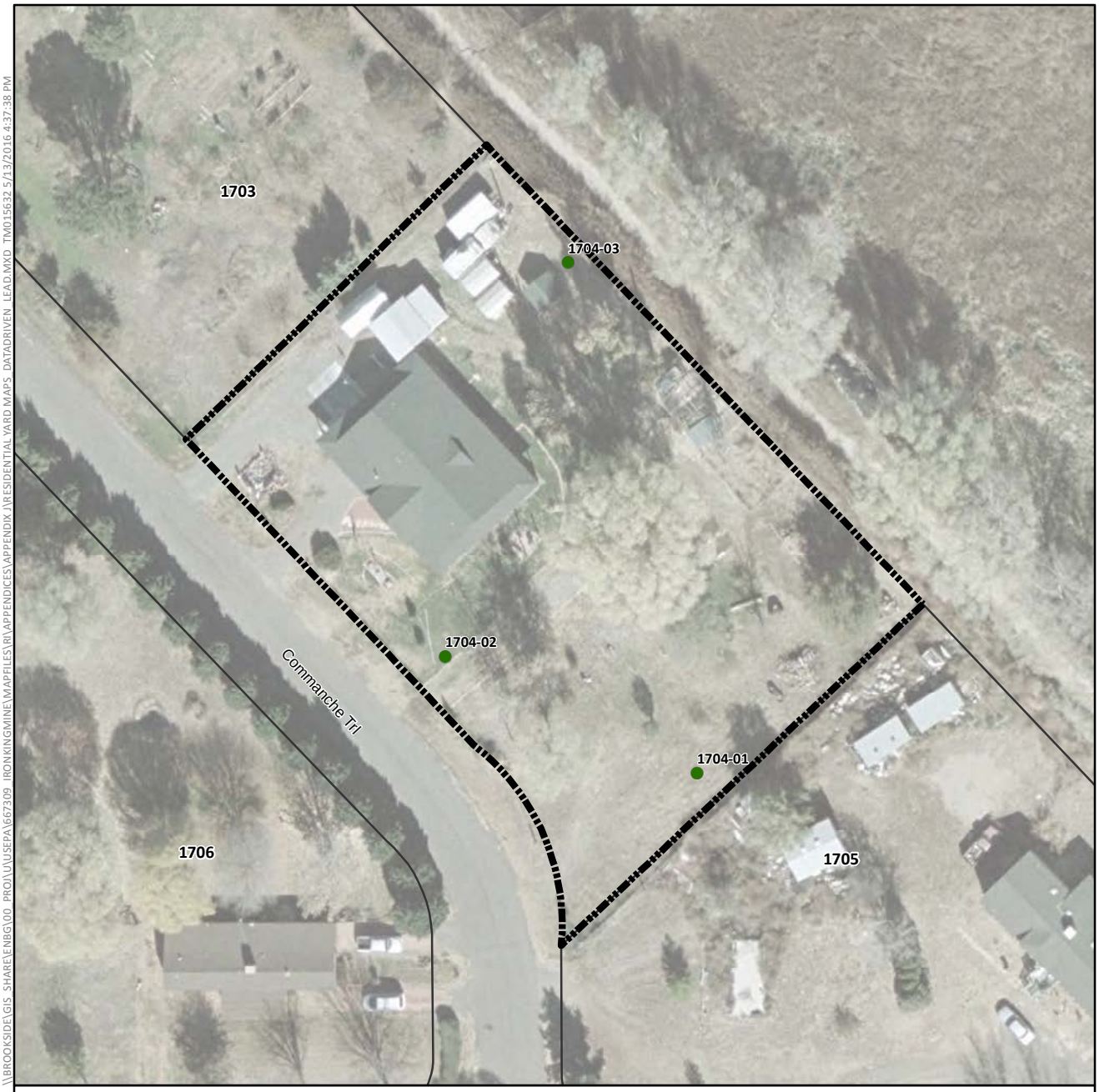


0 150
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1703 (Page 159 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



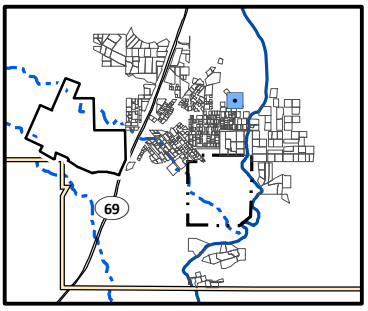
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1704 (Page 160 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



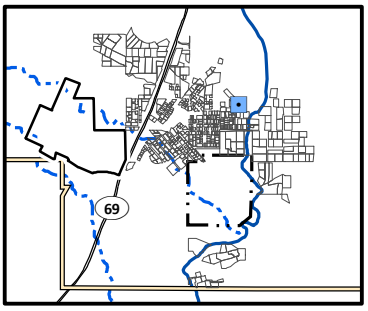
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1705 (Page 161 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



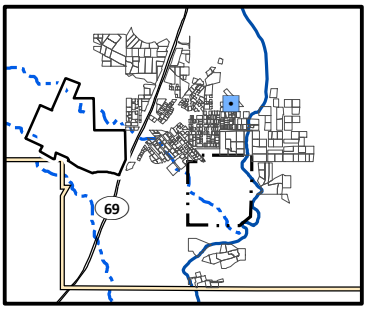
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1706 (Page 162 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



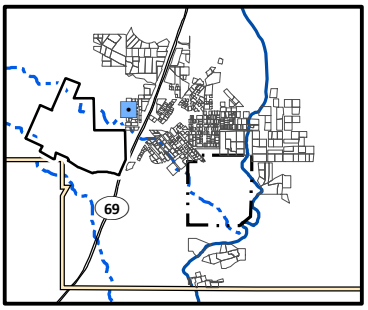
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 170A (Page 163 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



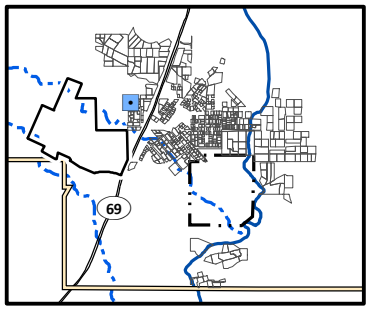
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

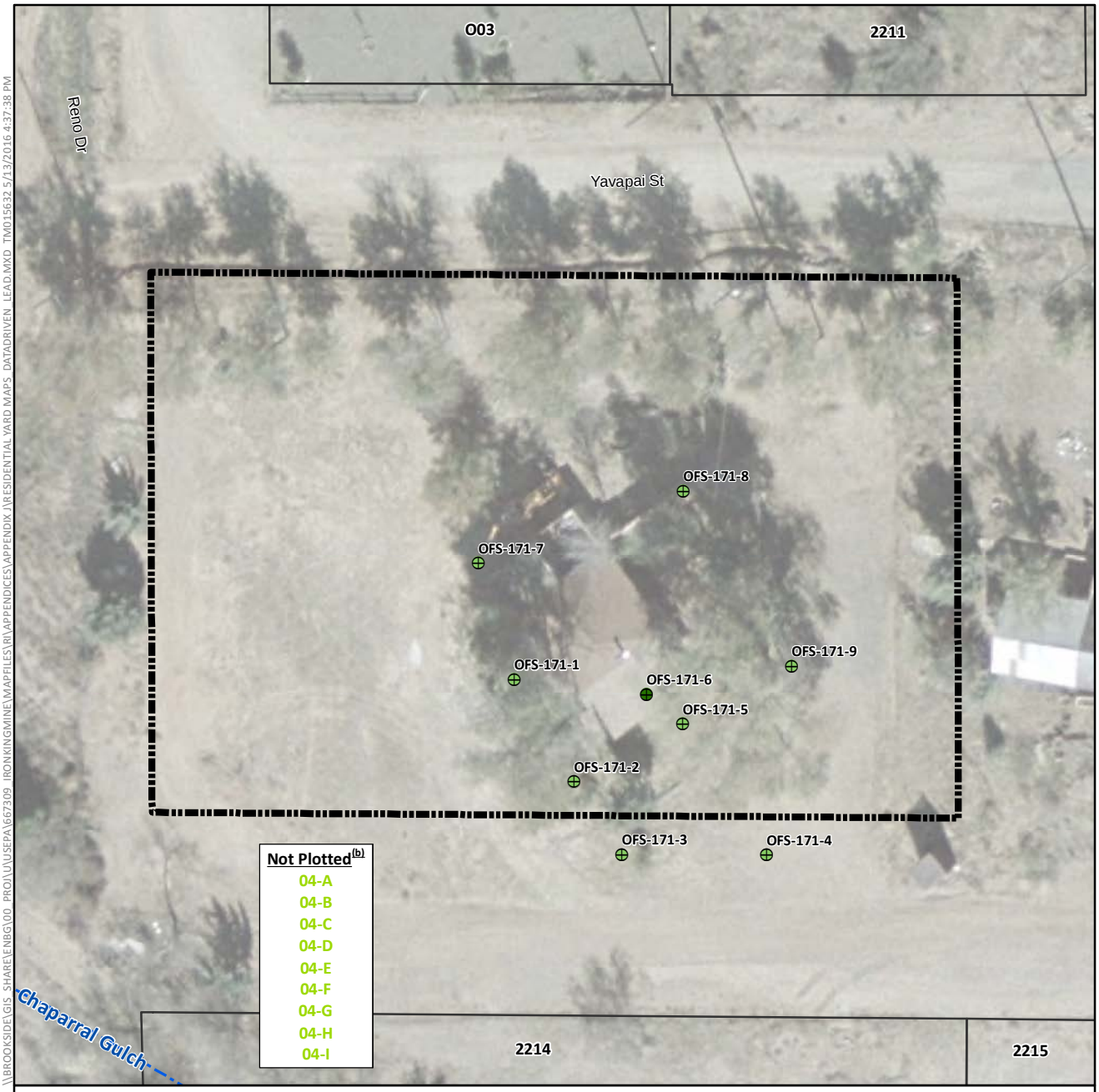


0 120
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 170B (Page 164 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



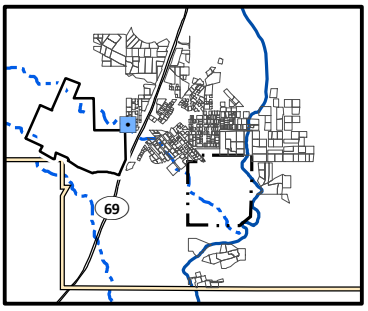
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 04-A through 04-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 171 and O04 (Page 165 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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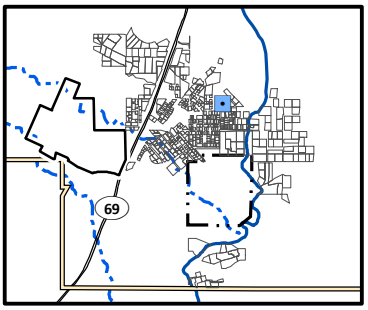


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1710 (Page 166 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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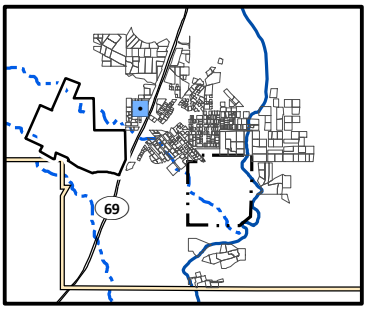


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 172 (Page 167 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

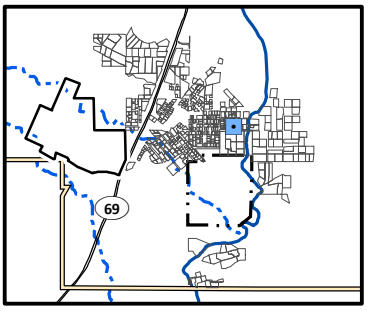


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 173 (Page 168 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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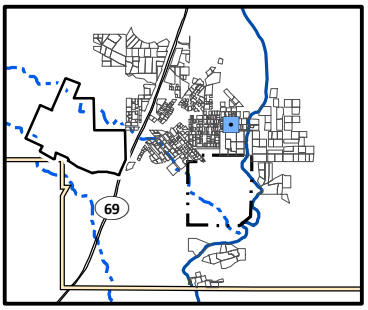
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 174 (Page 169 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_LEAD.MXD TM0156632 5/13/2016 4:37:38 PM

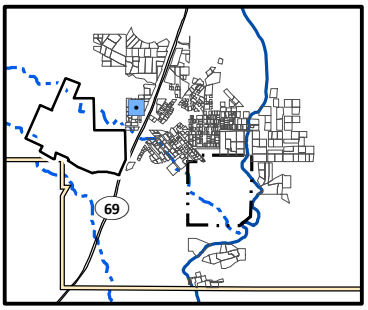


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 175 (Page 170 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



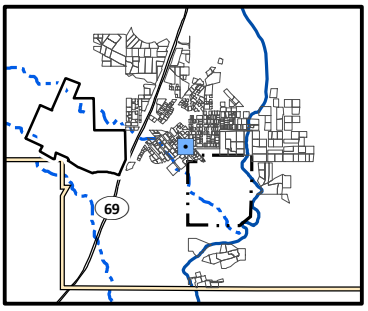
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 176 (Page 171 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



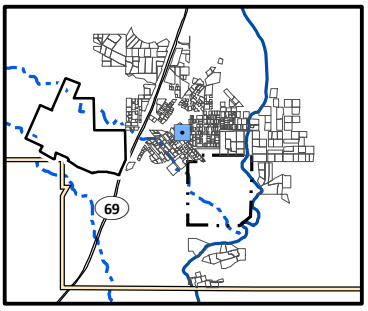
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
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- >35 to 140 (Provisional RSL)
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- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 177 (Page 172 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



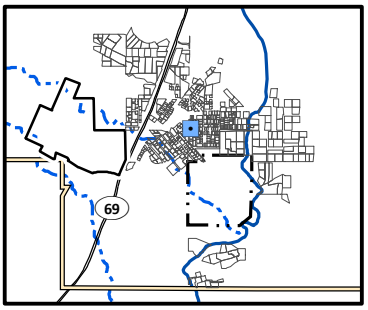
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
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- >35 to 140 (Provisional RSL)
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- >2,400 to 4,800
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

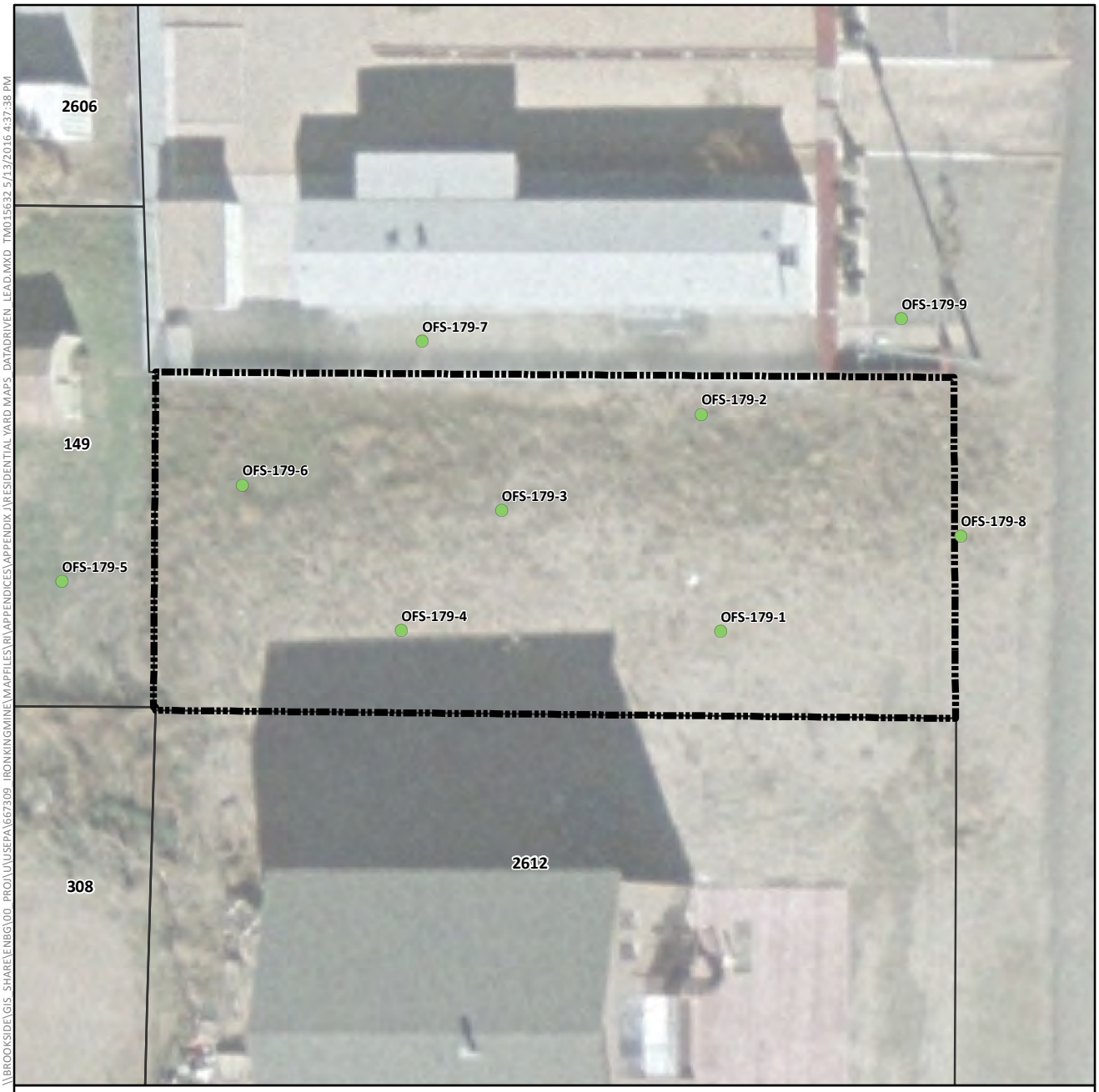


0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 178 (Page 173 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



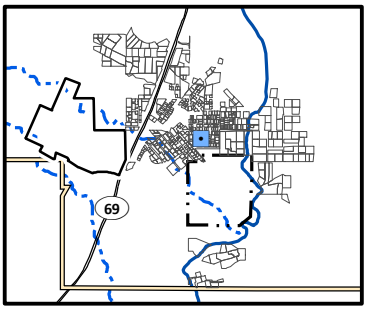
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 179 (Page 174 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



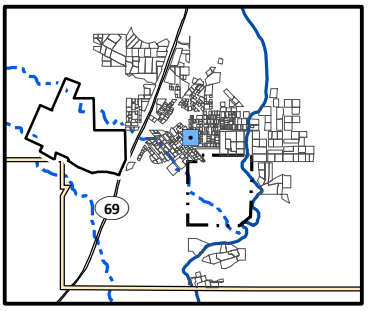
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 180 (Page 175 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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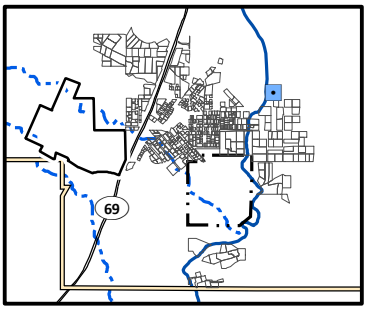


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 125
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1801 (Page 176 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



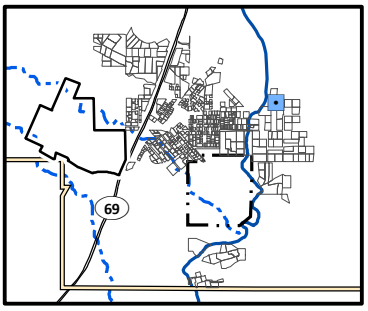
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

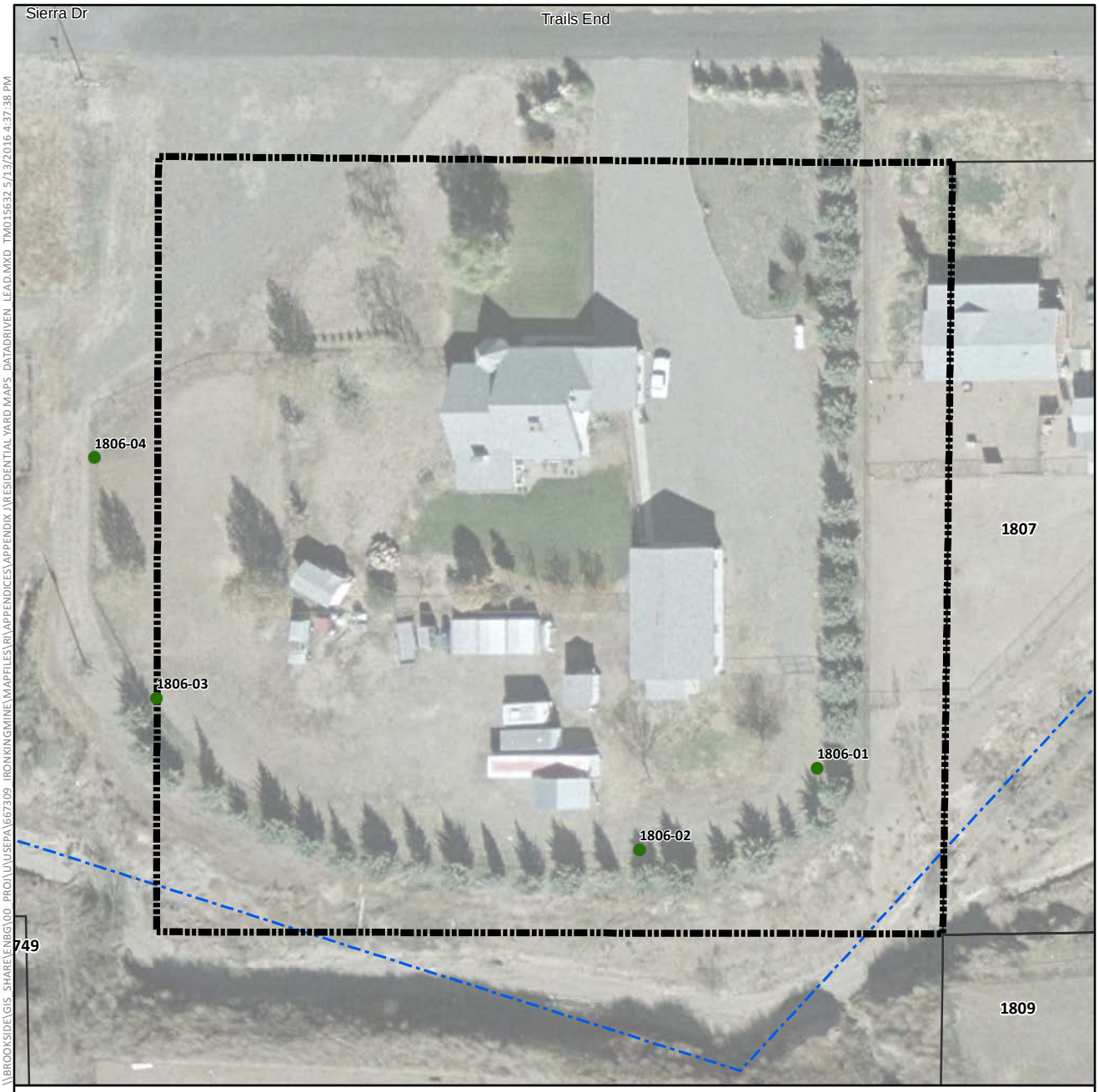


0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1804 (Page 177 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



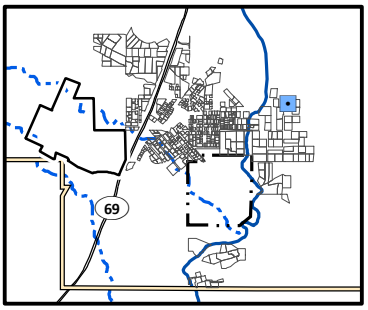
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

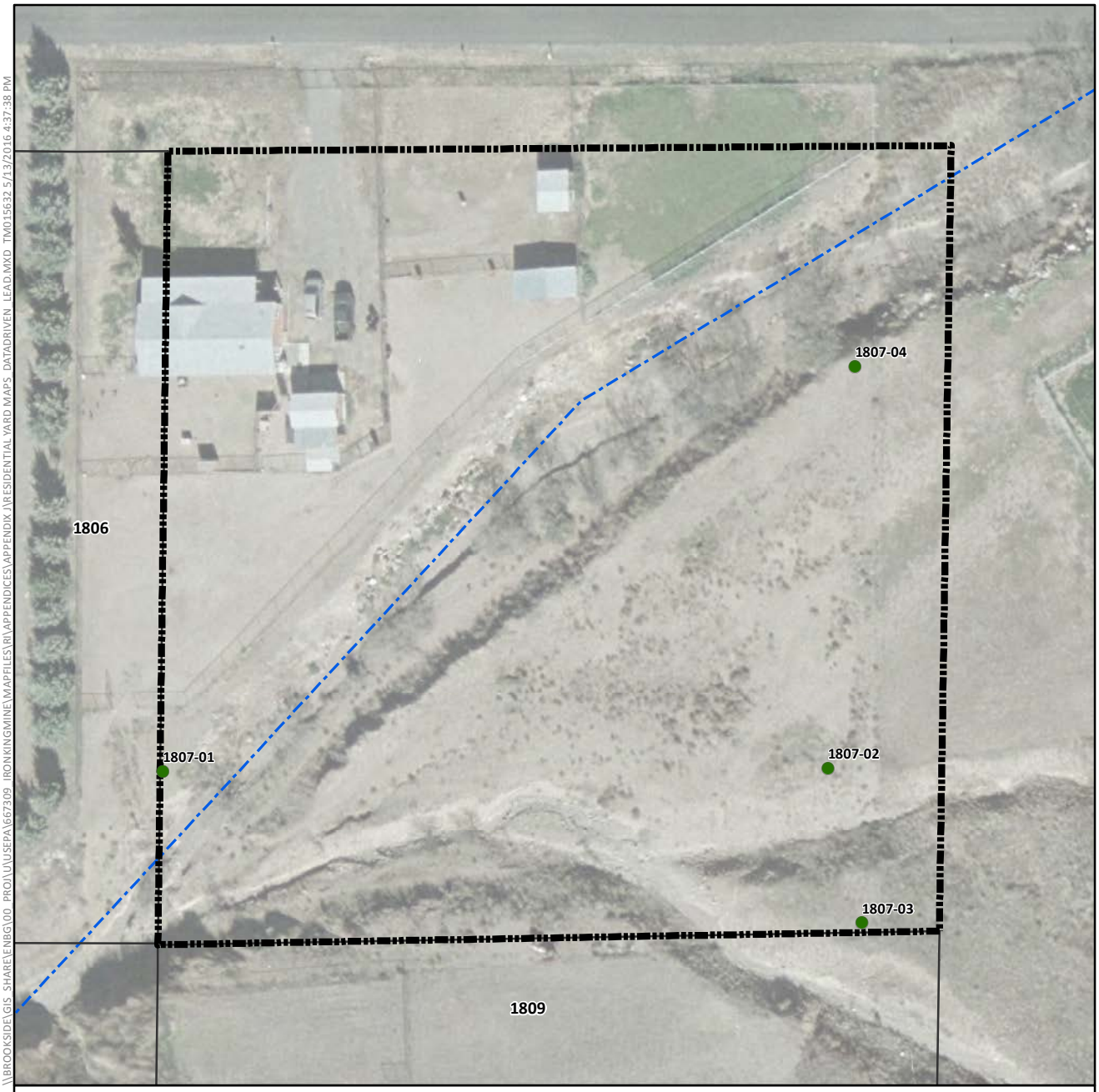
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1806 (Page 178 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



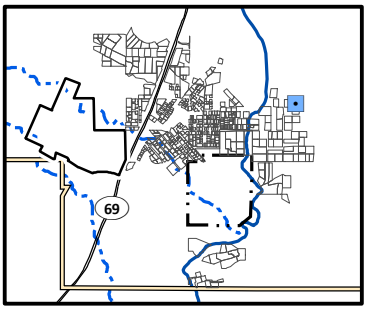
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1807 (Page 179 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



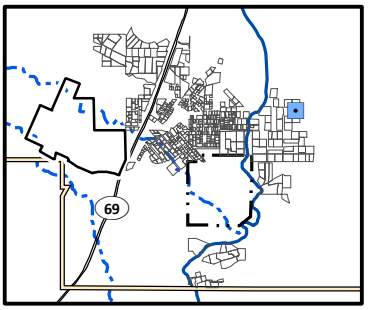
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

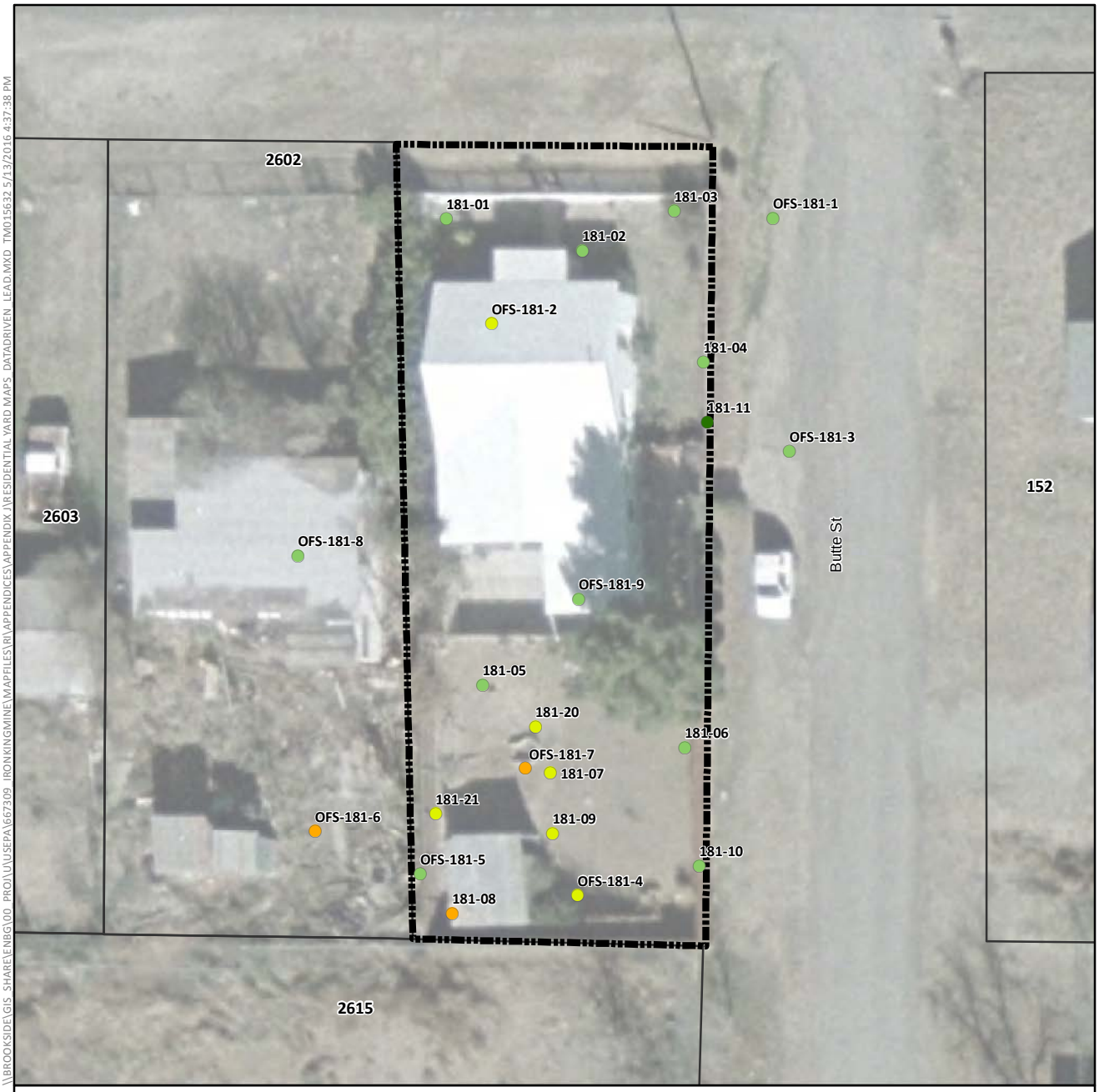
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1809 (Page 180 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



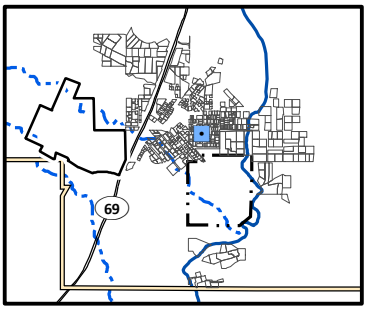
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 181 (Page 181 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



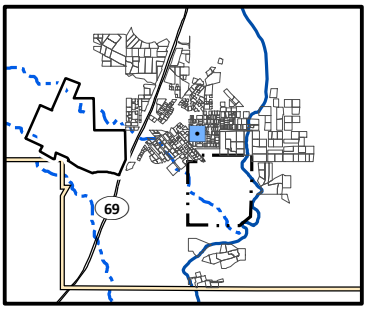
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 182 (Page 182 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



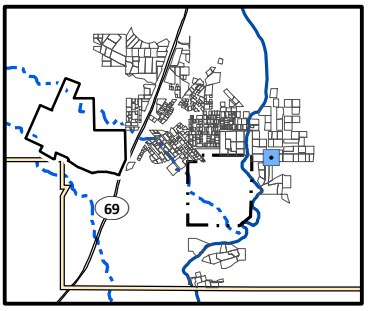
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 183 (Page 183 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



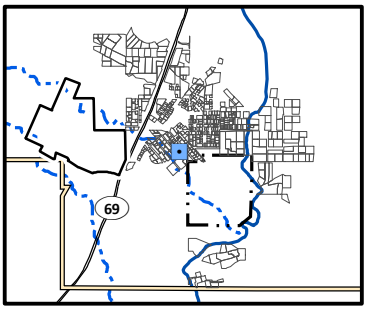
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

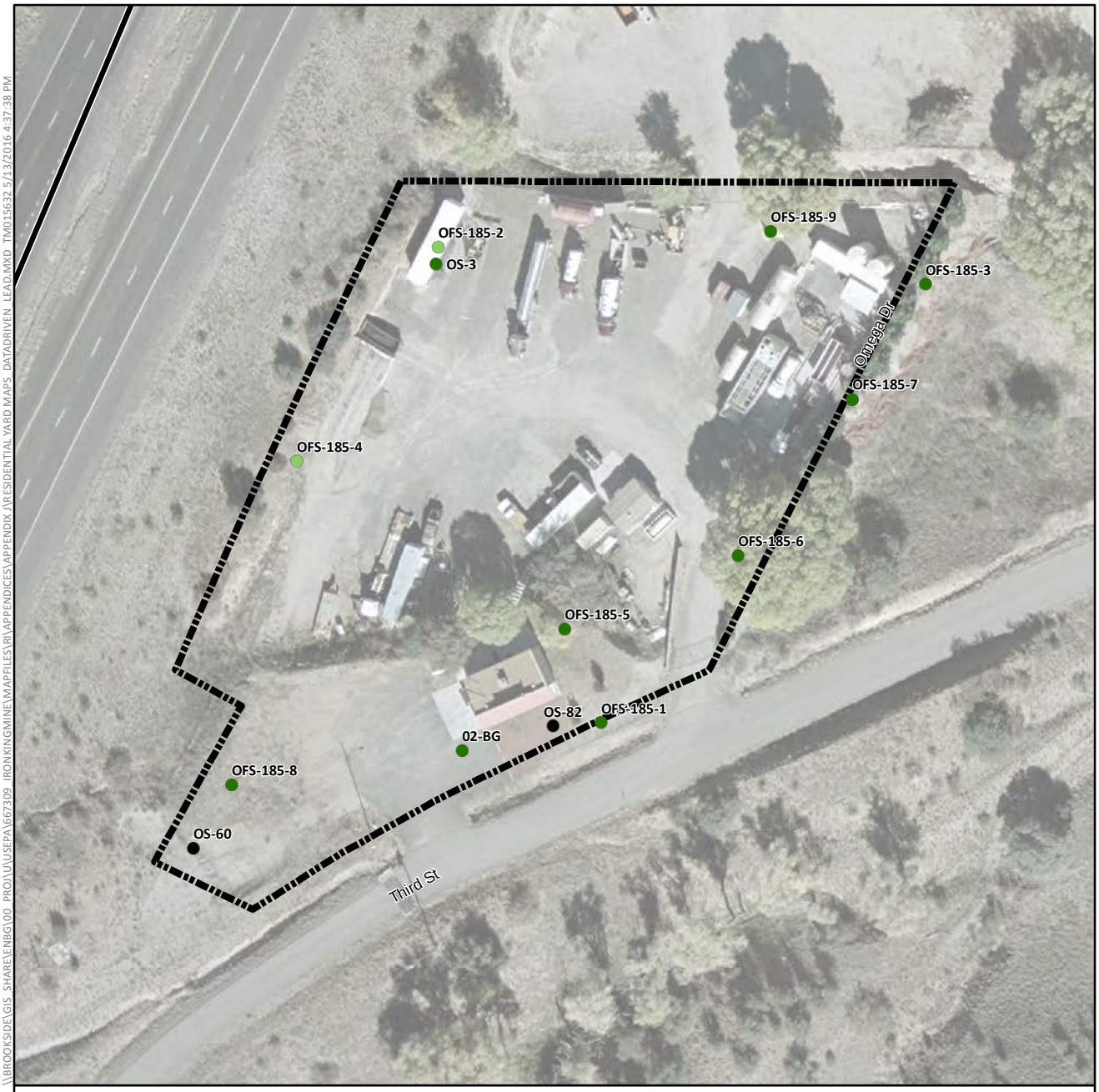


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 184 (Page 184 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



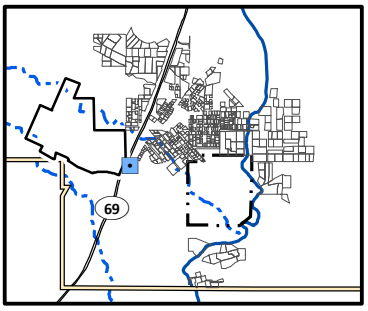
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 130
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 185 (Page 185 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



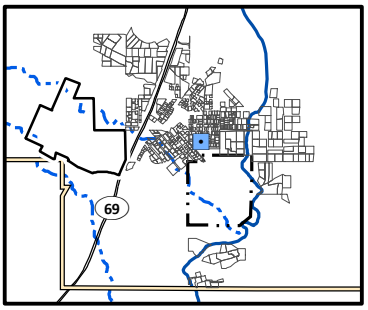
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 186 (Page 186 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



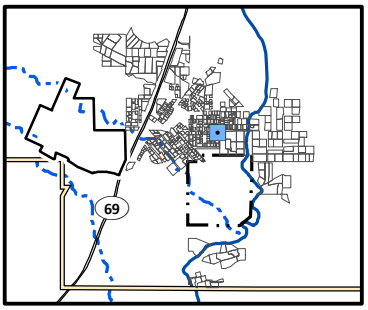
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

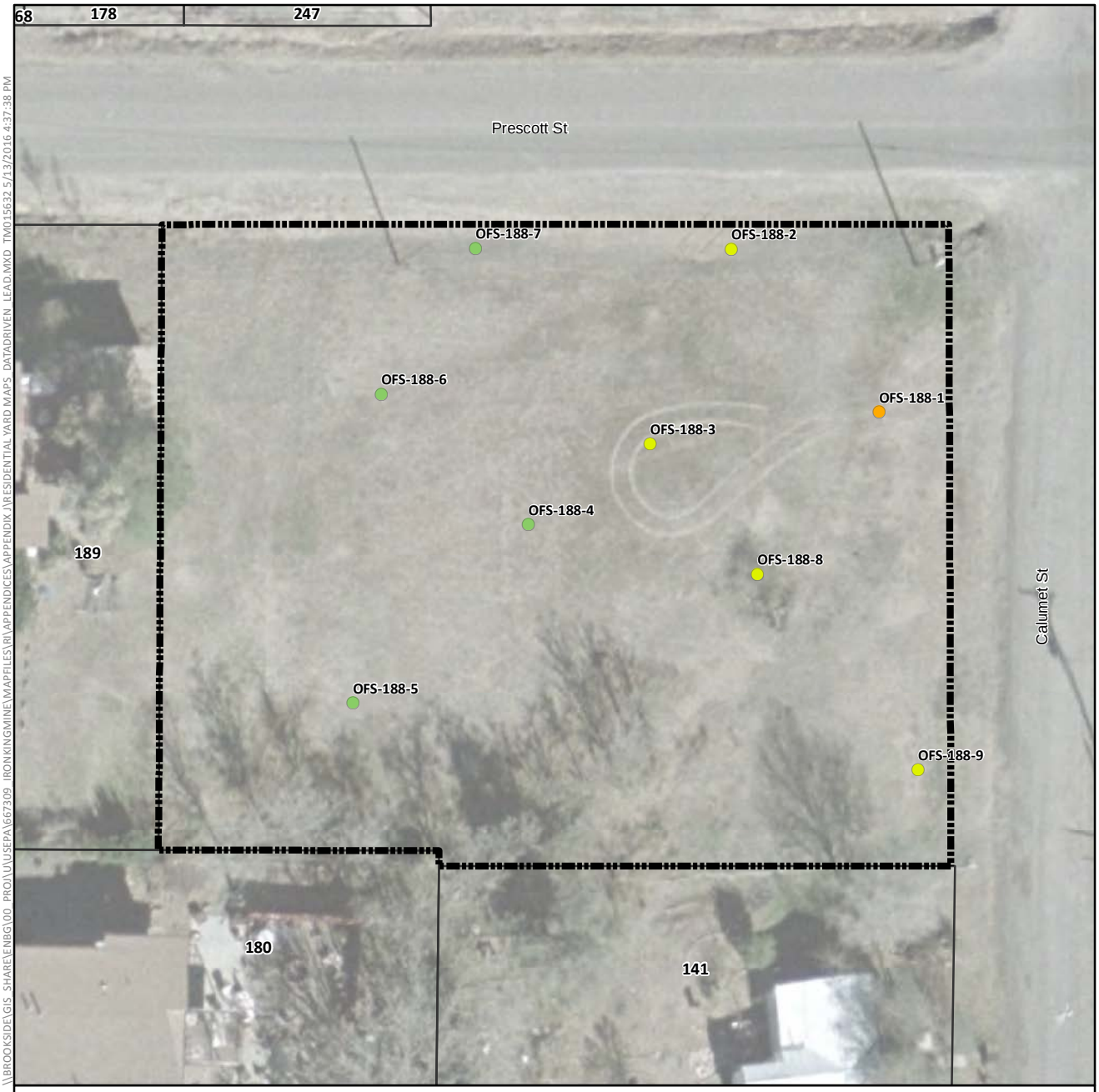


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 187 (Page 187 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



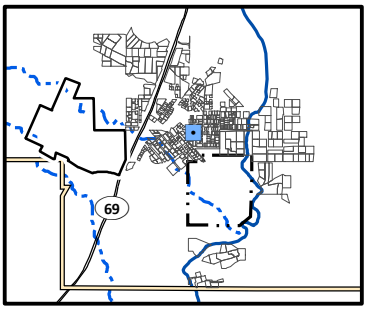
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 188 (Page 188 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



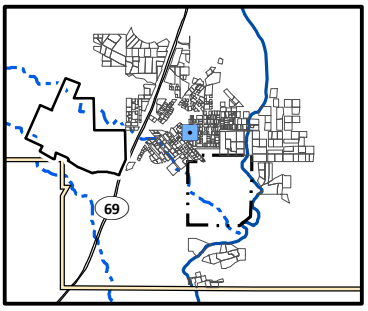
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

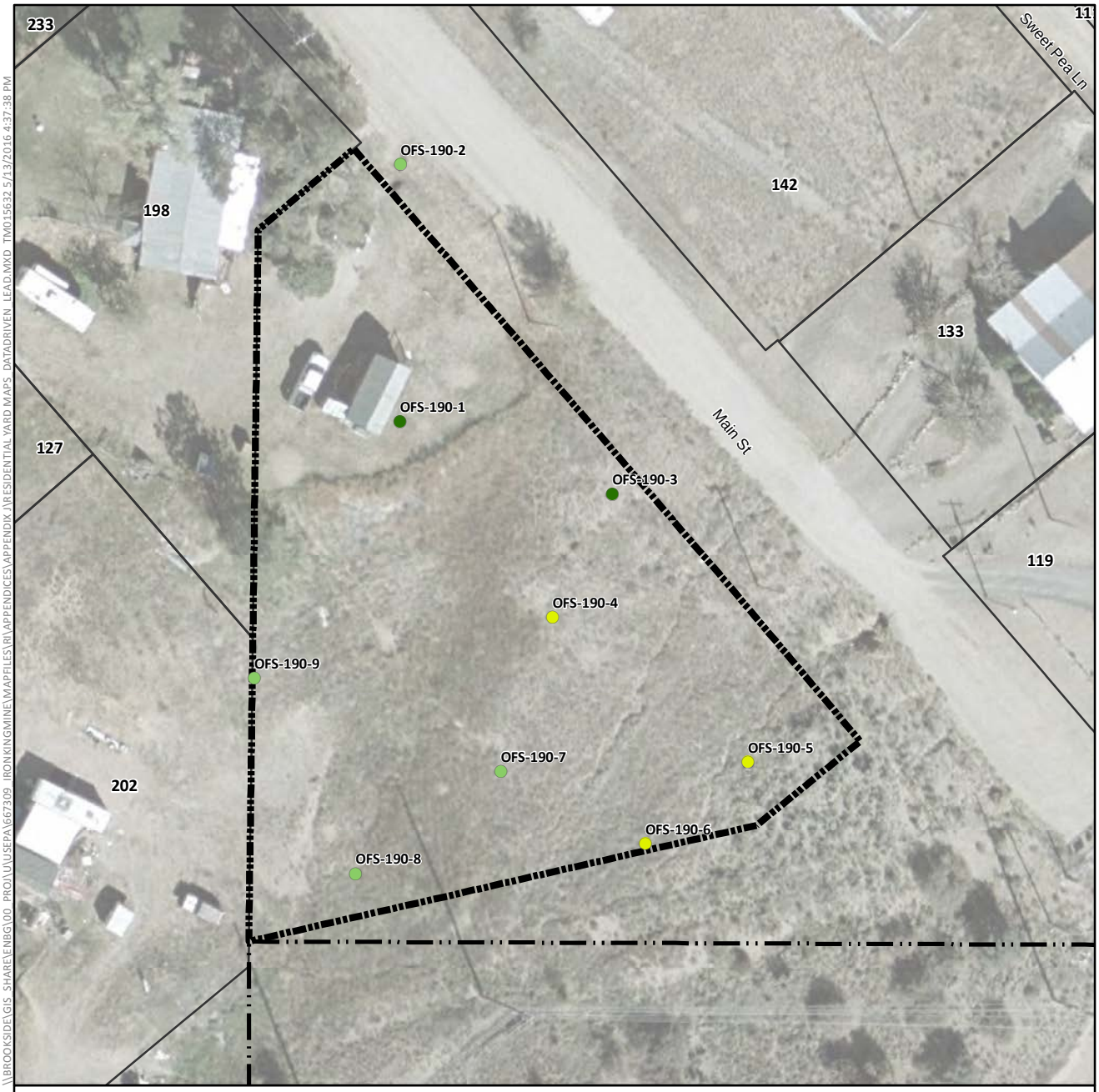


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 189 (Page 189 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



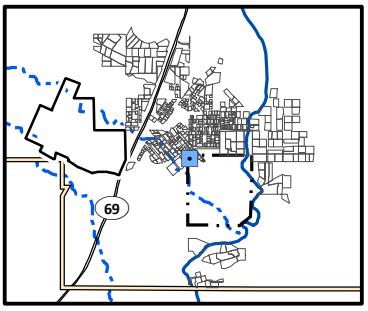
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 190 (Page 190 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



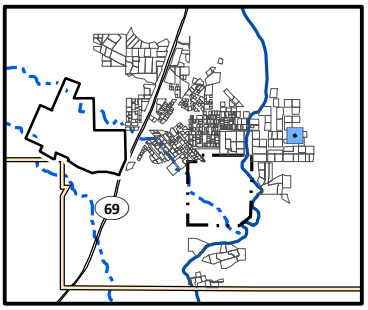
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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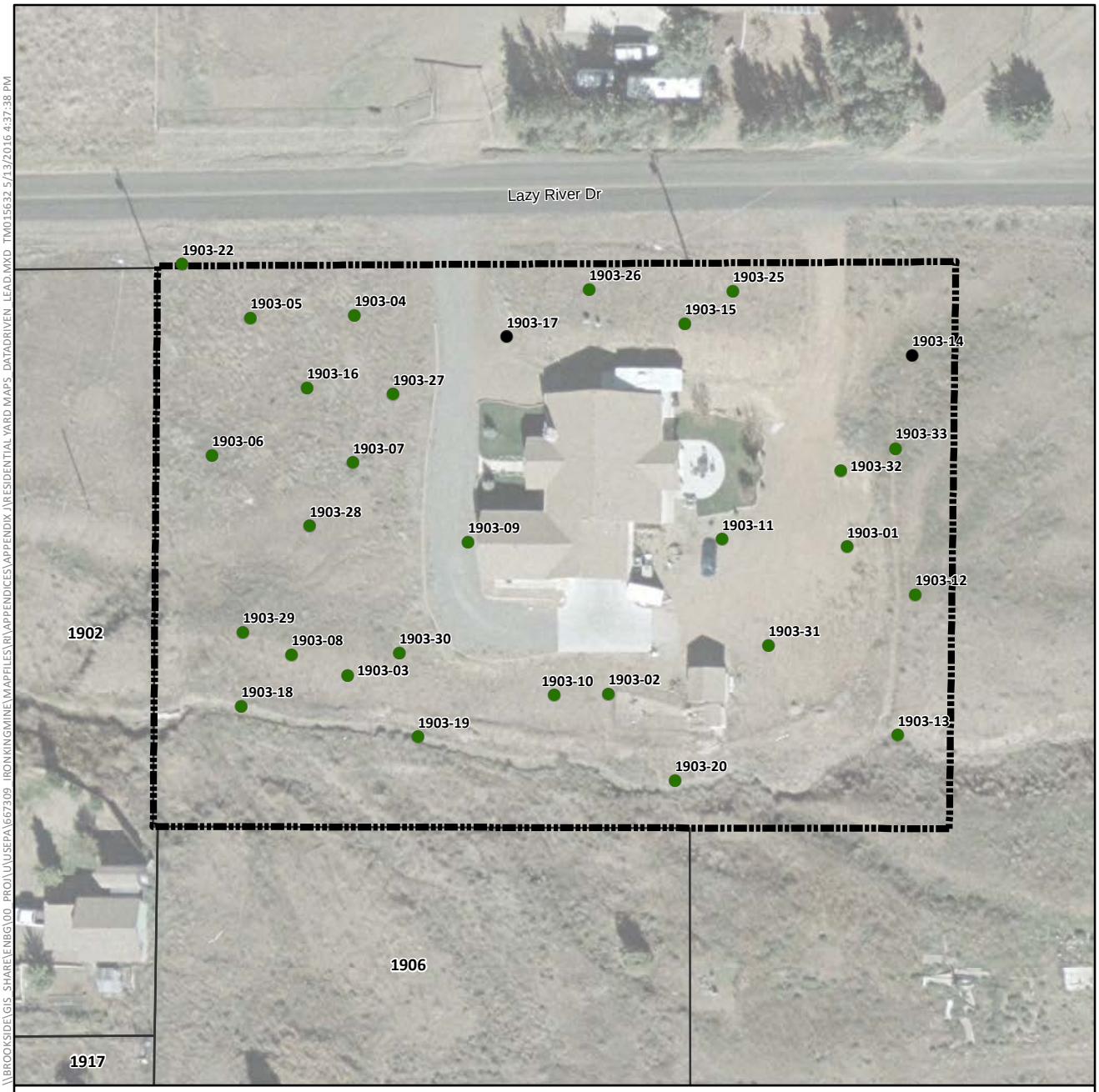


0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1902 (Page 191 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



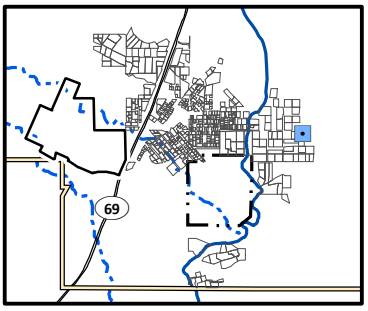
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

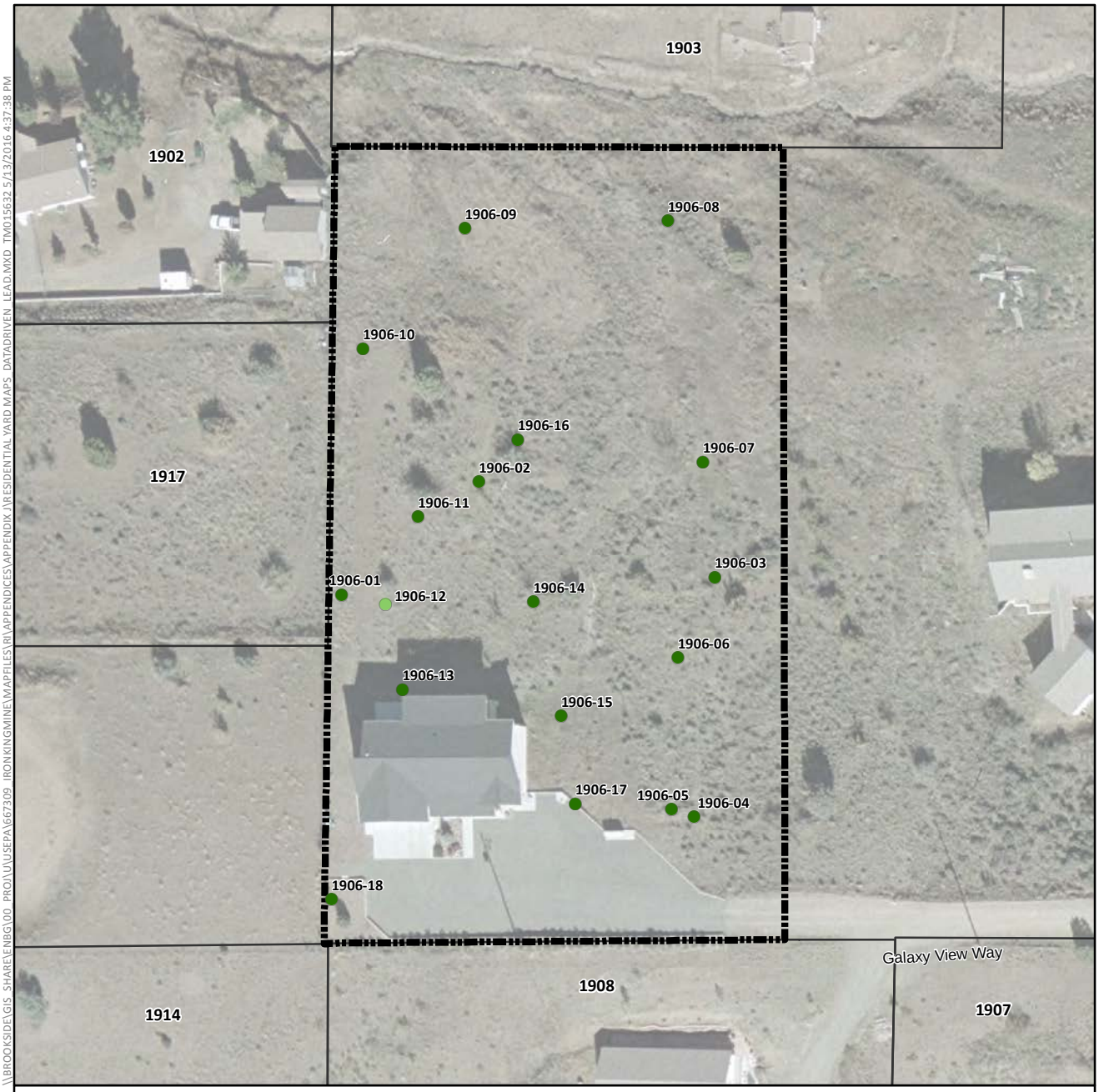


0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1903 (Page 192 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



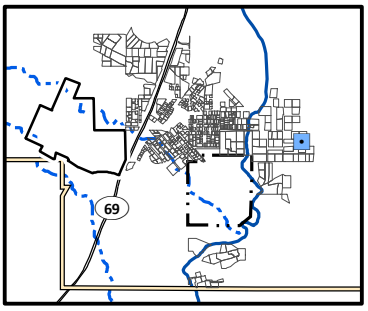
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

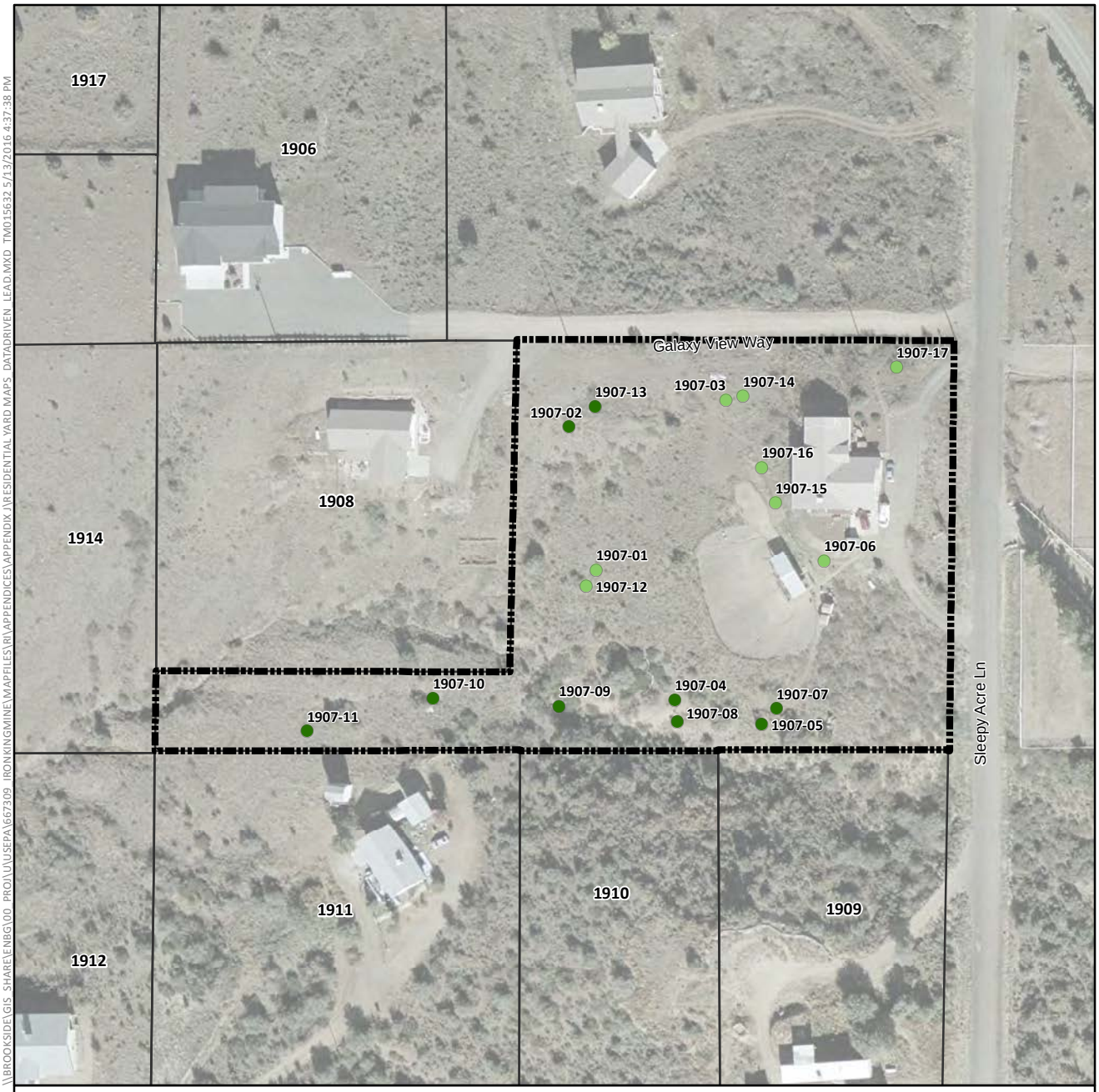
Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 130
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1906 (Page 193 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



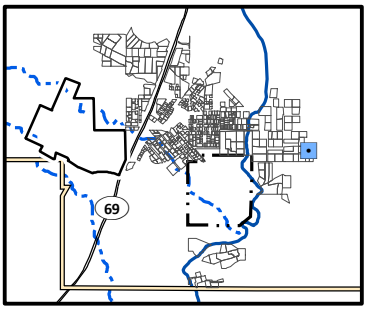
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

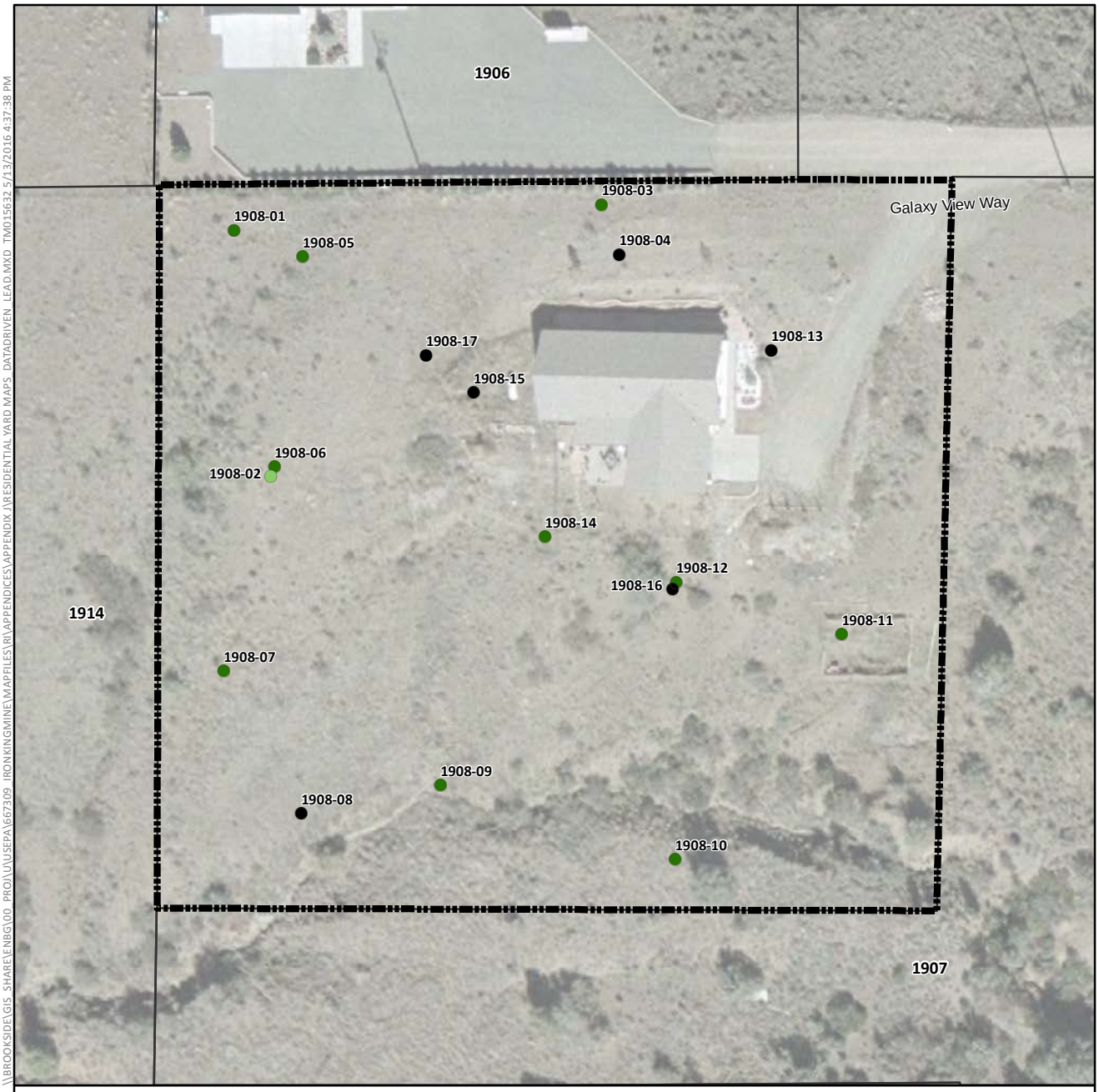
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1907 (Page 194 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



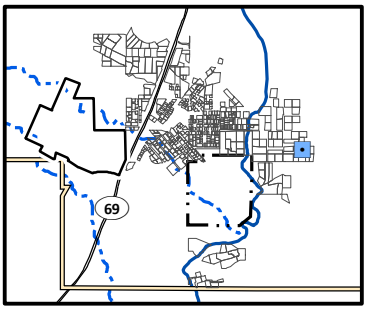
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1908 (Page 195 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



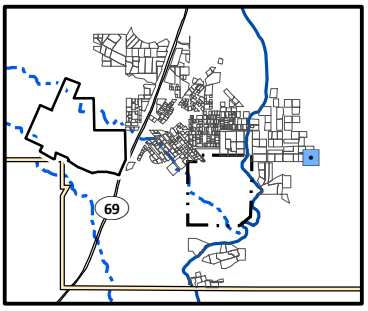
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

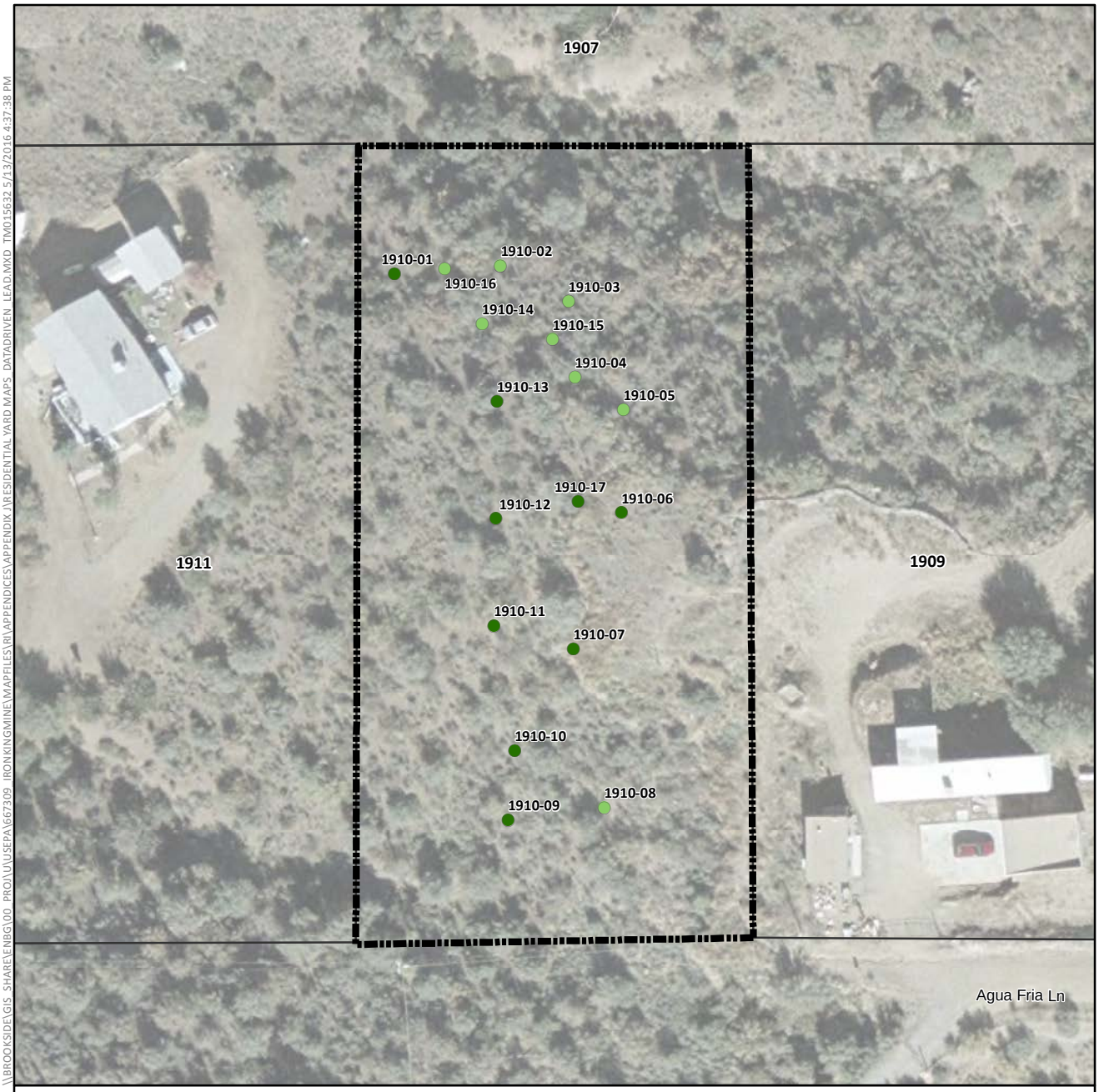
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1909 (Page 196 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



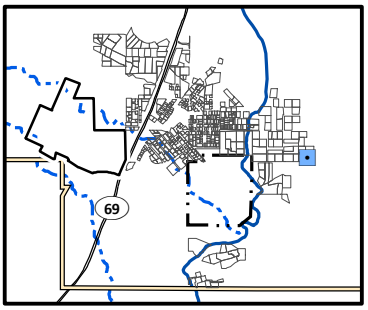
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

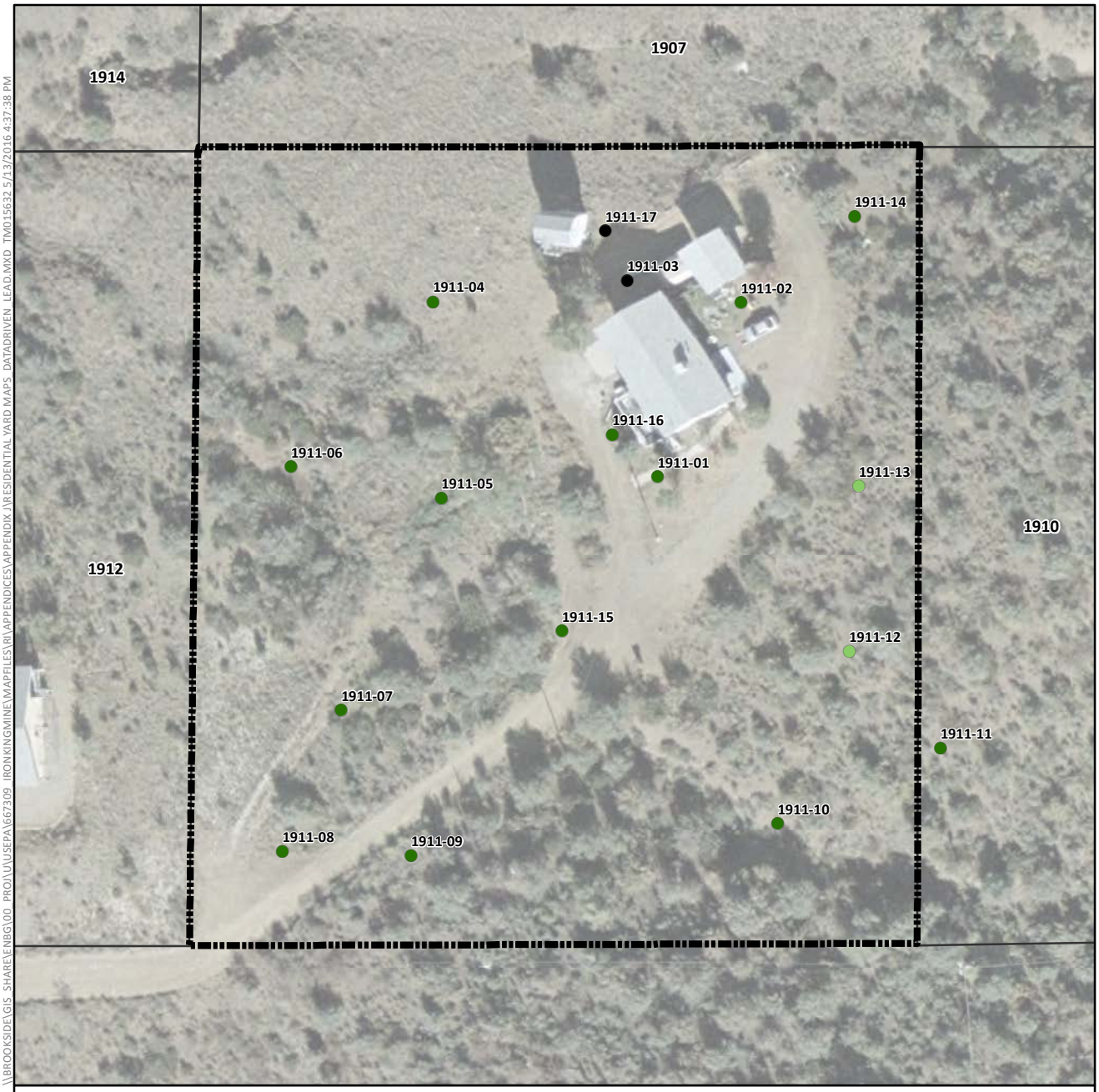
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1910 (Page 197 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



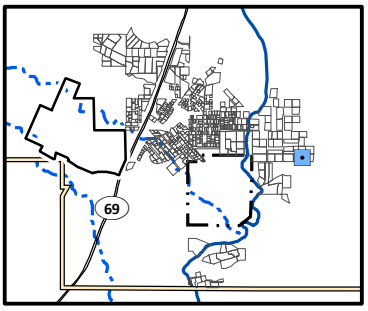
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1911 (Page 198 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



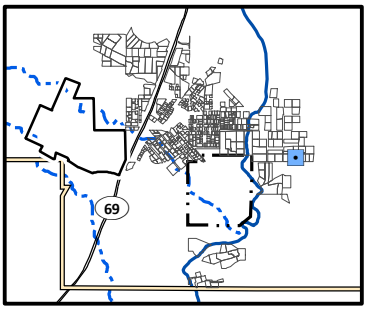
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

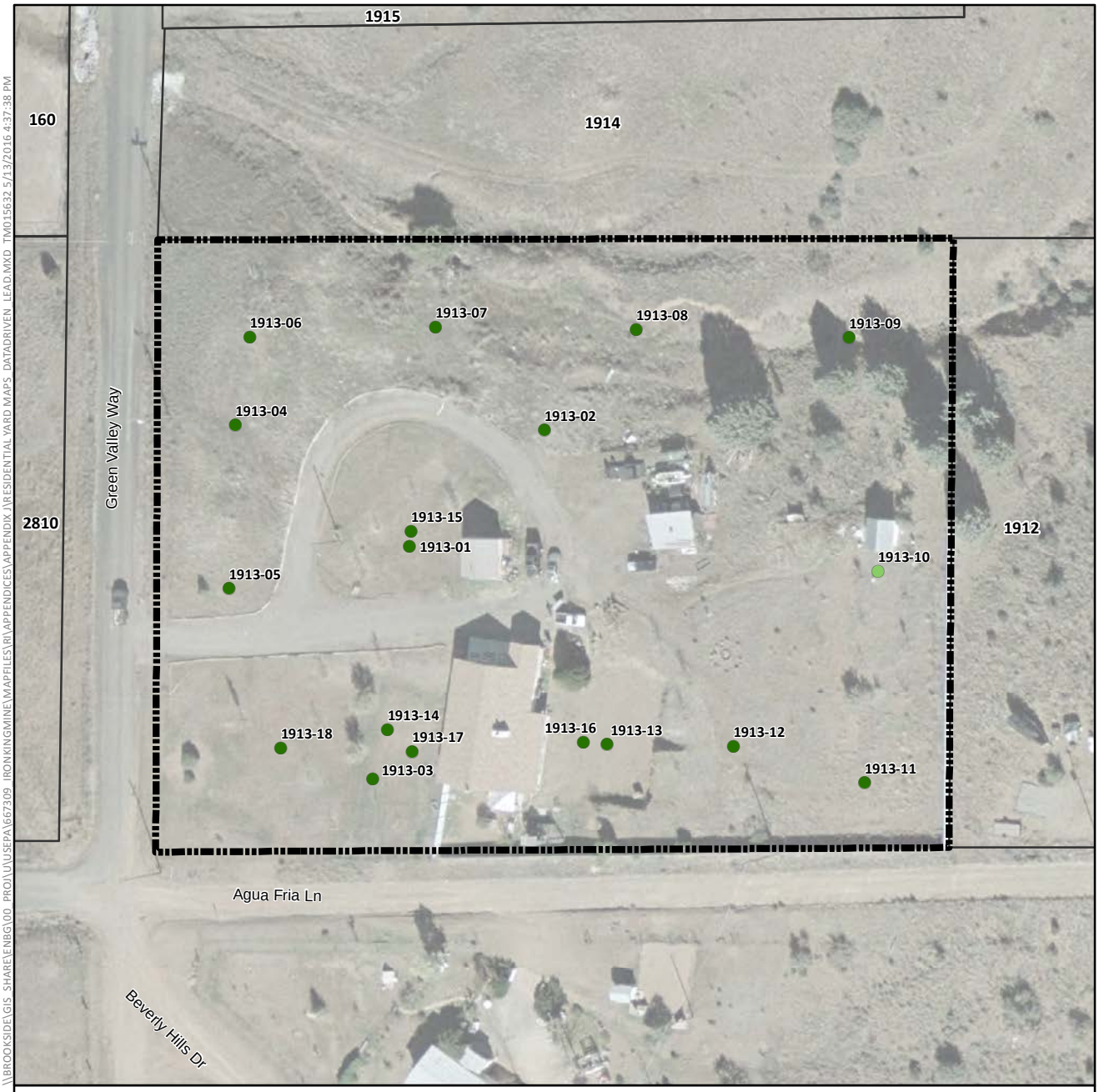


0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 1912 (Page 199 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



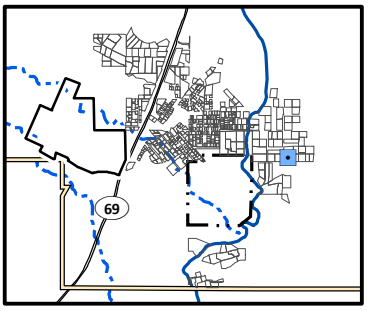
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

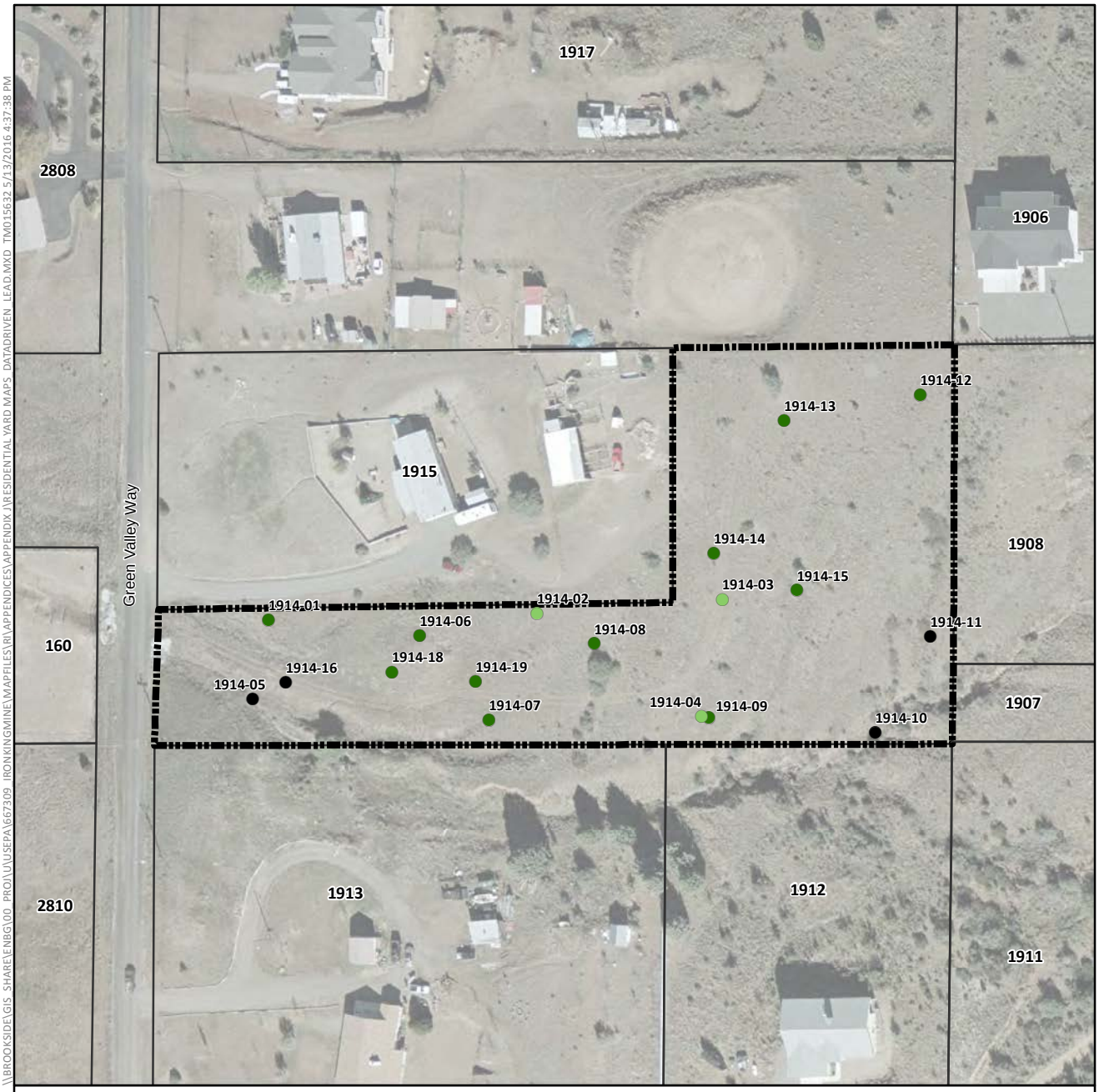
Notes:
RSL = EPA Regional Screening Level.
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 130
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1913 (Page 200 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



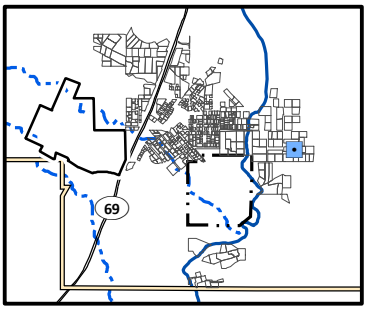
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

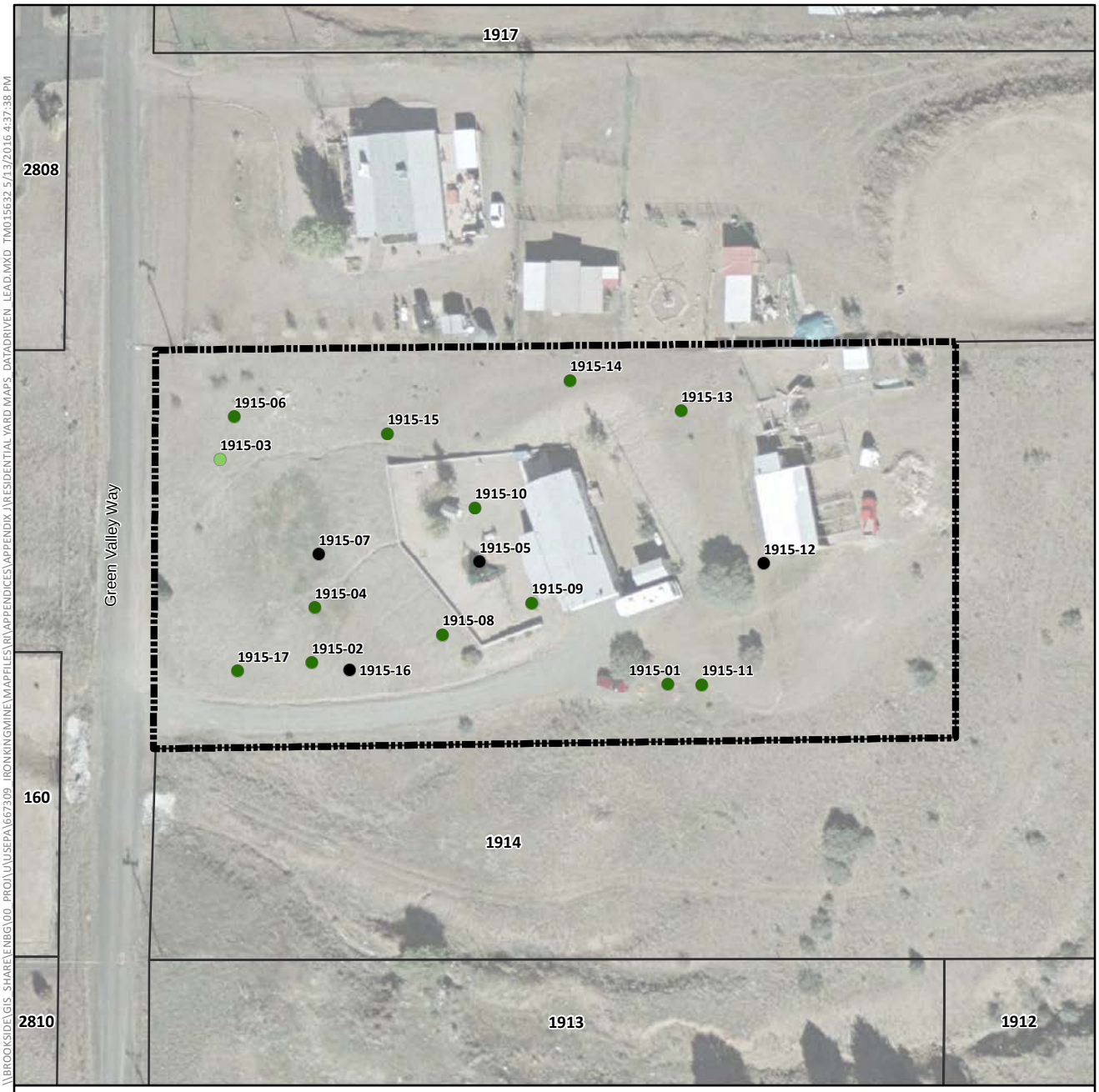
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 210
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1914 (Page 201 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



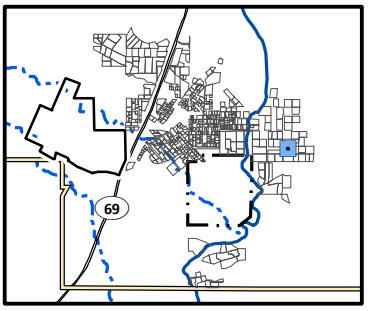
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 130
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1915 (Page 202 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



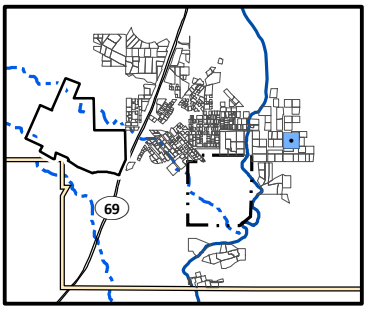
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

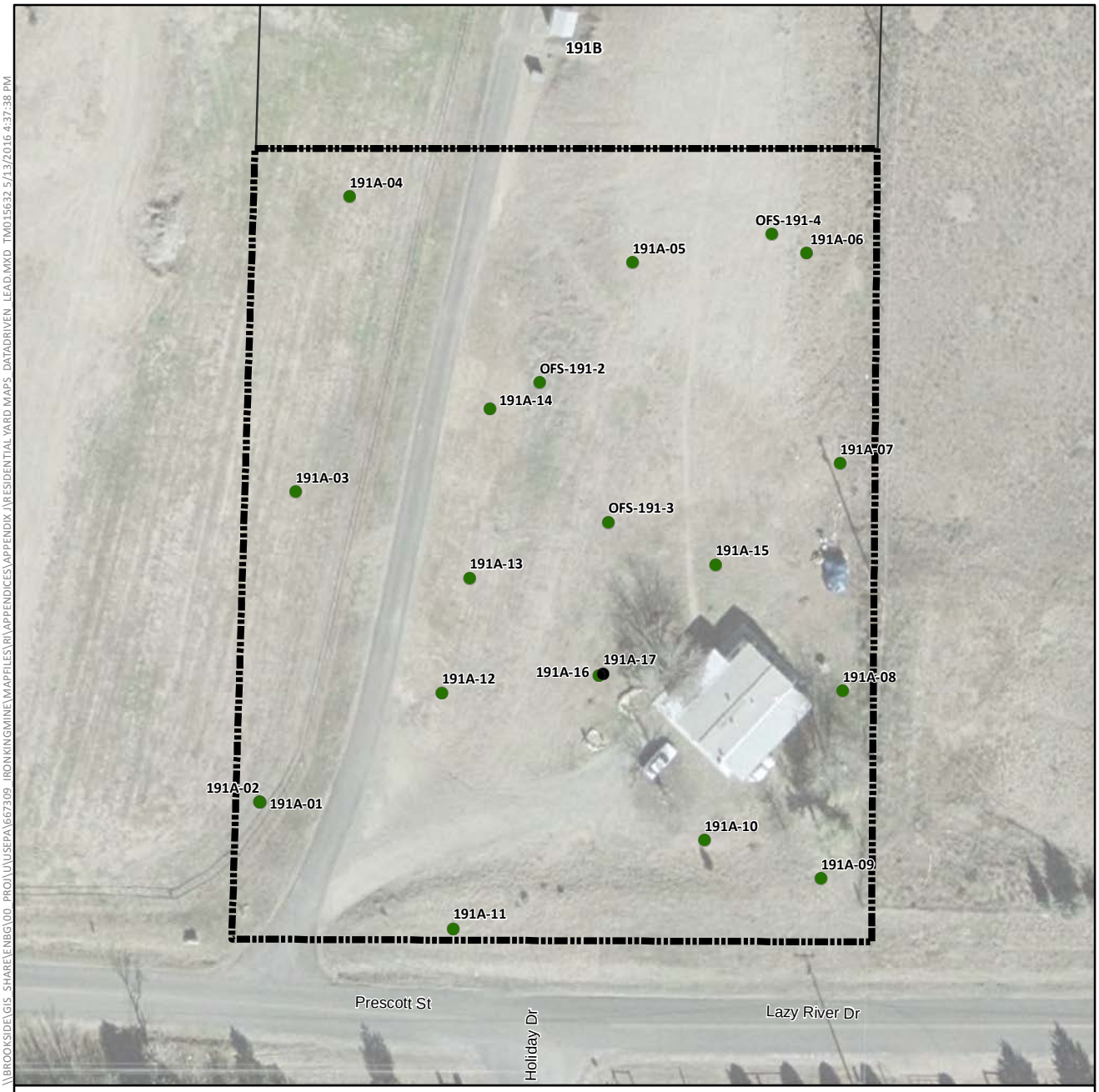
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 210
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 1917 (Page 203 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



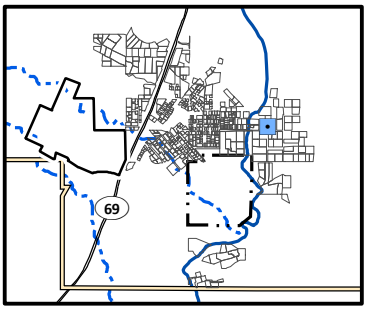
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 191A (Page 204 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



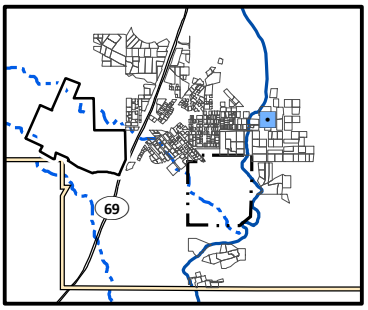
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 191B (Page 205 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



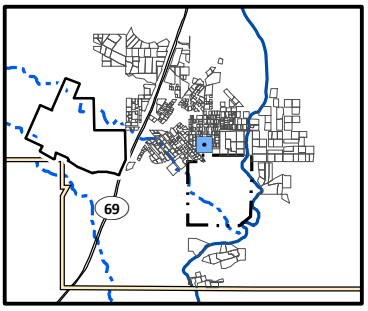
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 192 (Page 206 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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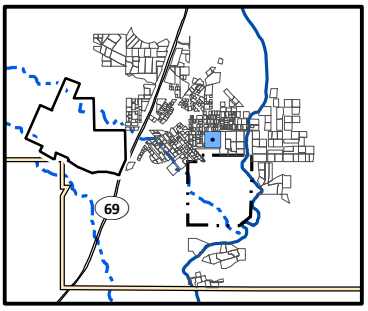


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 193 (Page 207 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



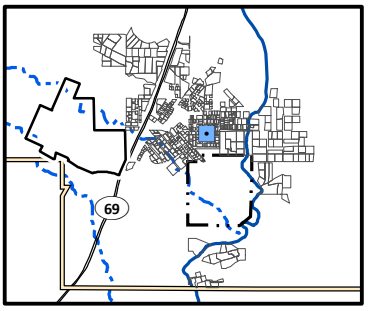
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 194 (Page 208 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



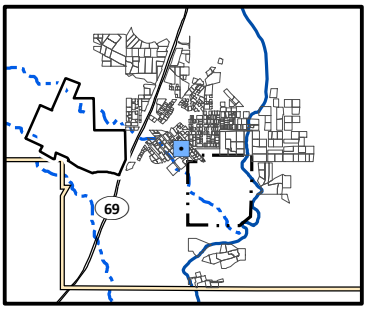
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 195 (Page 209 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



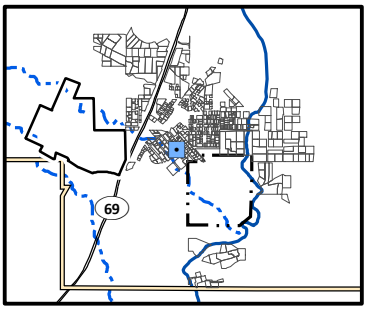
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

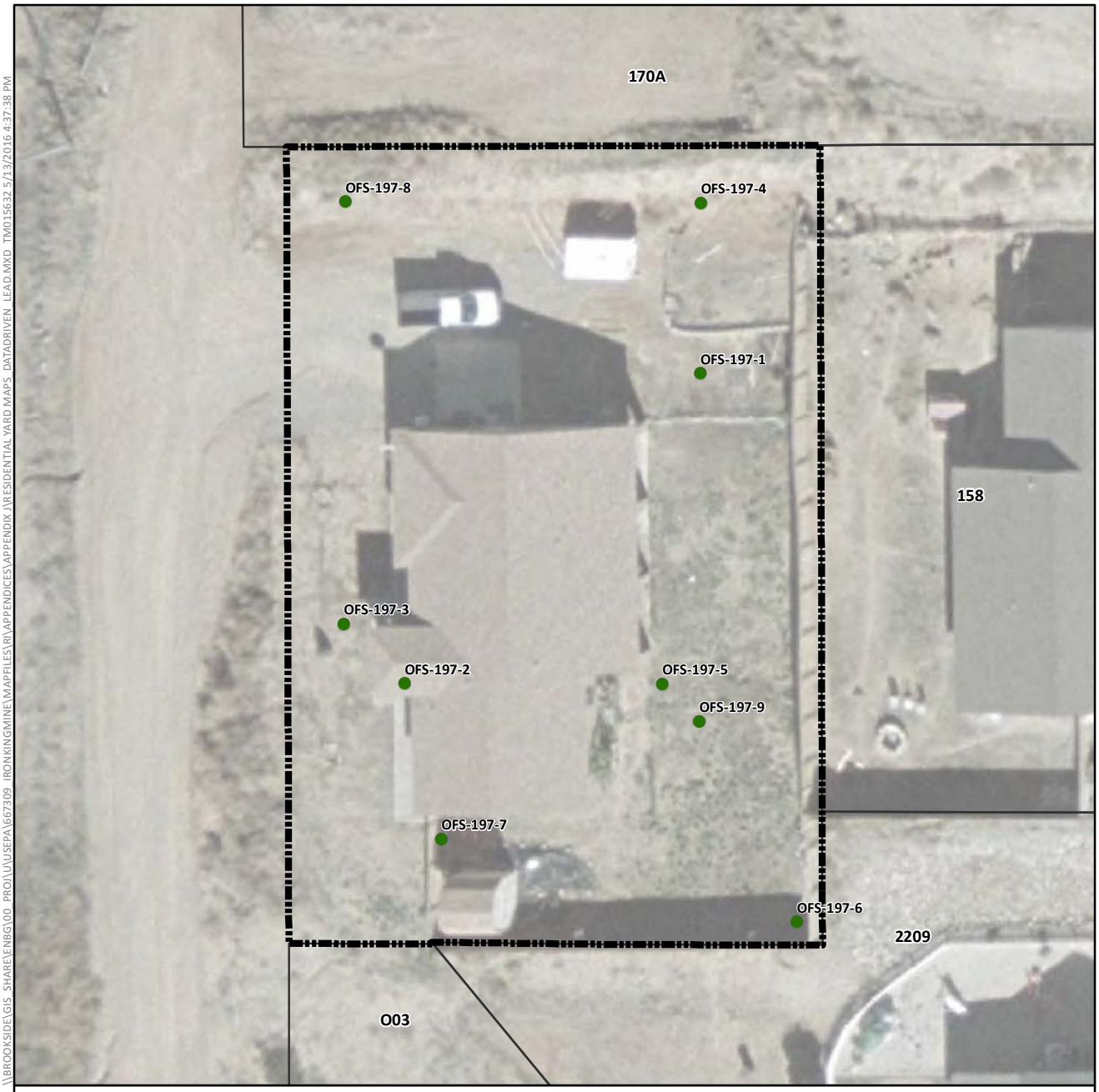


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 196 (Page 210 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



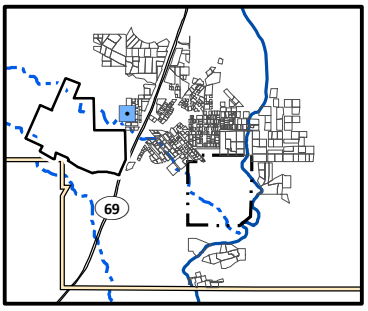
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 197 (Page 211 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



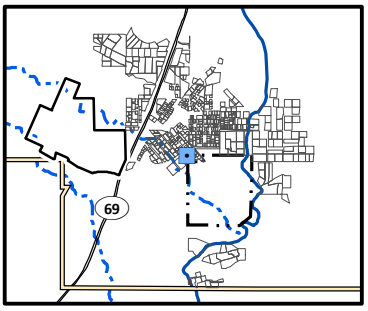
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

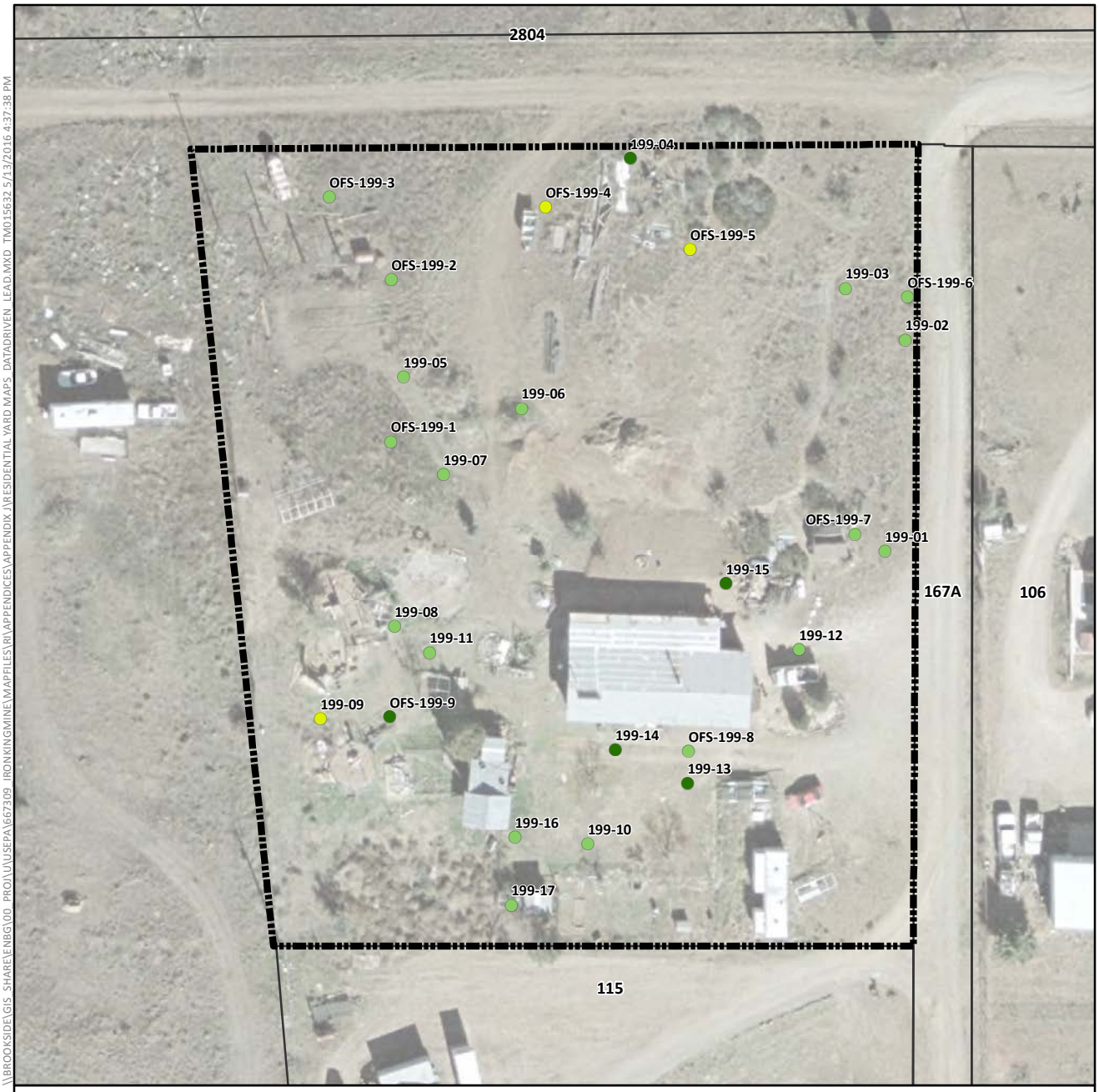
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 198 (Page 212 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



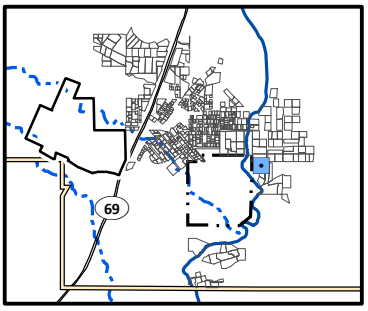
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >1,200 to 2,400
- >2,400 to 4,800
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

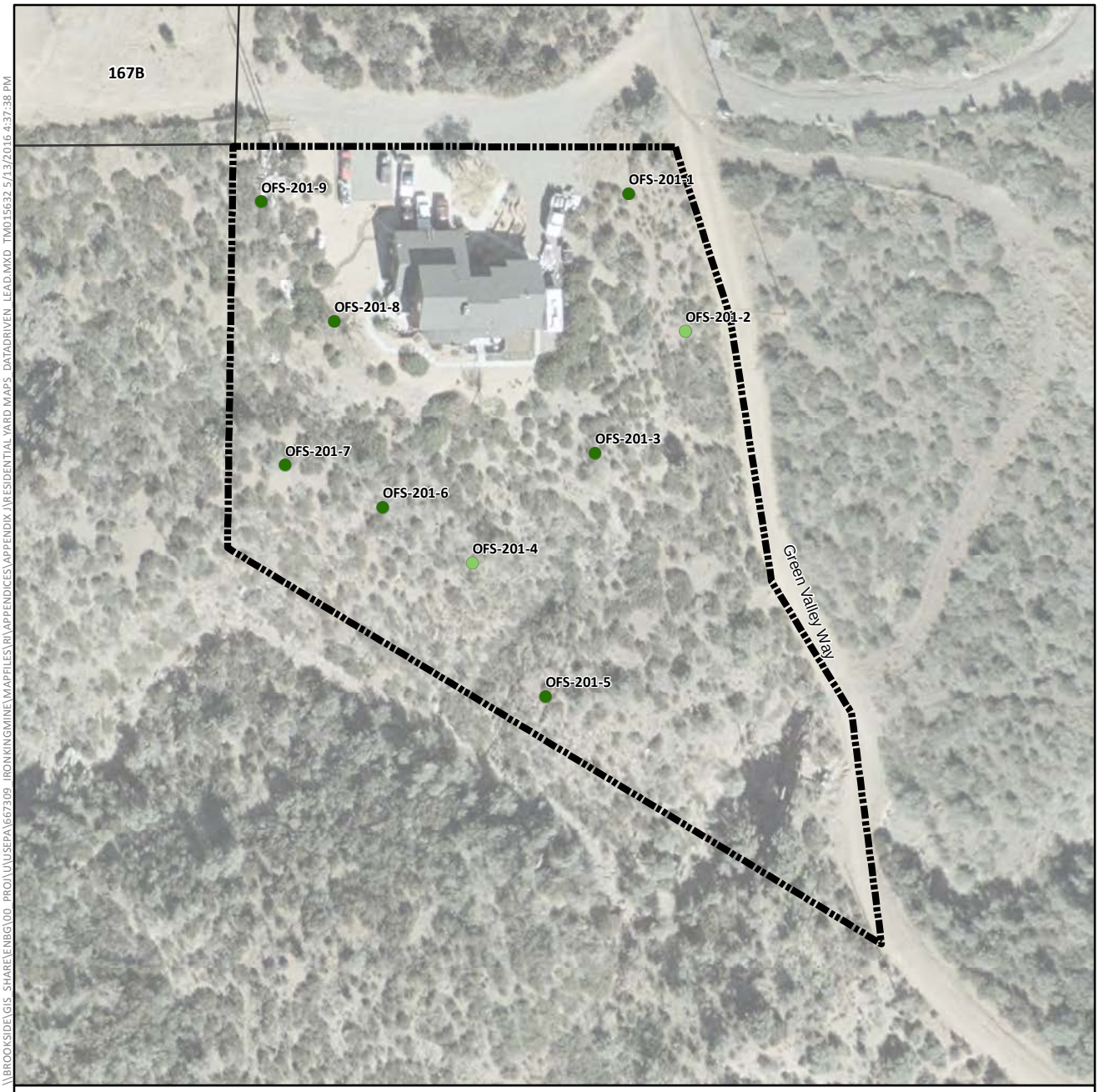
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 199 (Page 213 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



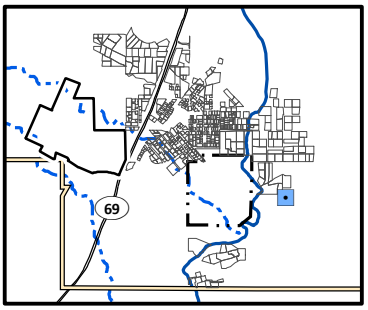
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

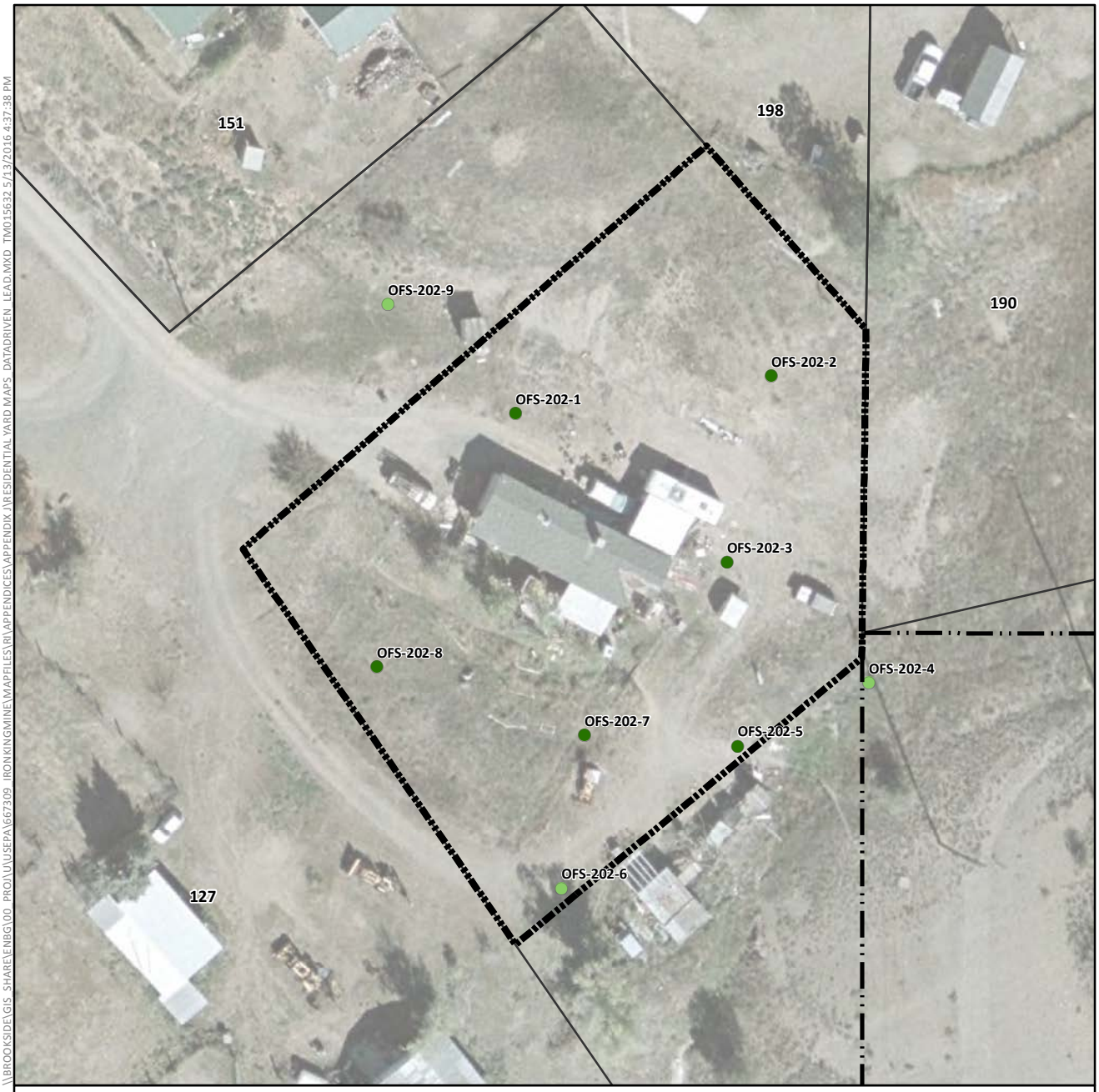
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 201 (Page 214 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



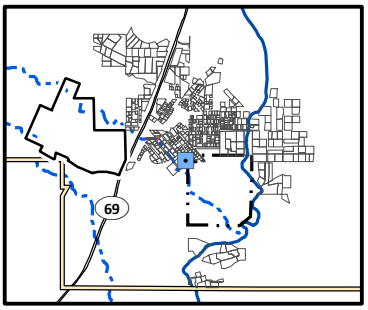
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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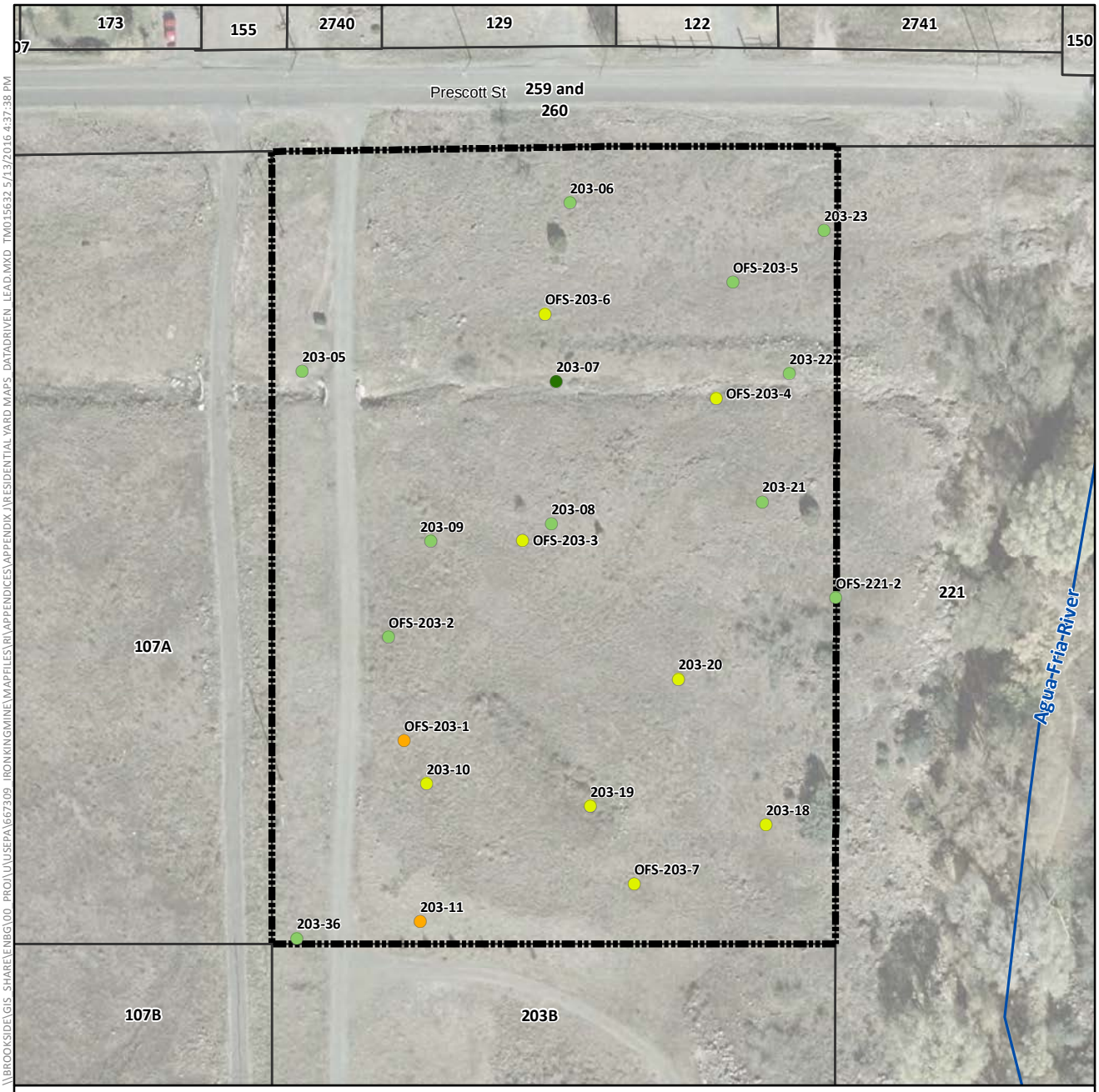


0 90
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 202 (Page 215 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



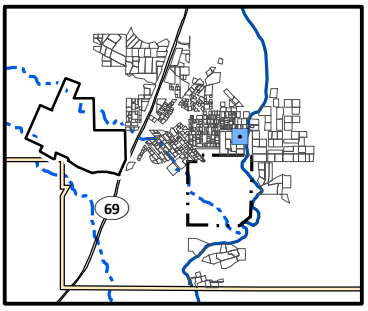
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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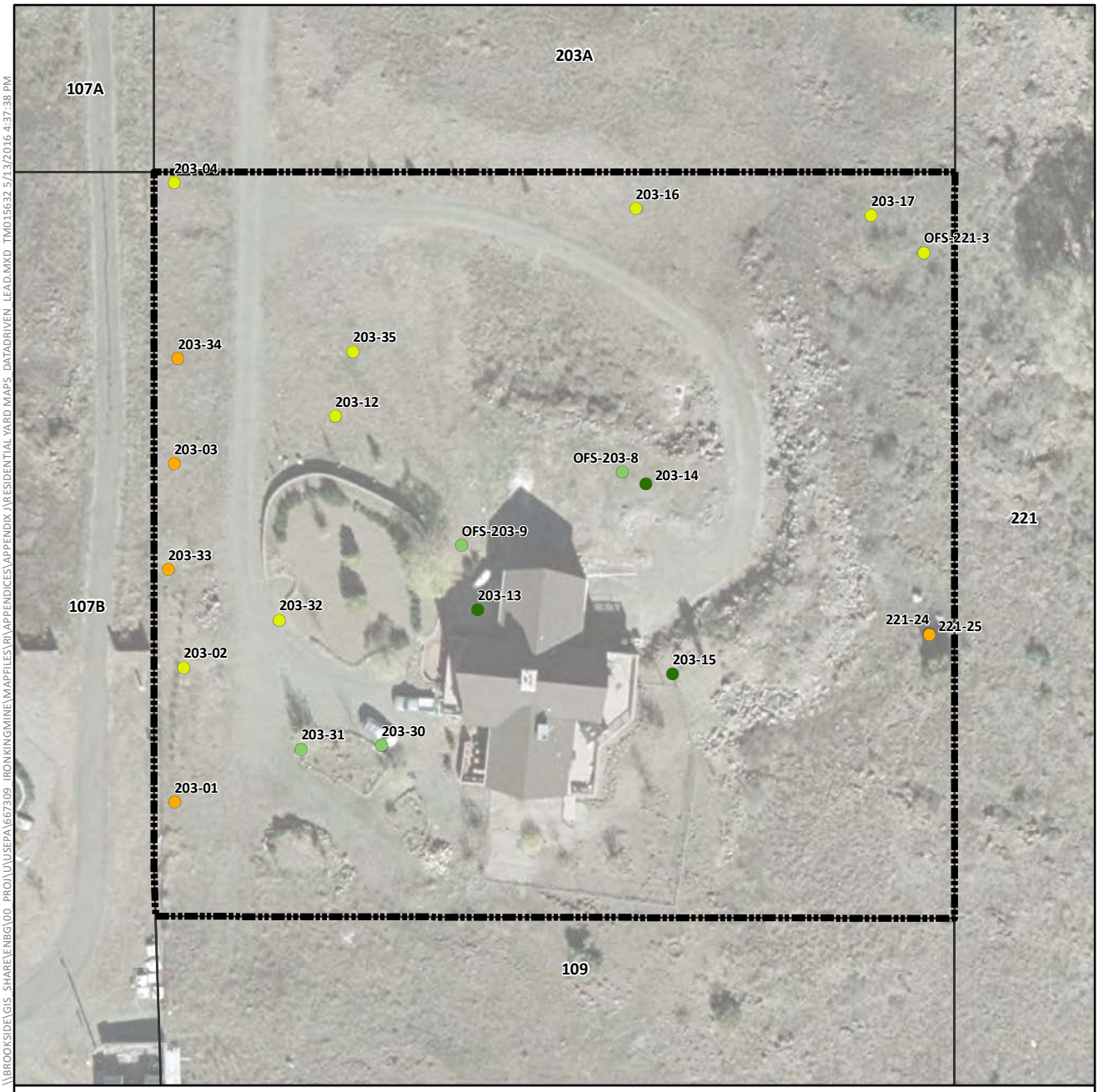
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 203A (Page 216 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



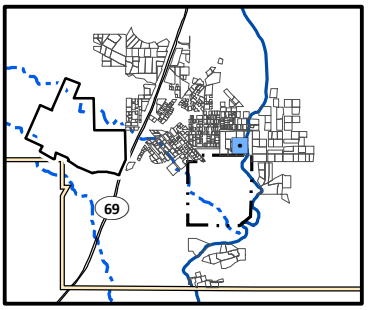
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

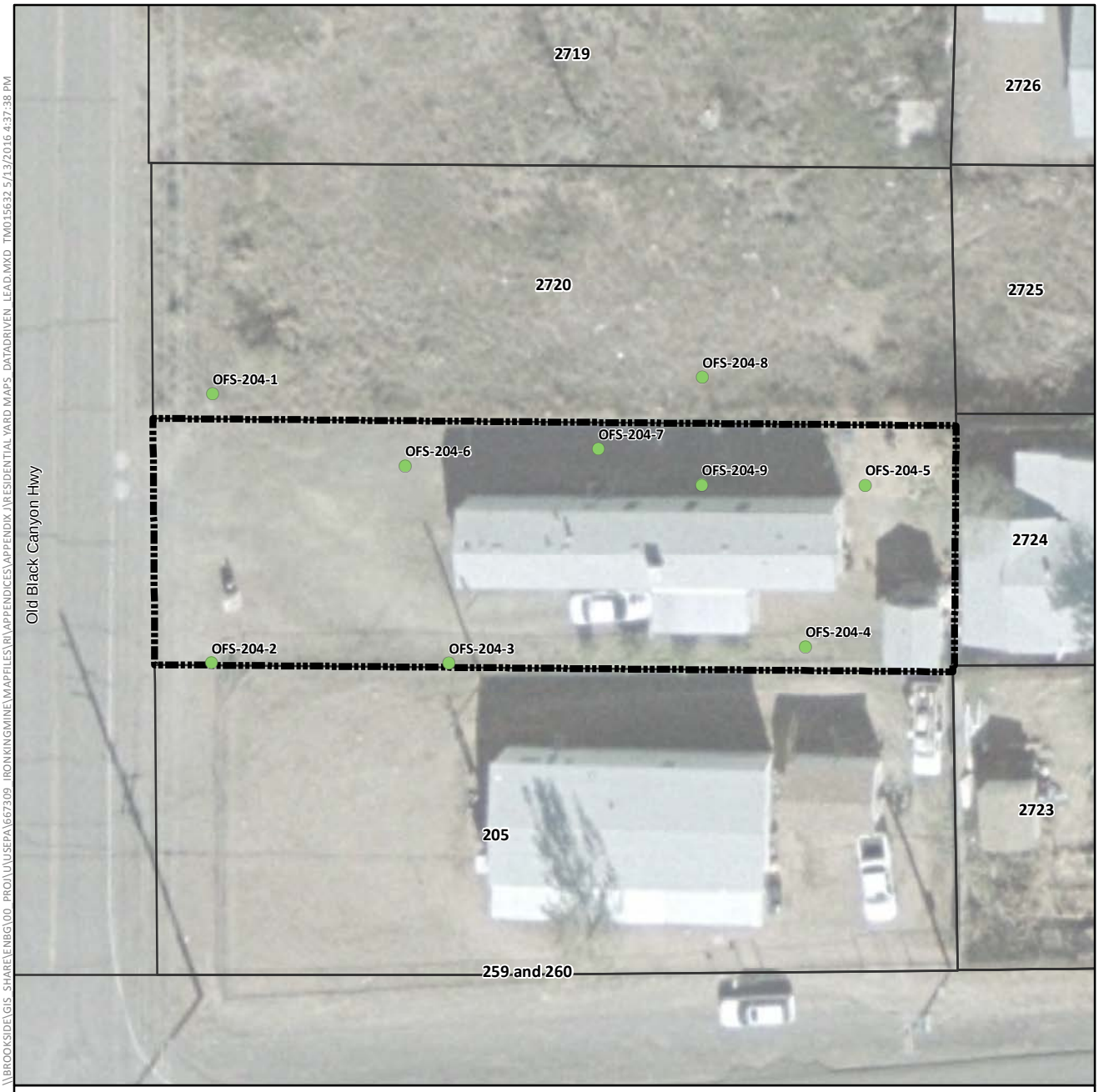


0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 203B (Page 217 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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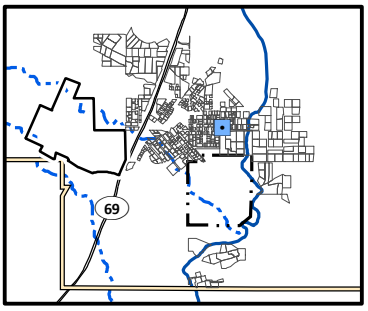


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
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- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
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[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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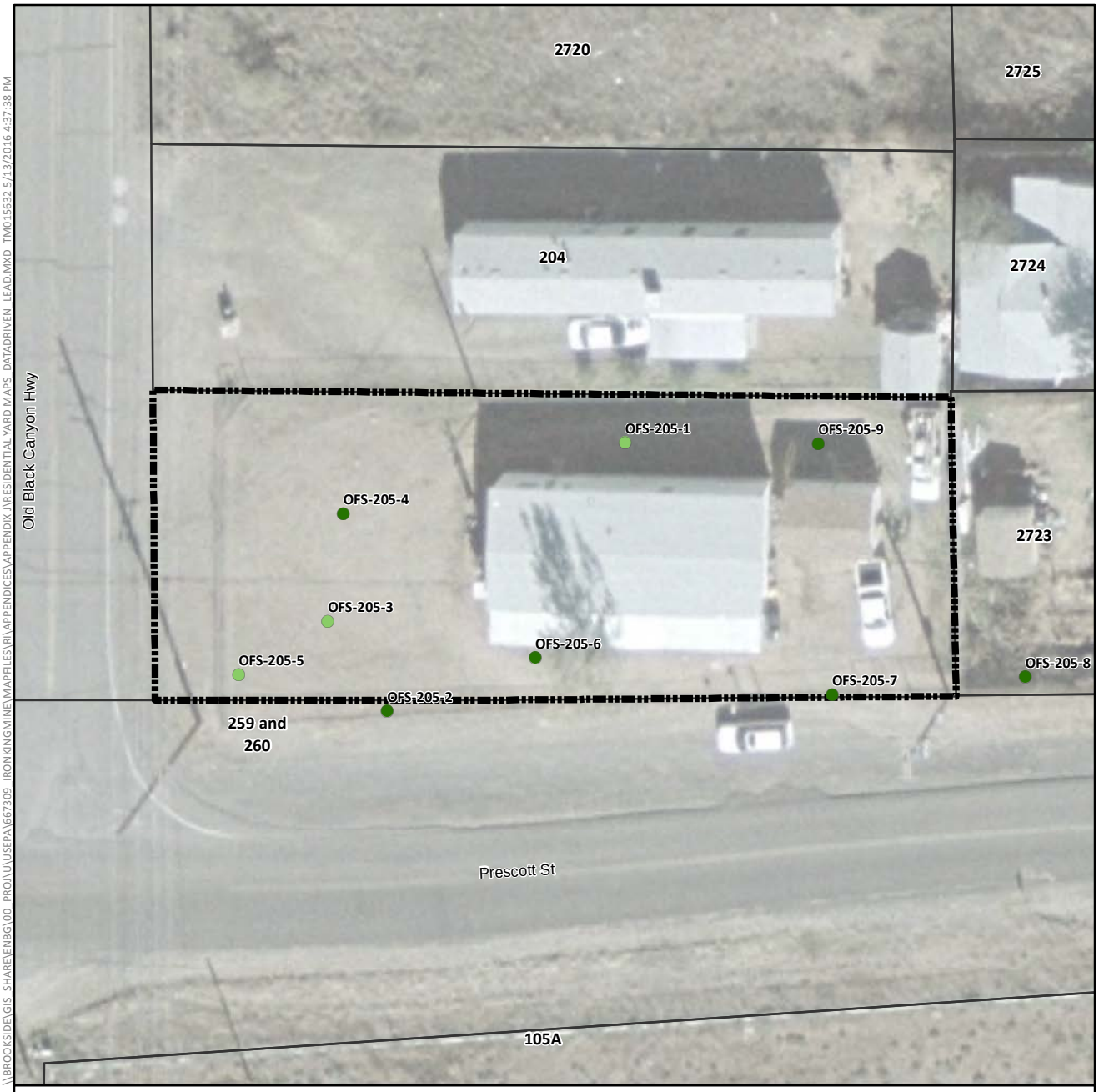


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 204 (Page 218 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



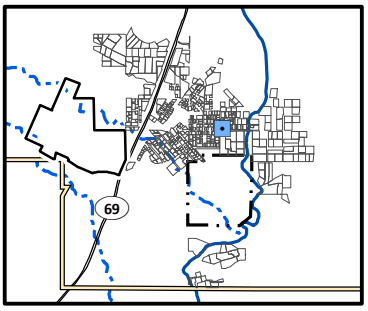
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

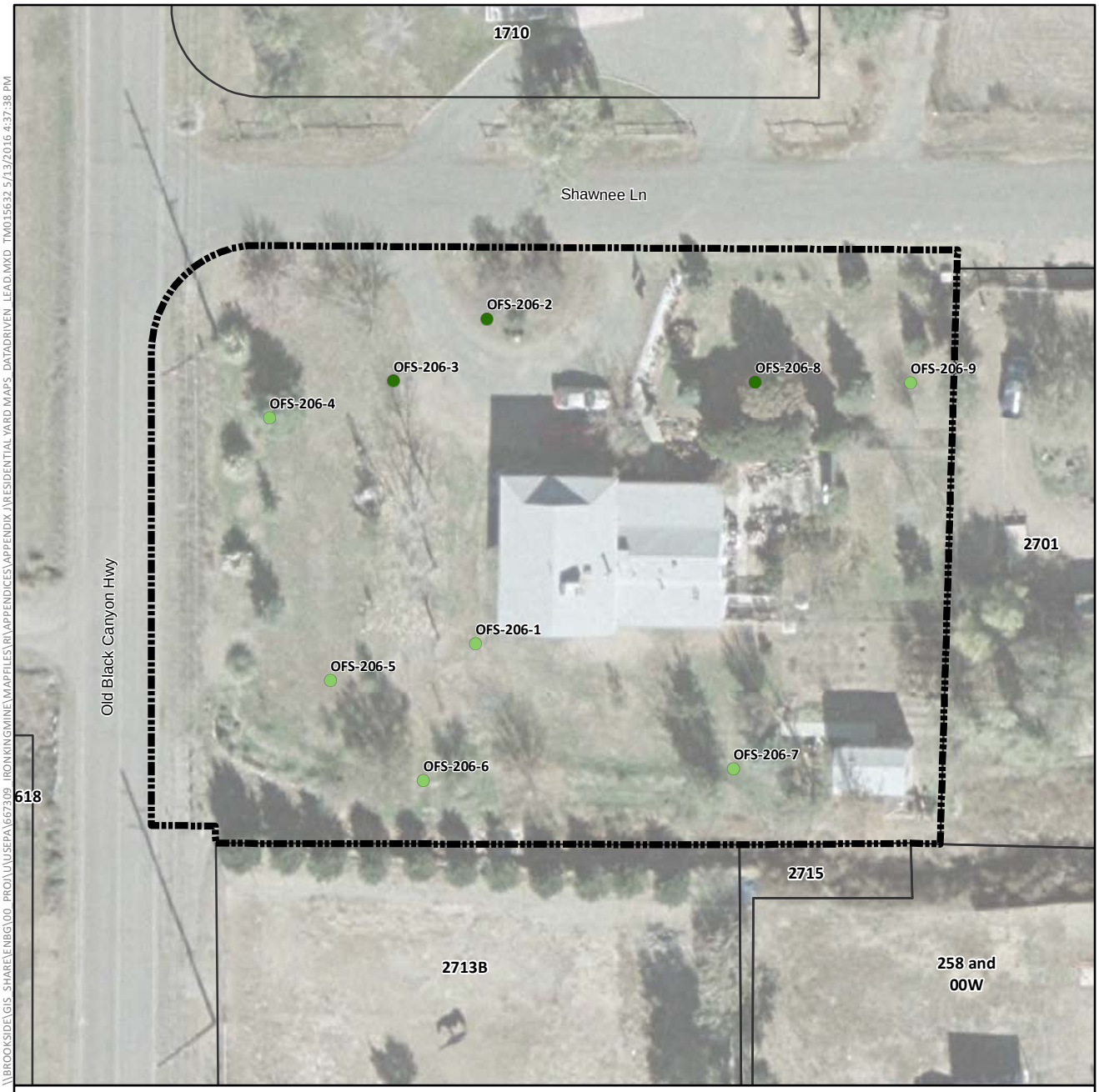
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 205 (Page 219 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



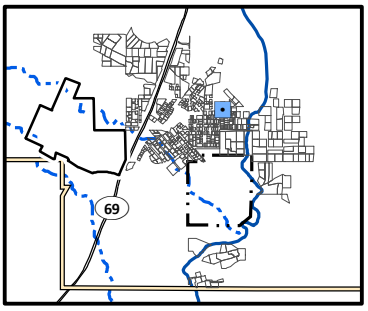
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 206 (Page 220 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



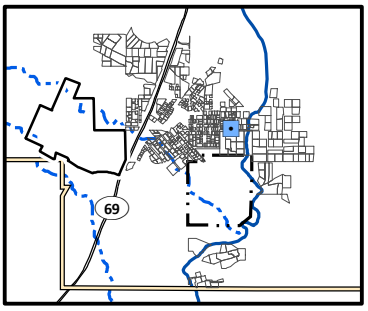
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

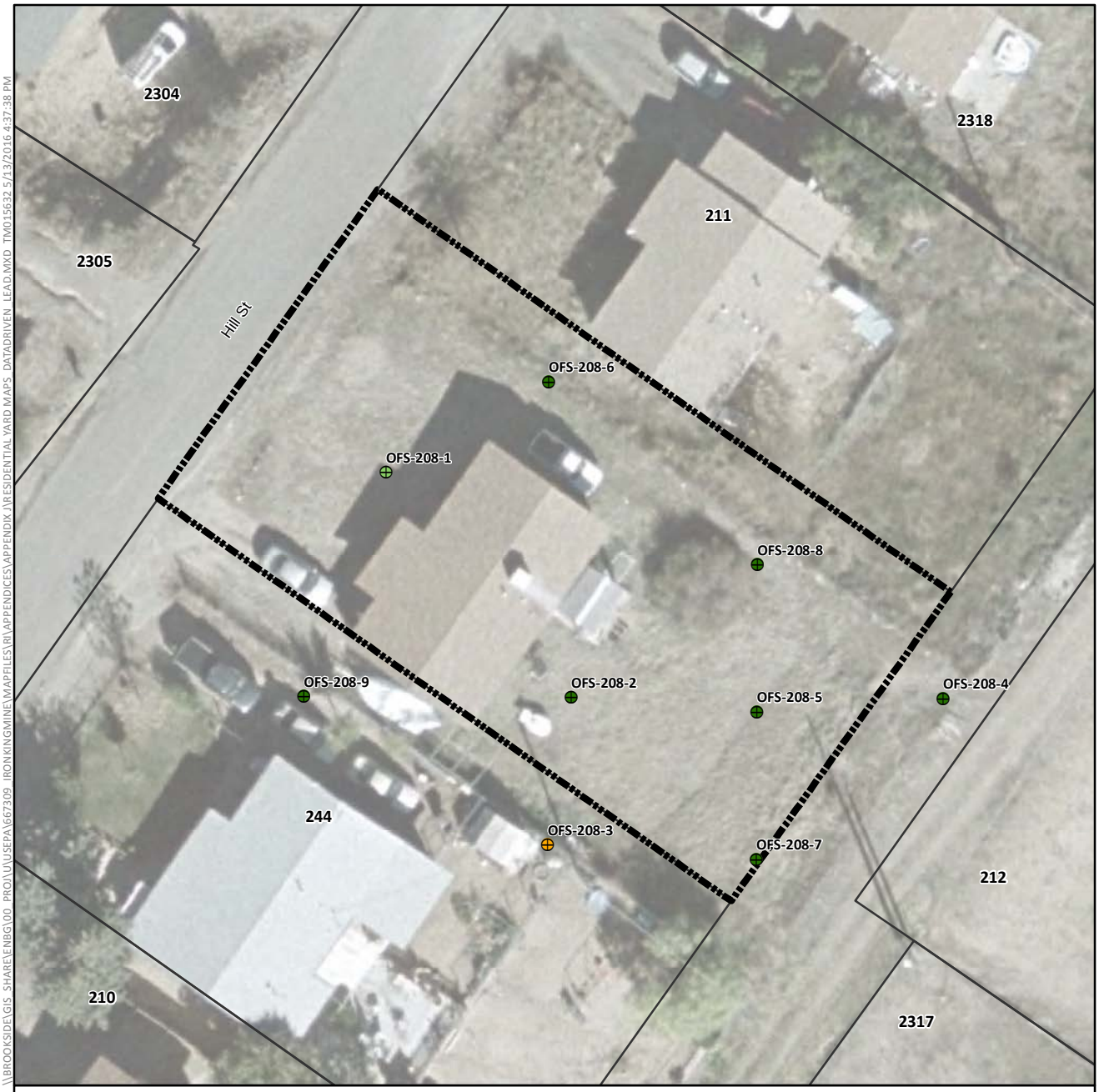


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 207 (Page 221 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



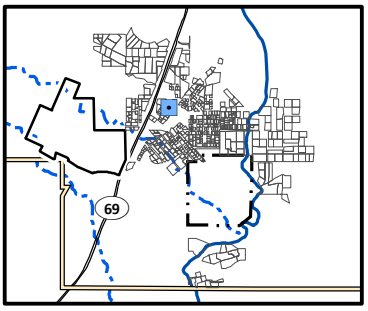
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 208 (Page 222 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



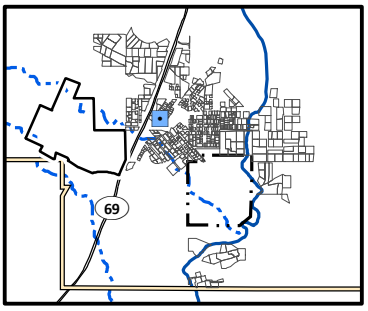
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 209 (Page 223 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



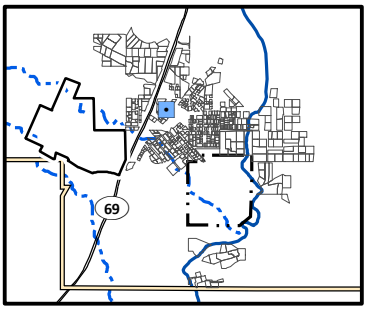
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

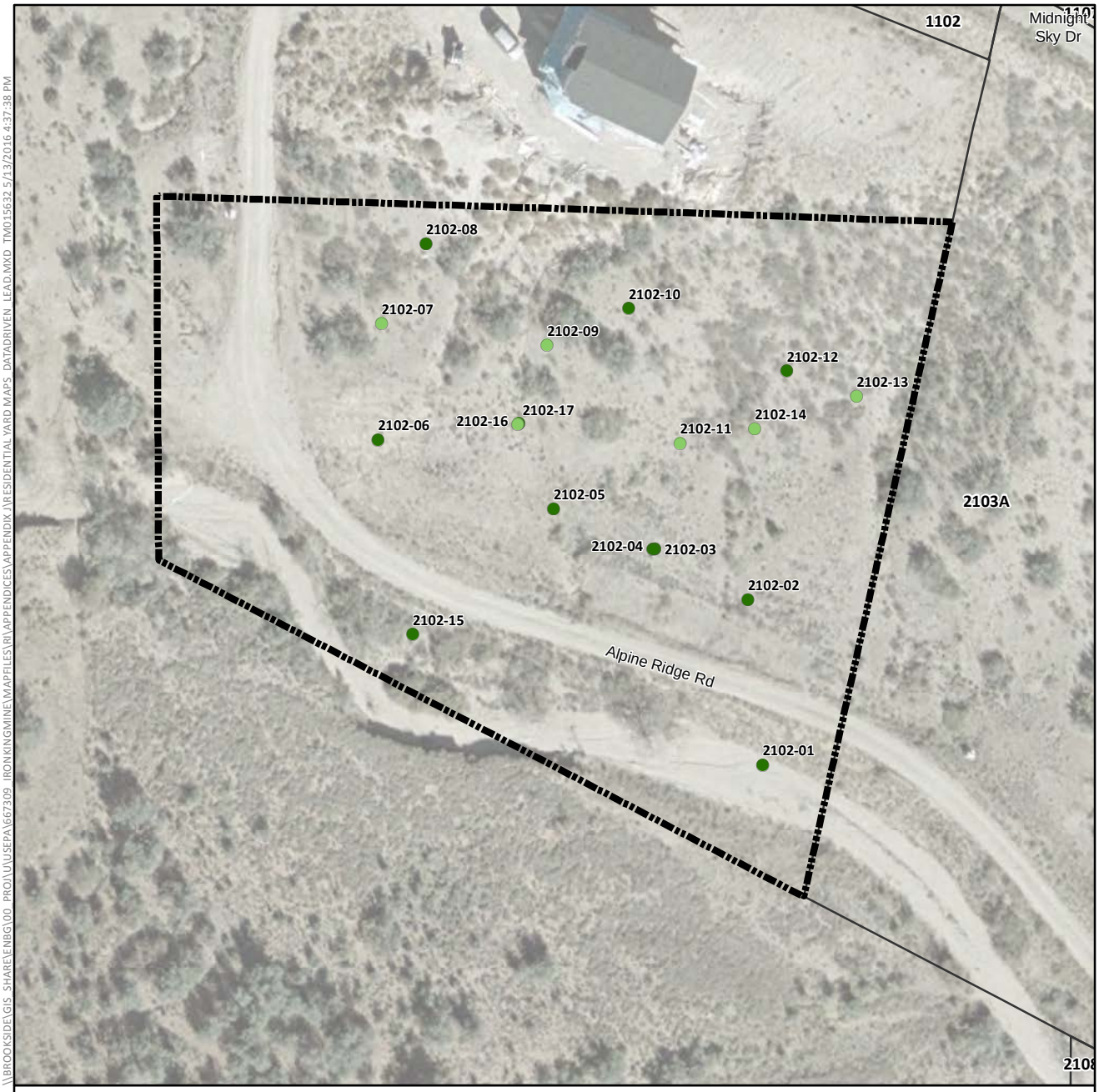
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 210 (Page 224 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



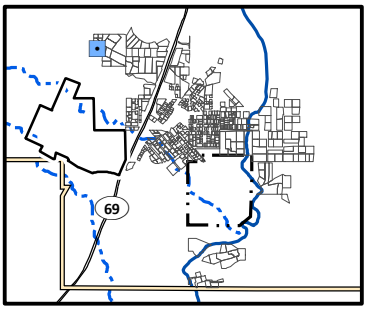
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

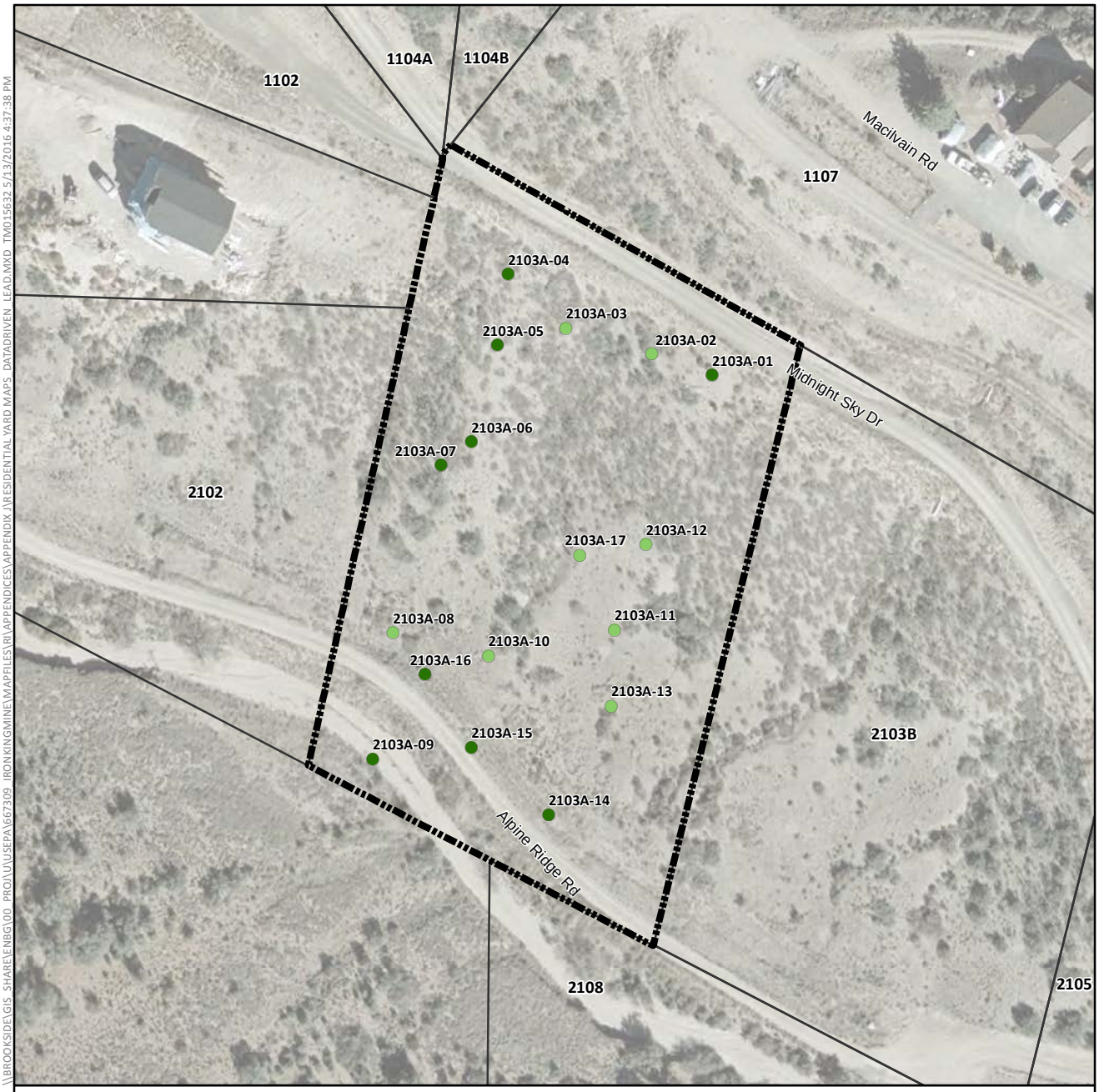
Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2102 (Page 225 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



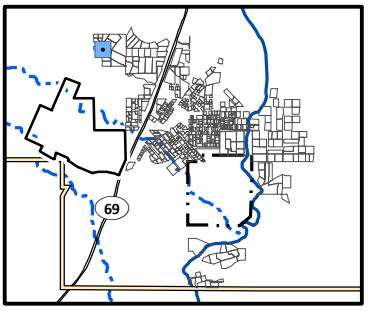
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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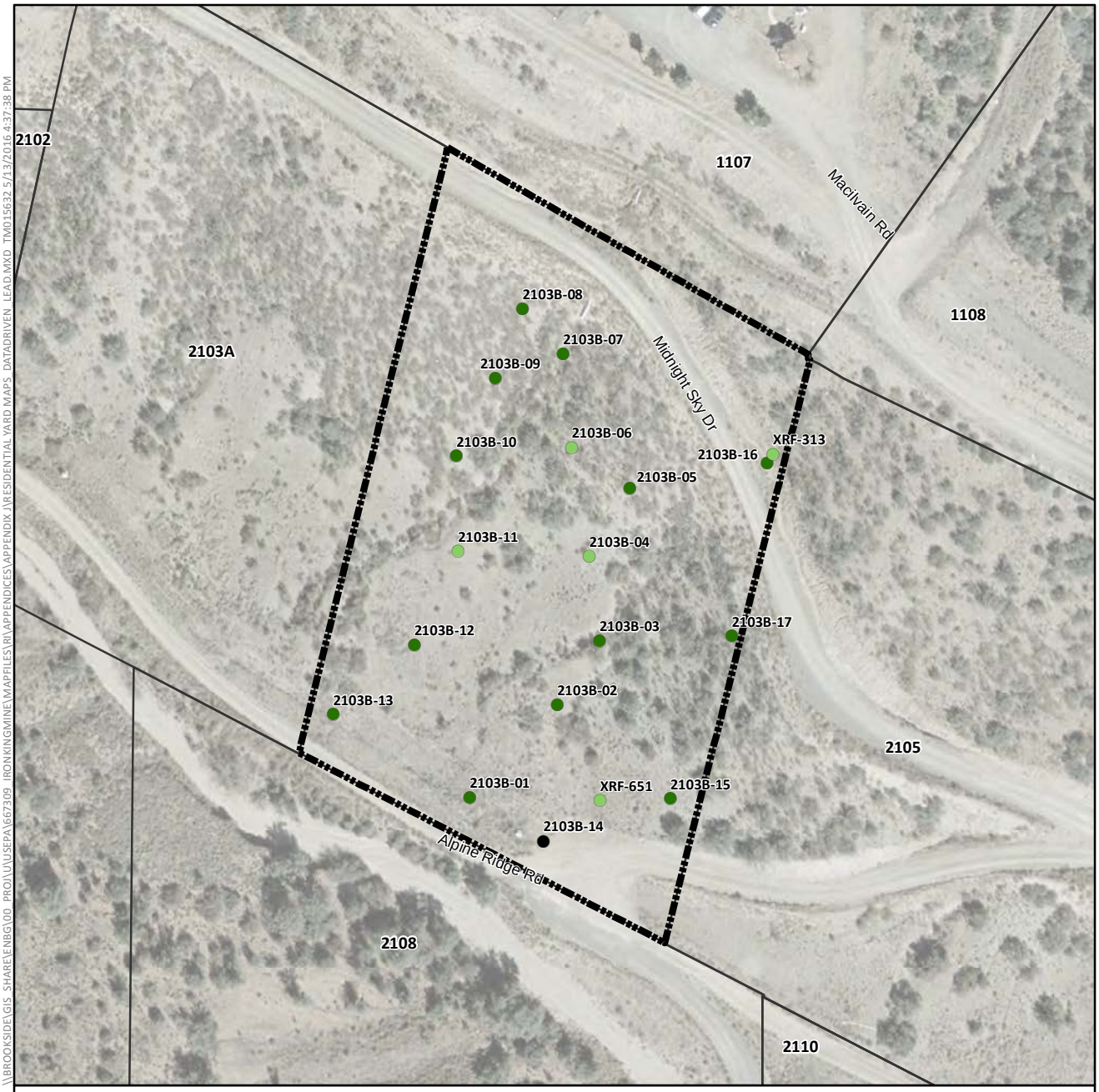


0 150
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2103A (Page 226 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



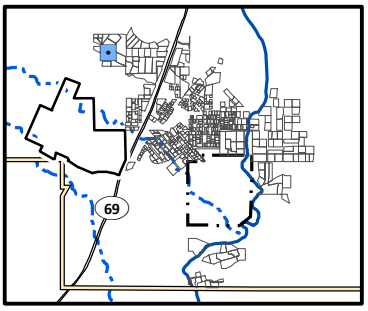
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2103B (Page 227 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



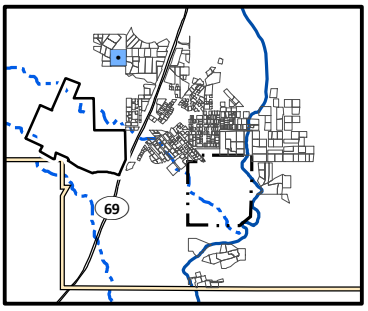
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

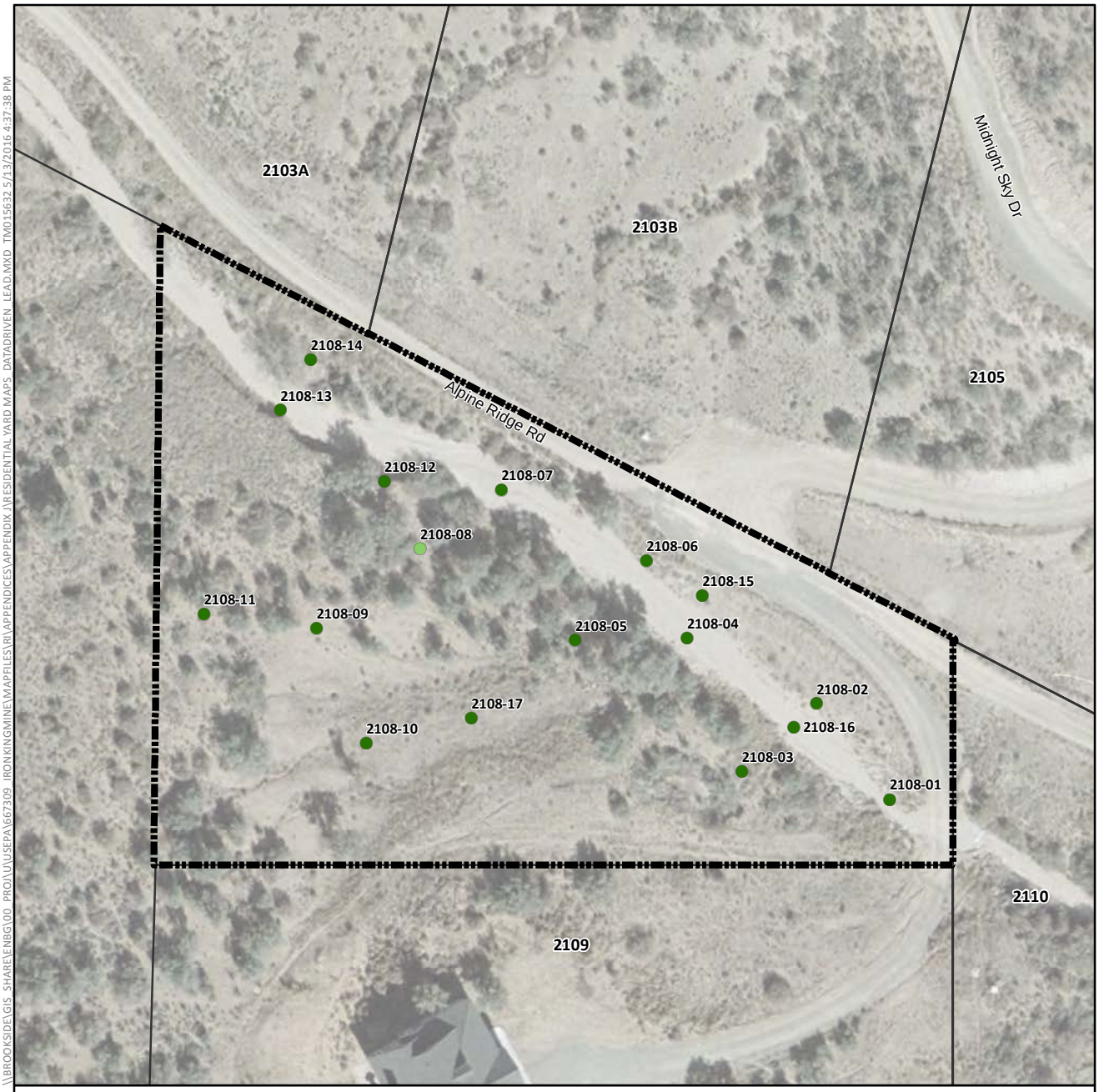
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 225
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2105 (Page 228 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



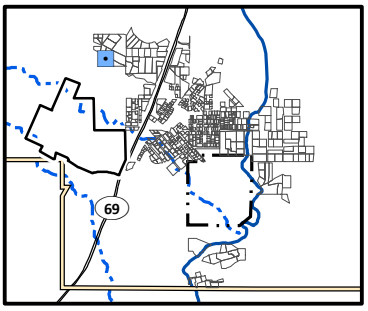
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

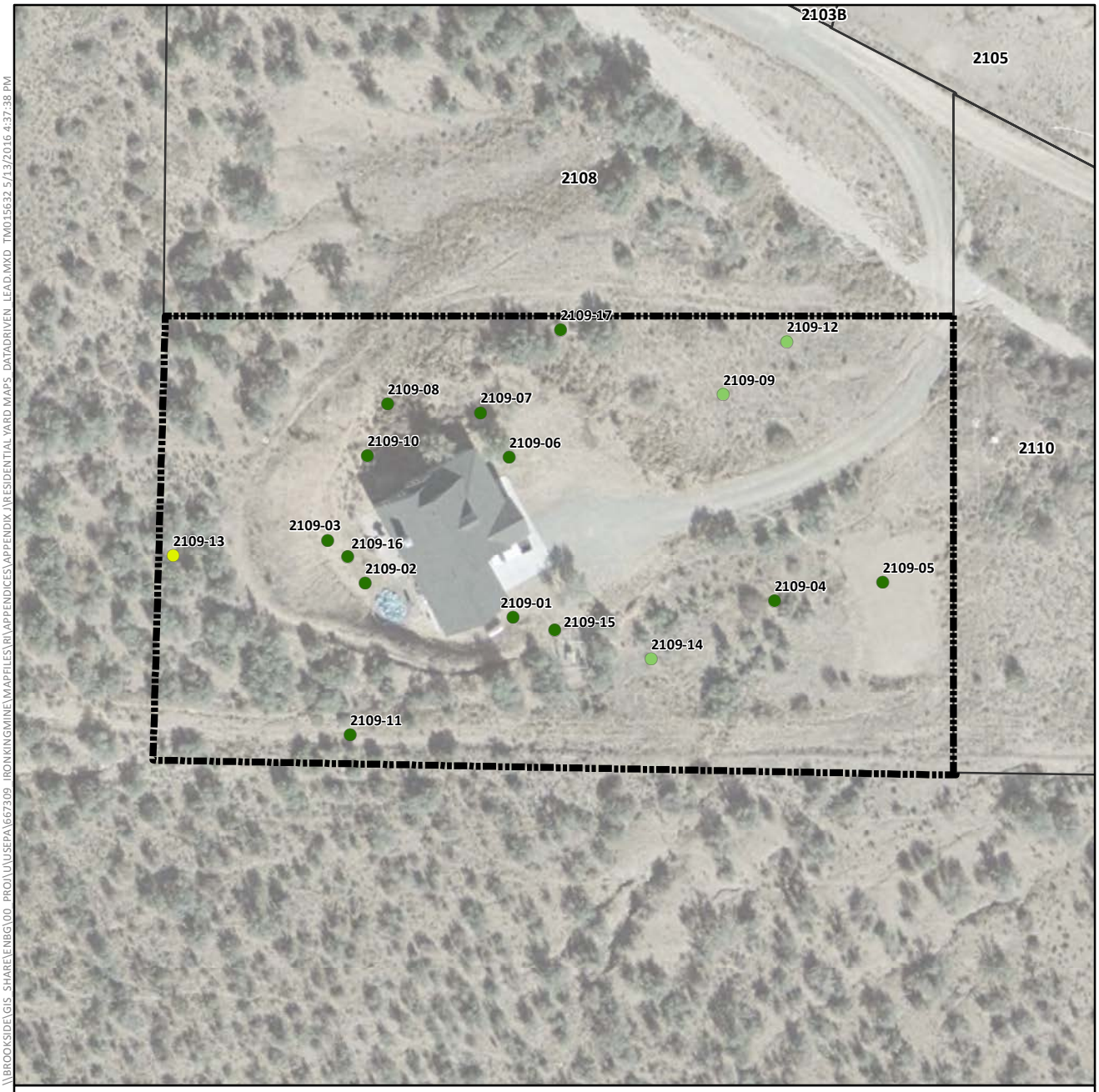
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2108 (Page 229 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



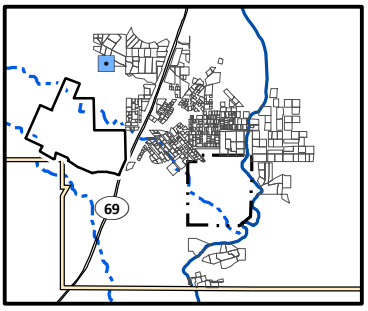
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

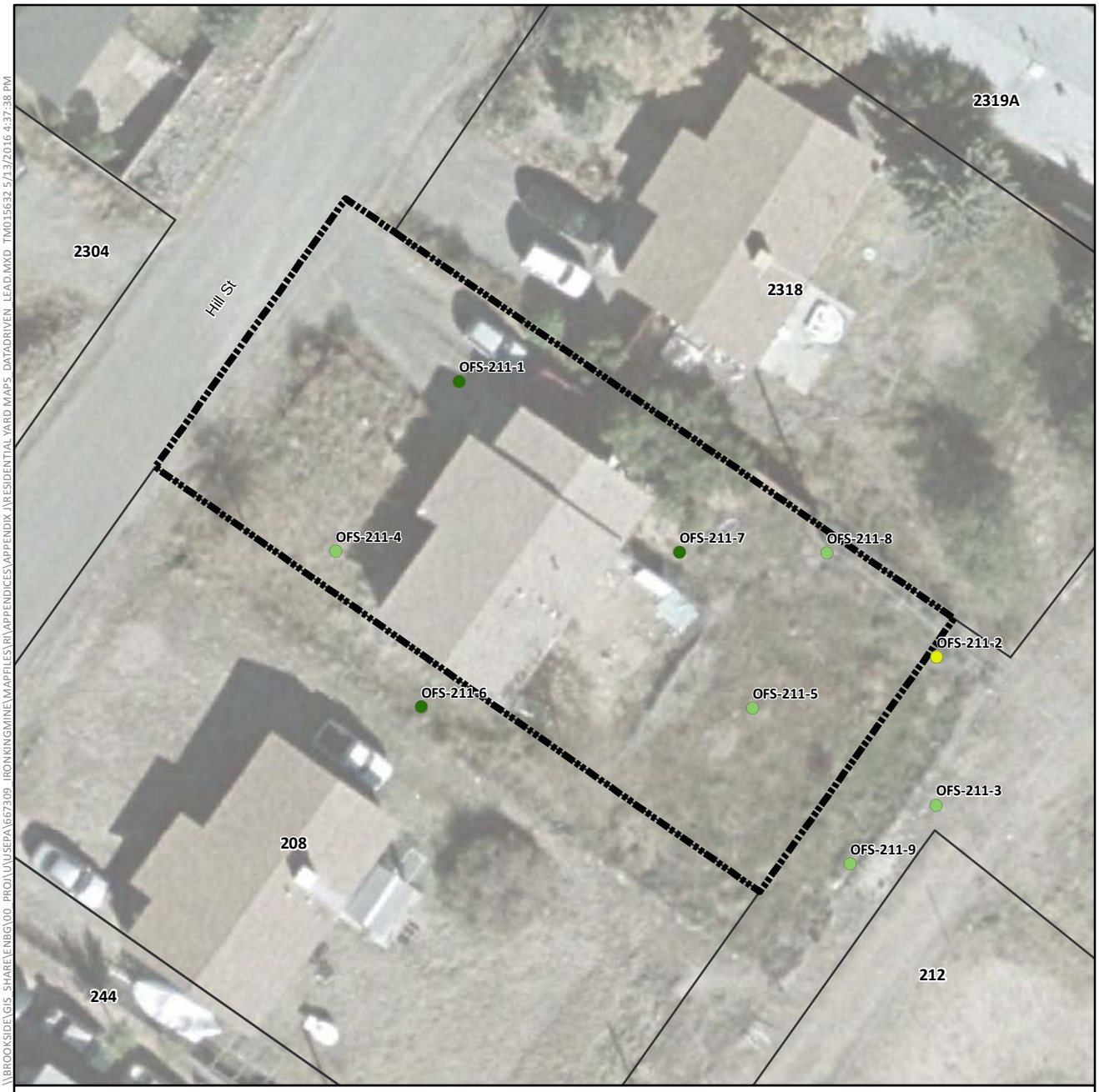
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2109 (Page 230 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



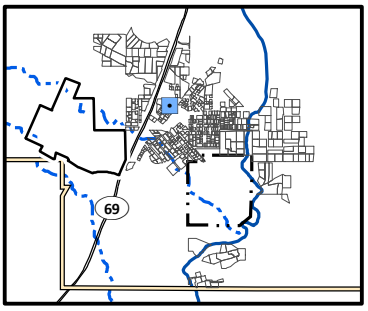
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

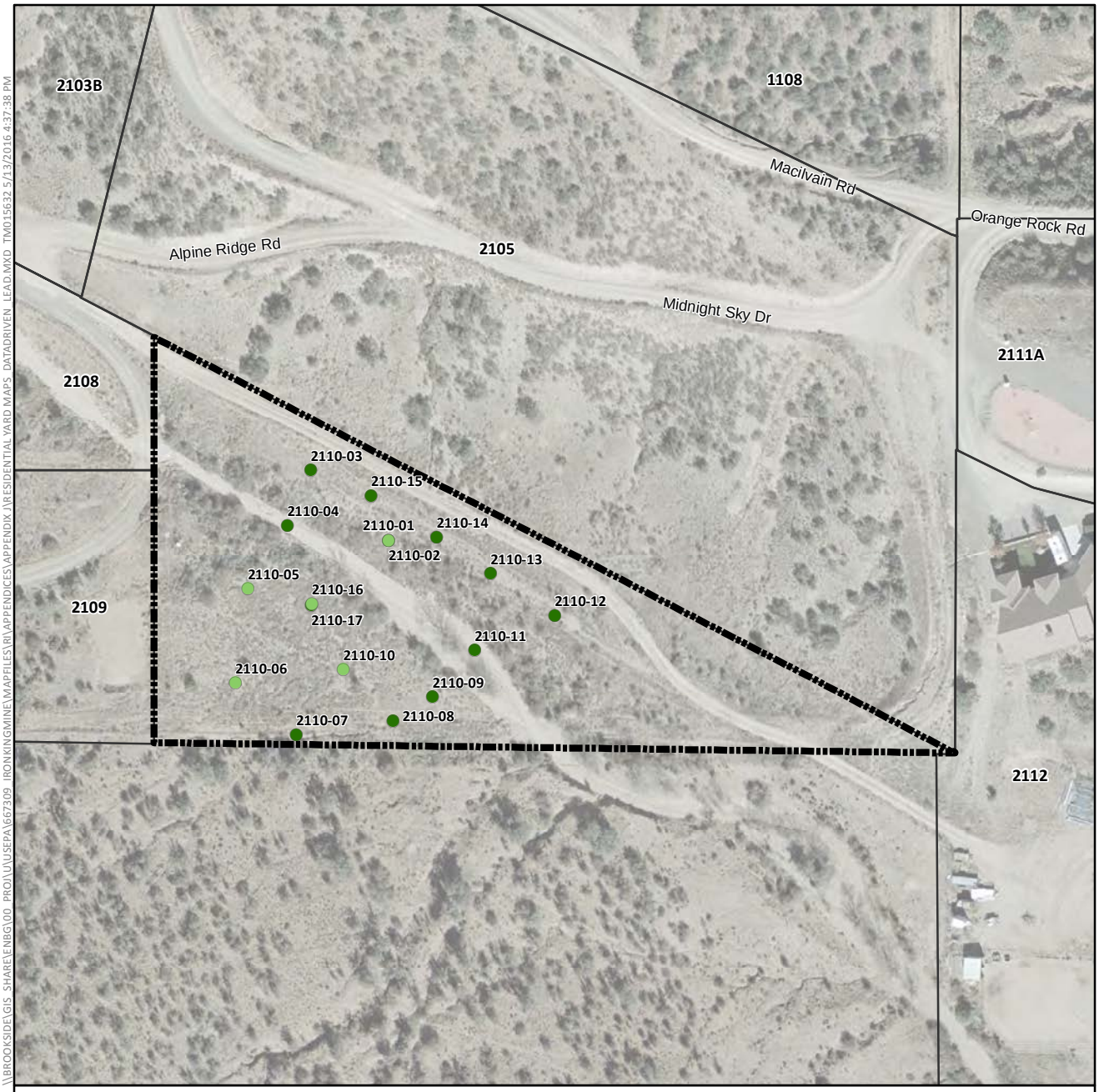


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 211 (Page 231 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



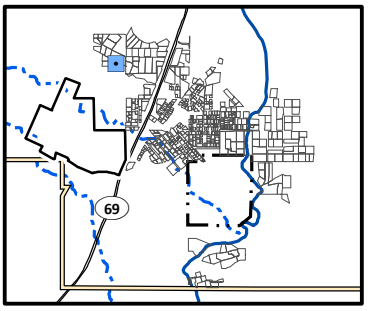
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

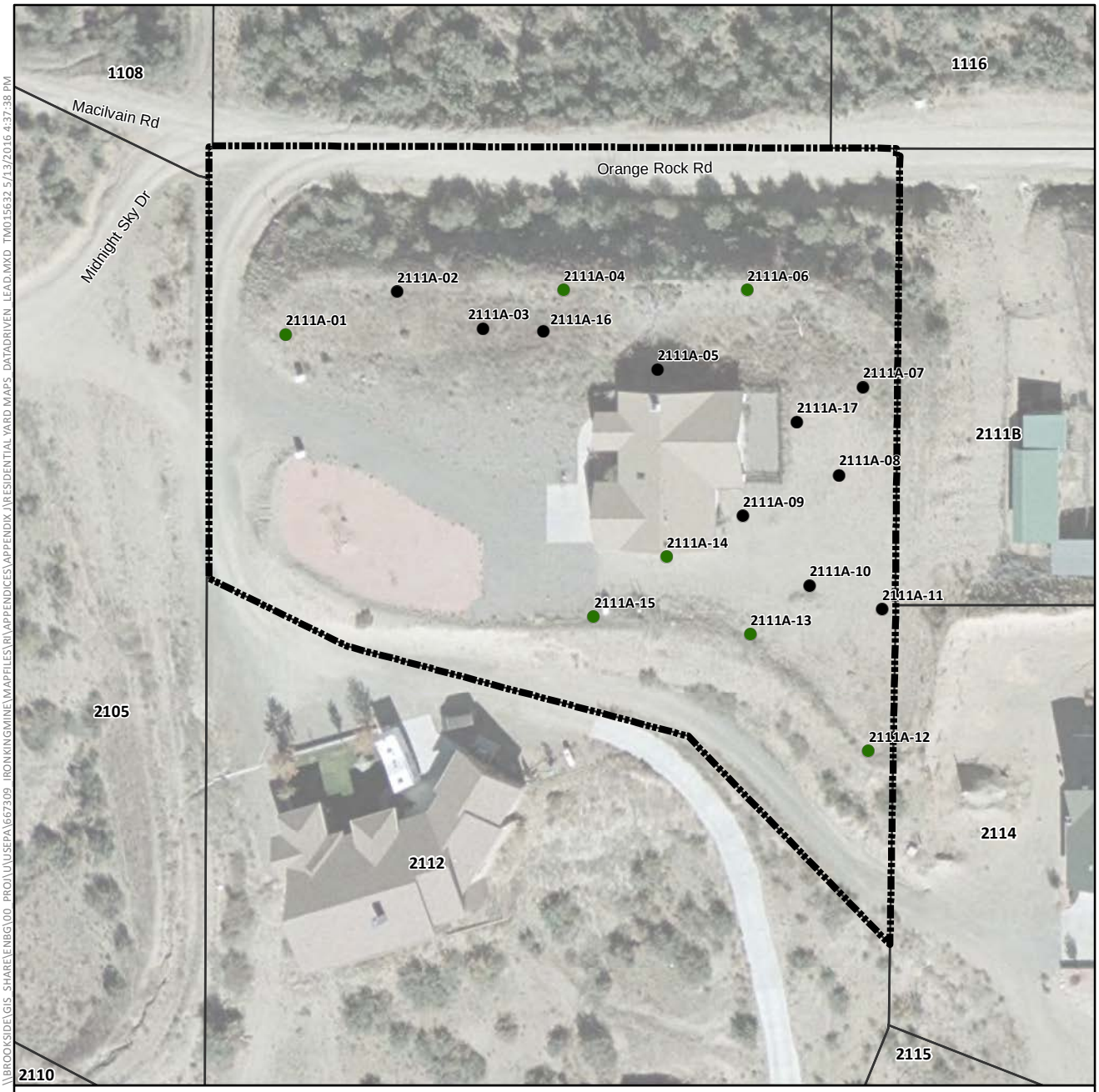
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2110 (Page 232 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



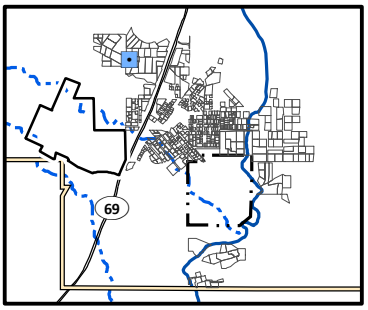
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

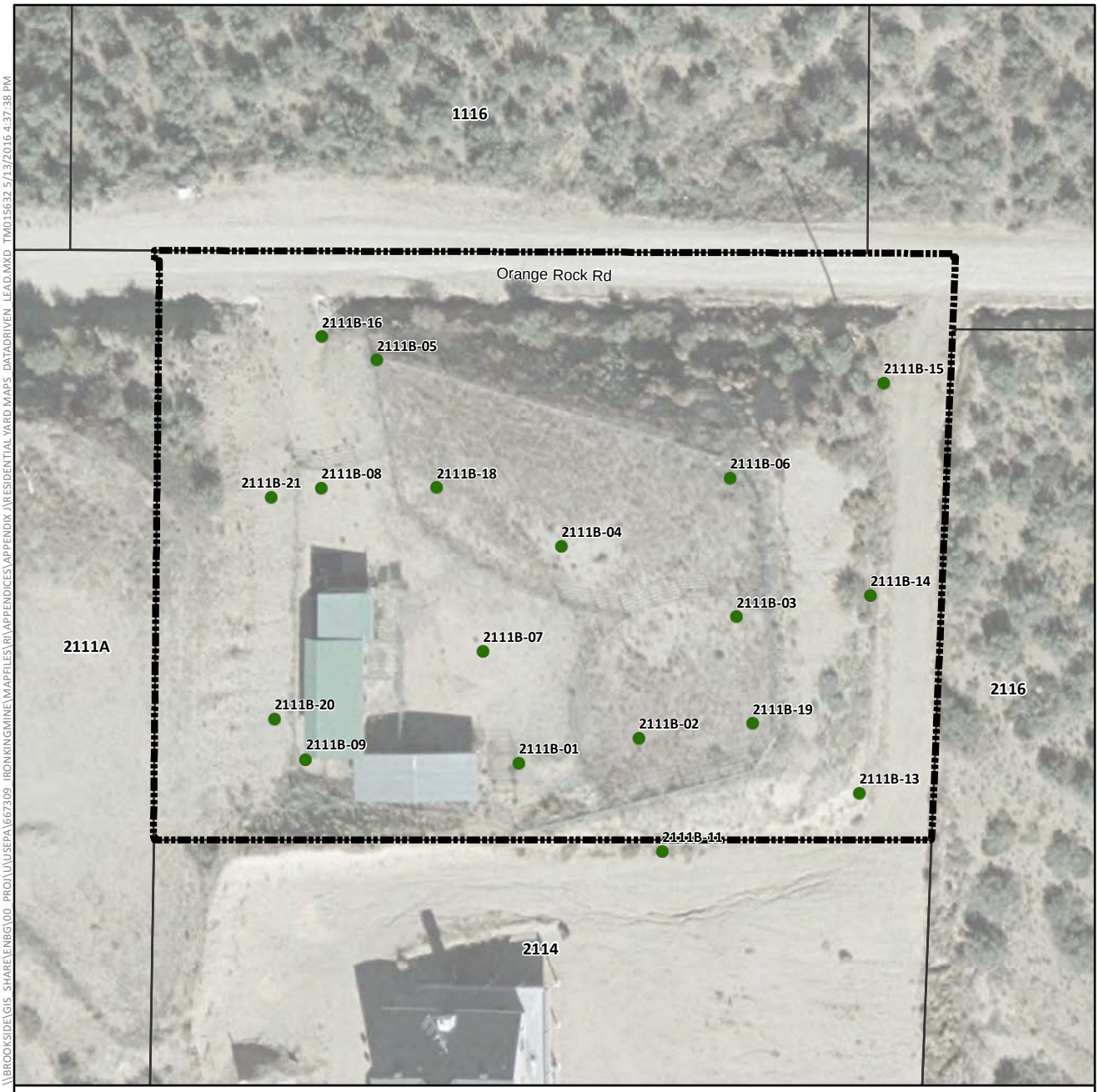
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2111A (Page 233 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



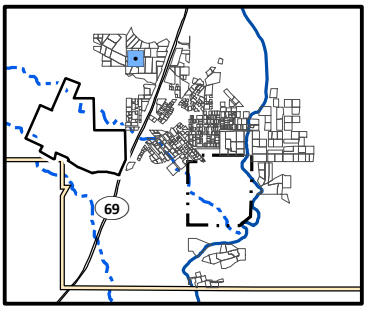
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

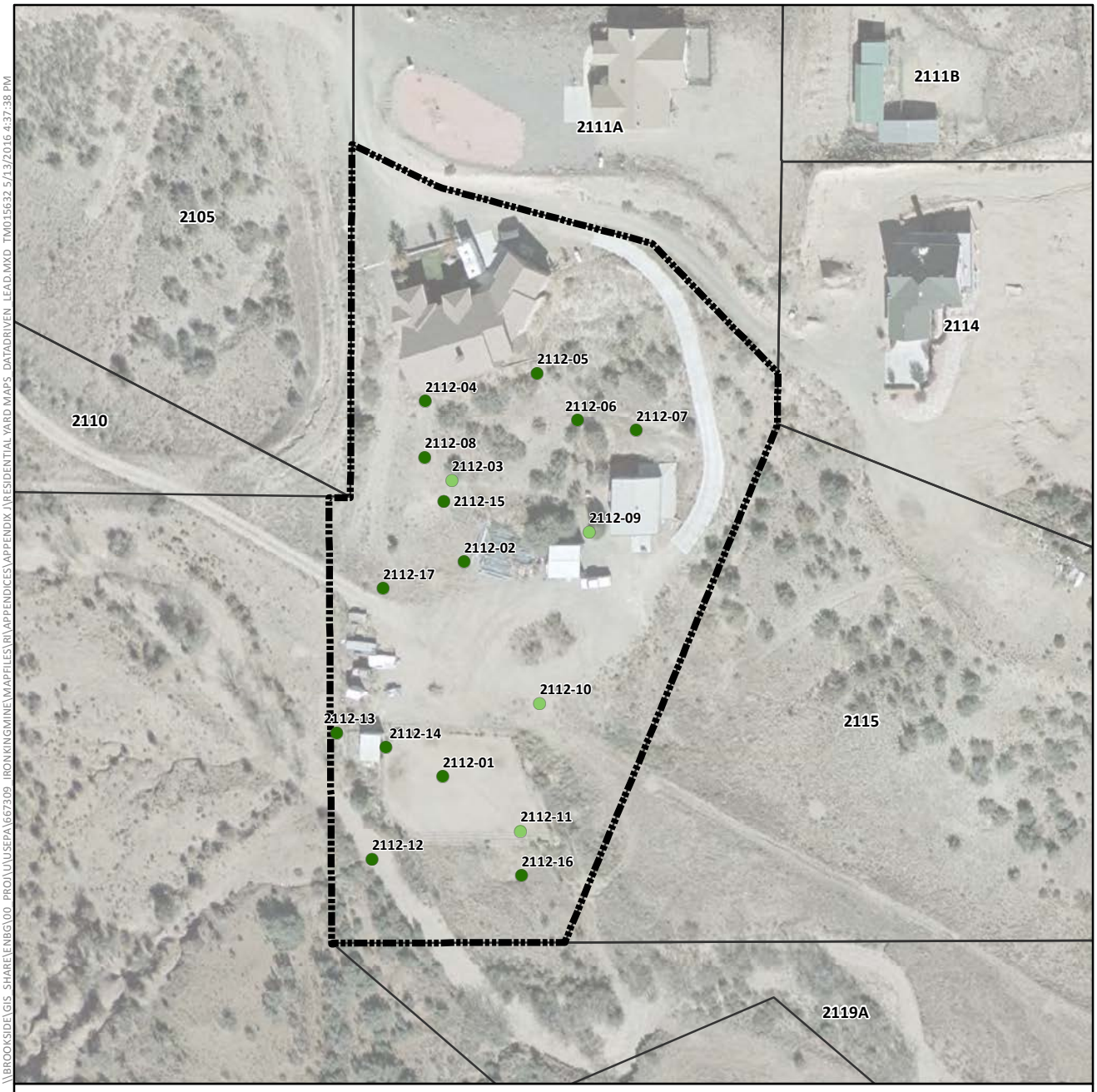


0 80
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2111B (Page 234 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



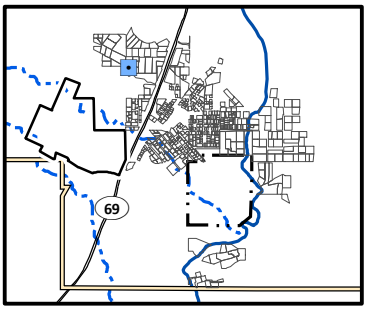
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

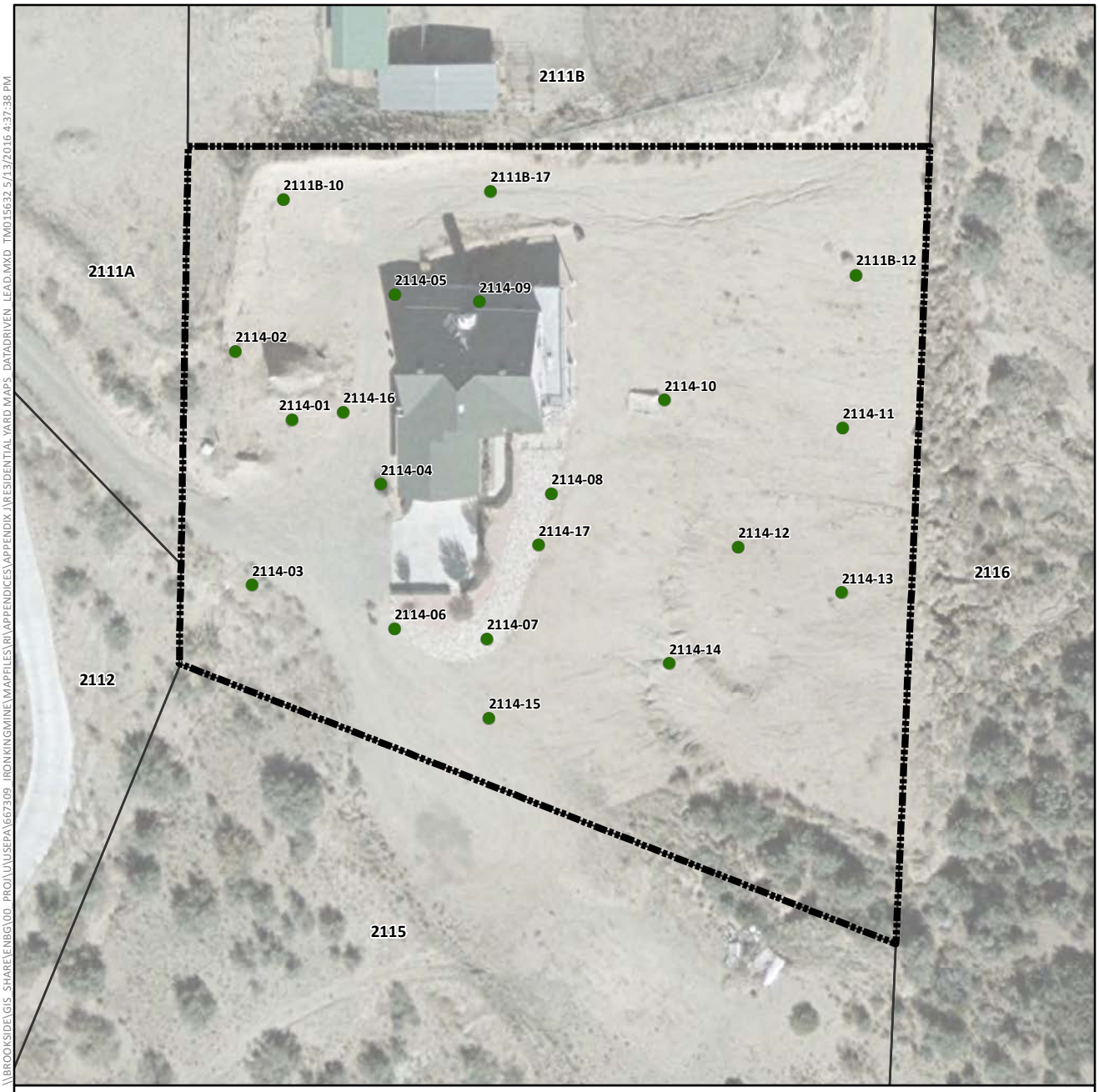


0 170
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2112 (Page 235 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



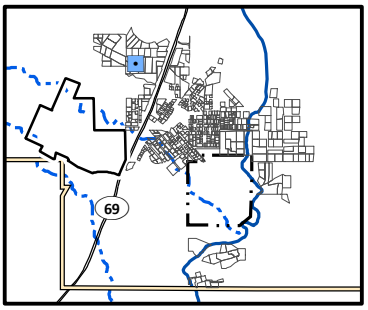
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

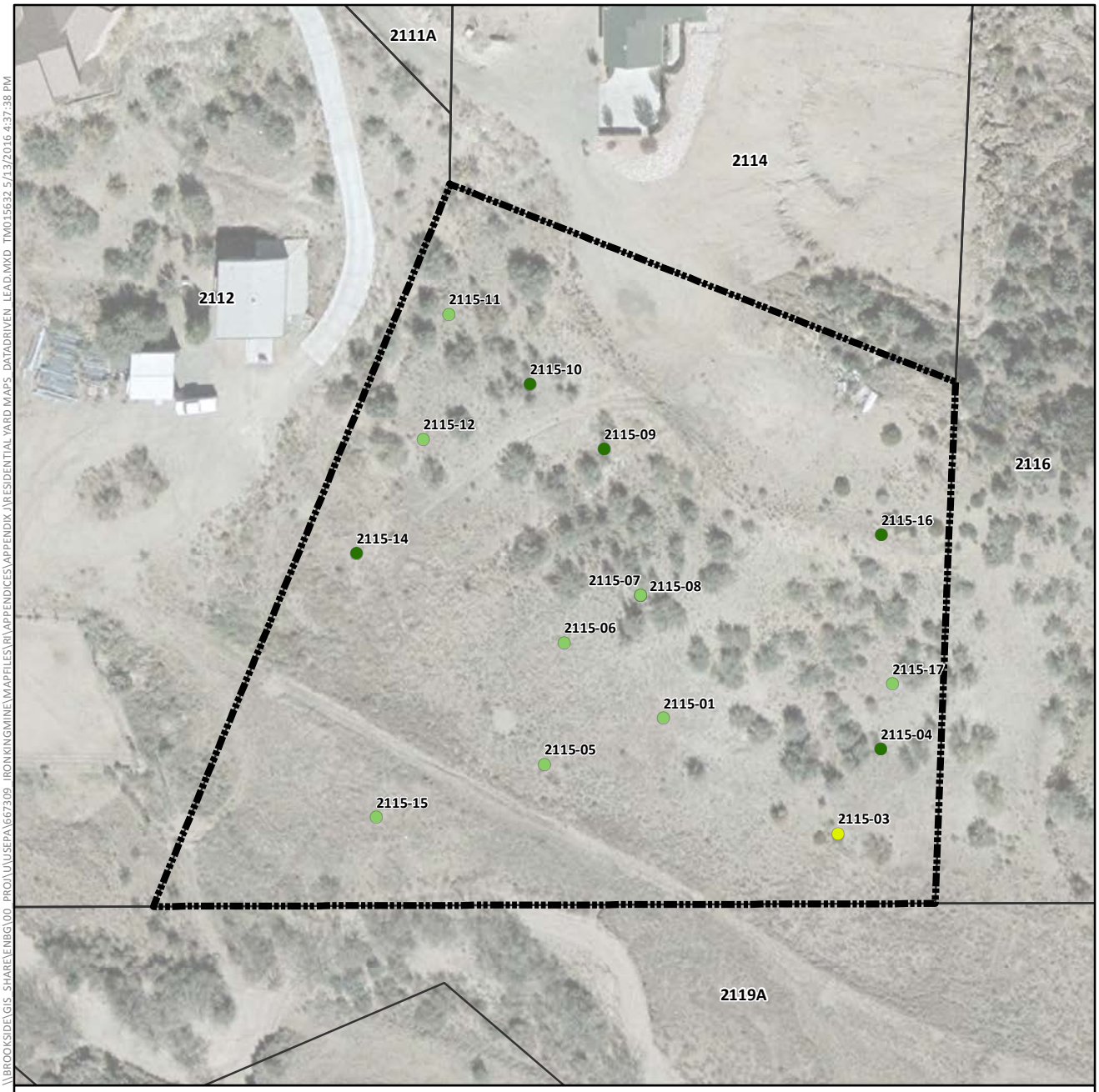


0 80
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2114 (Page 236 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



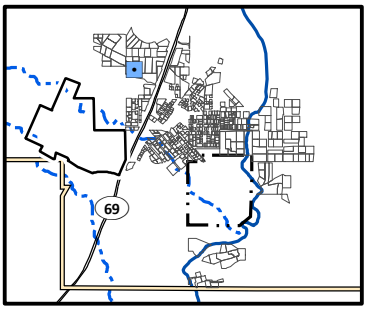
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

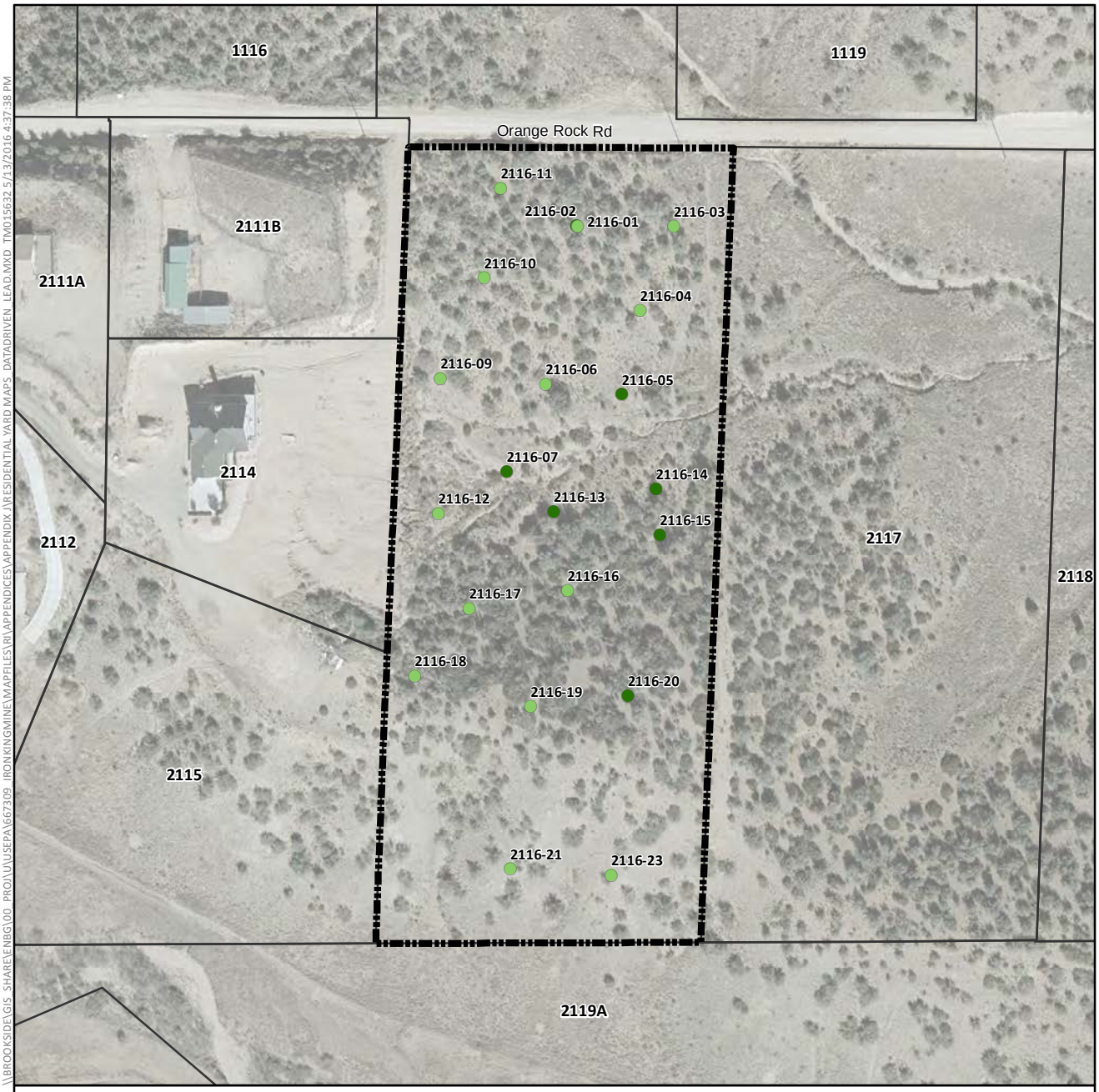


0 125
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2115 (Page 237 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



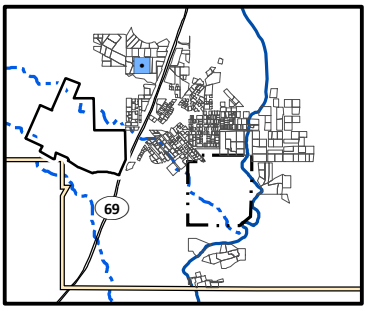
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

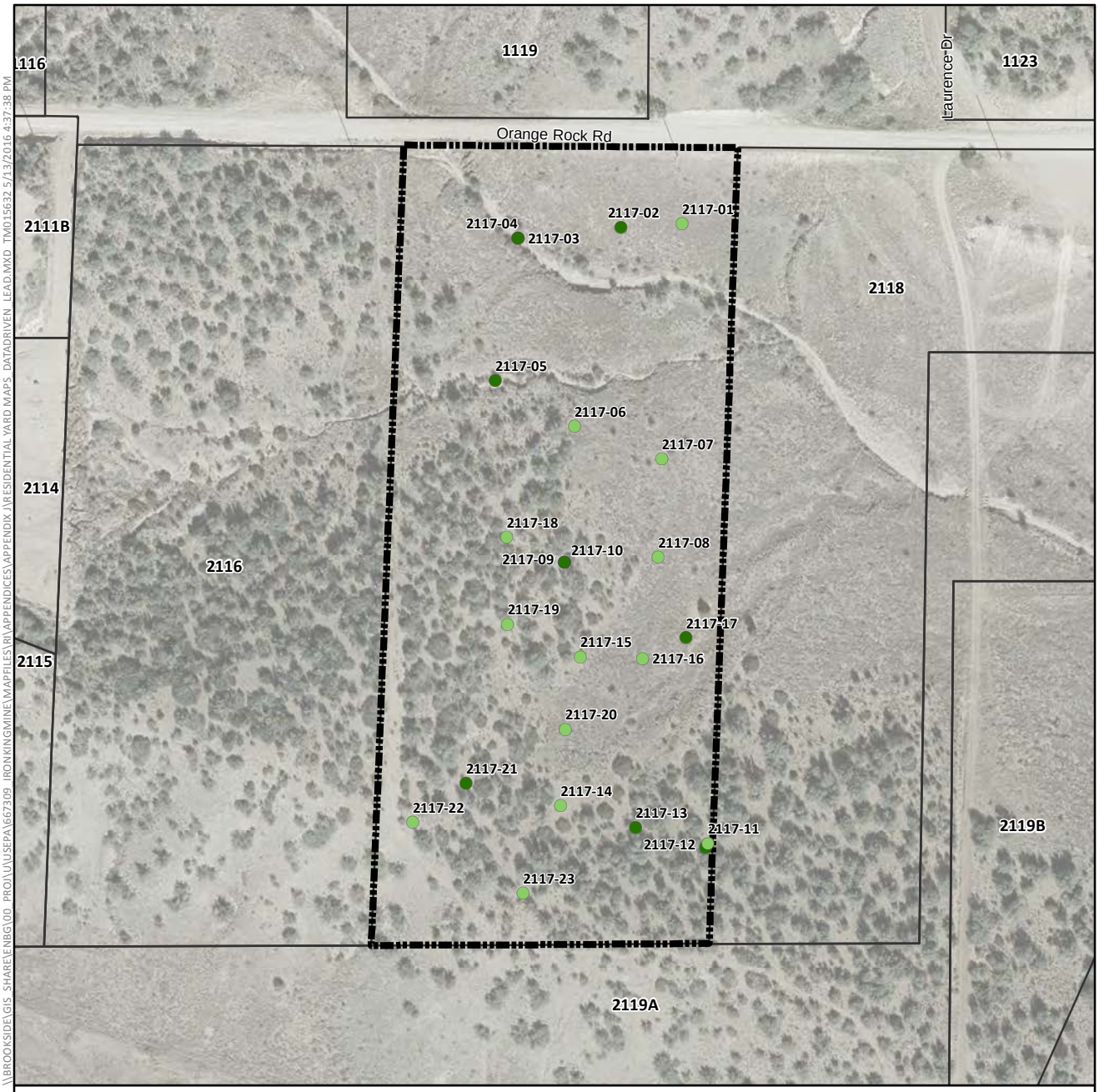
Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 225
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2116 (Page 238 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



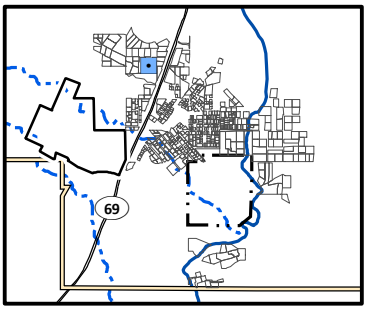
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

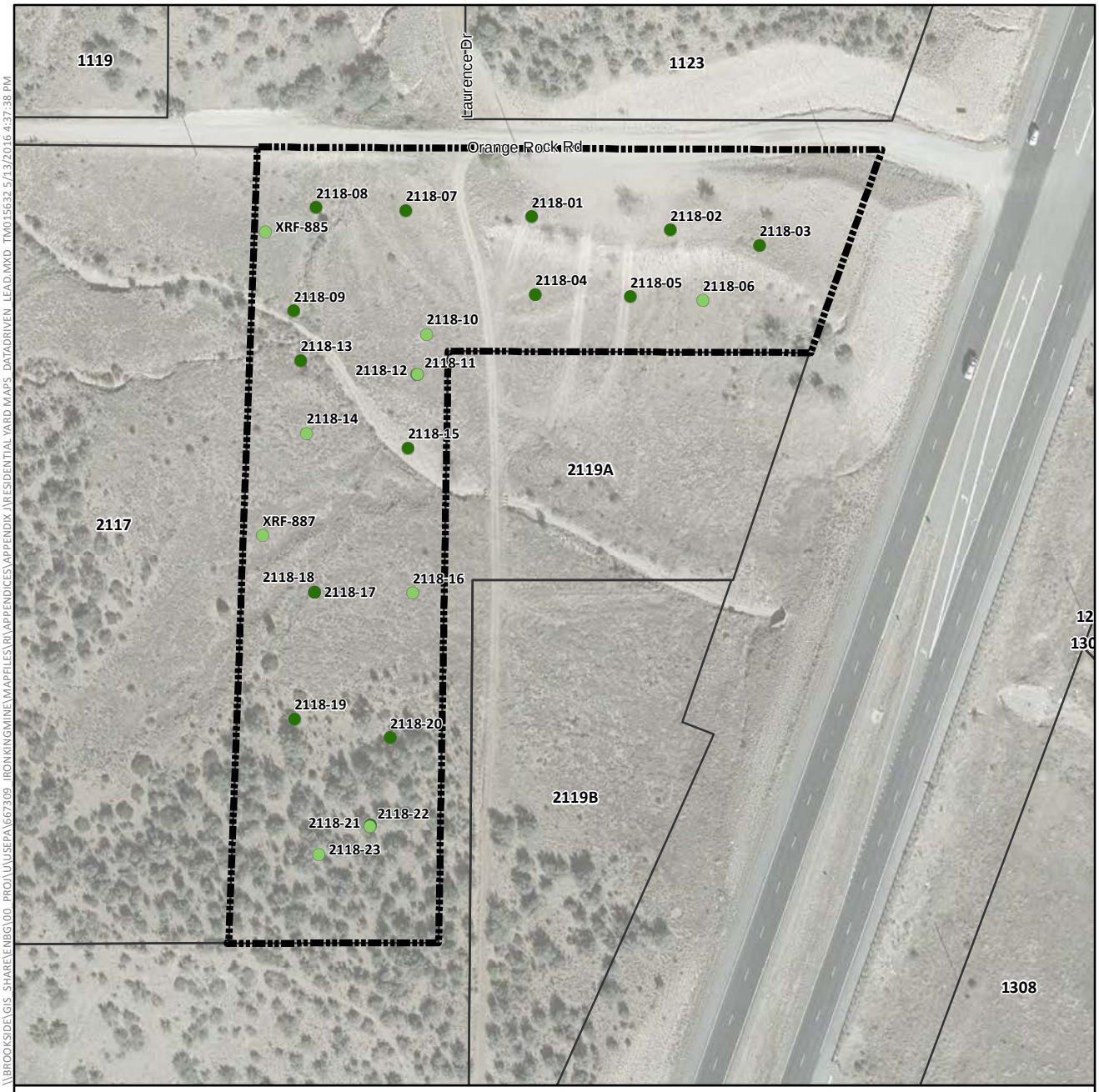
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 220
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2117 (Page 239 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



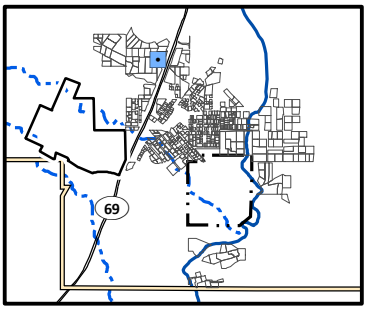
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

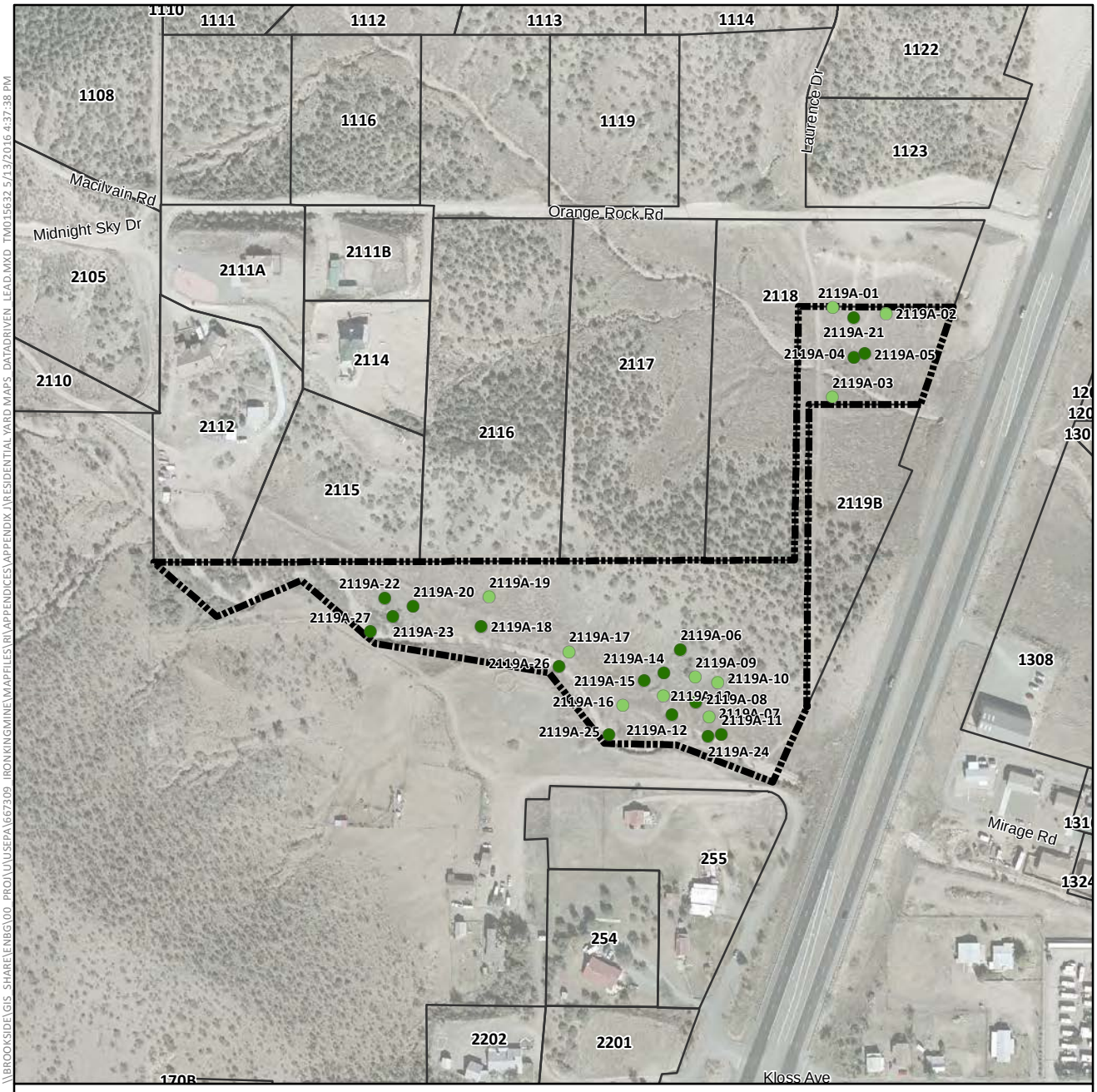
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 220
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2118 (Page 240 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

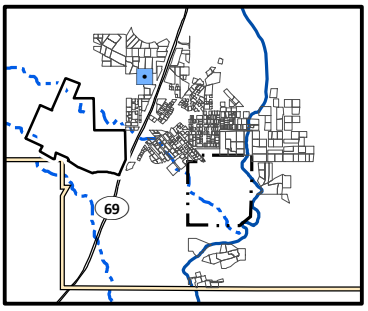


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

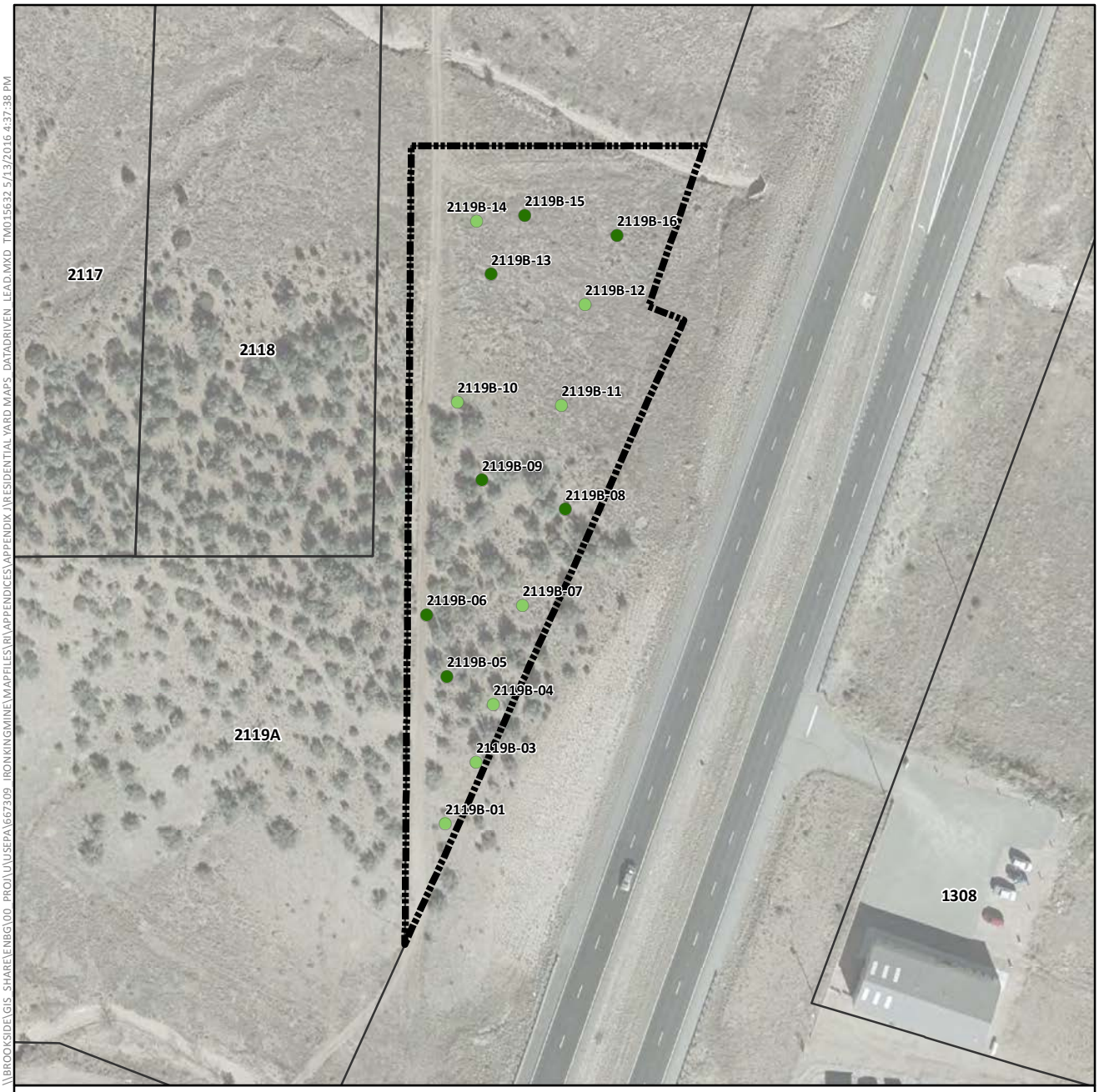


0 520
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2119A (Page 241 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_LEAD.MXD TM0156632 5/13/2016 4:37:38 PM



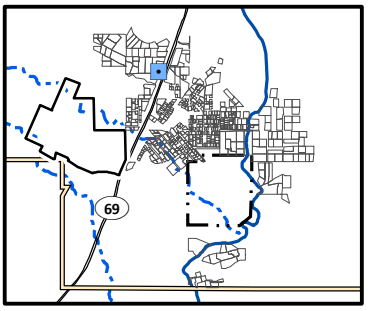
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 190
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2119B (Page 242 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



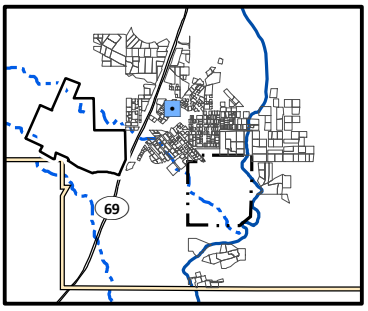
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

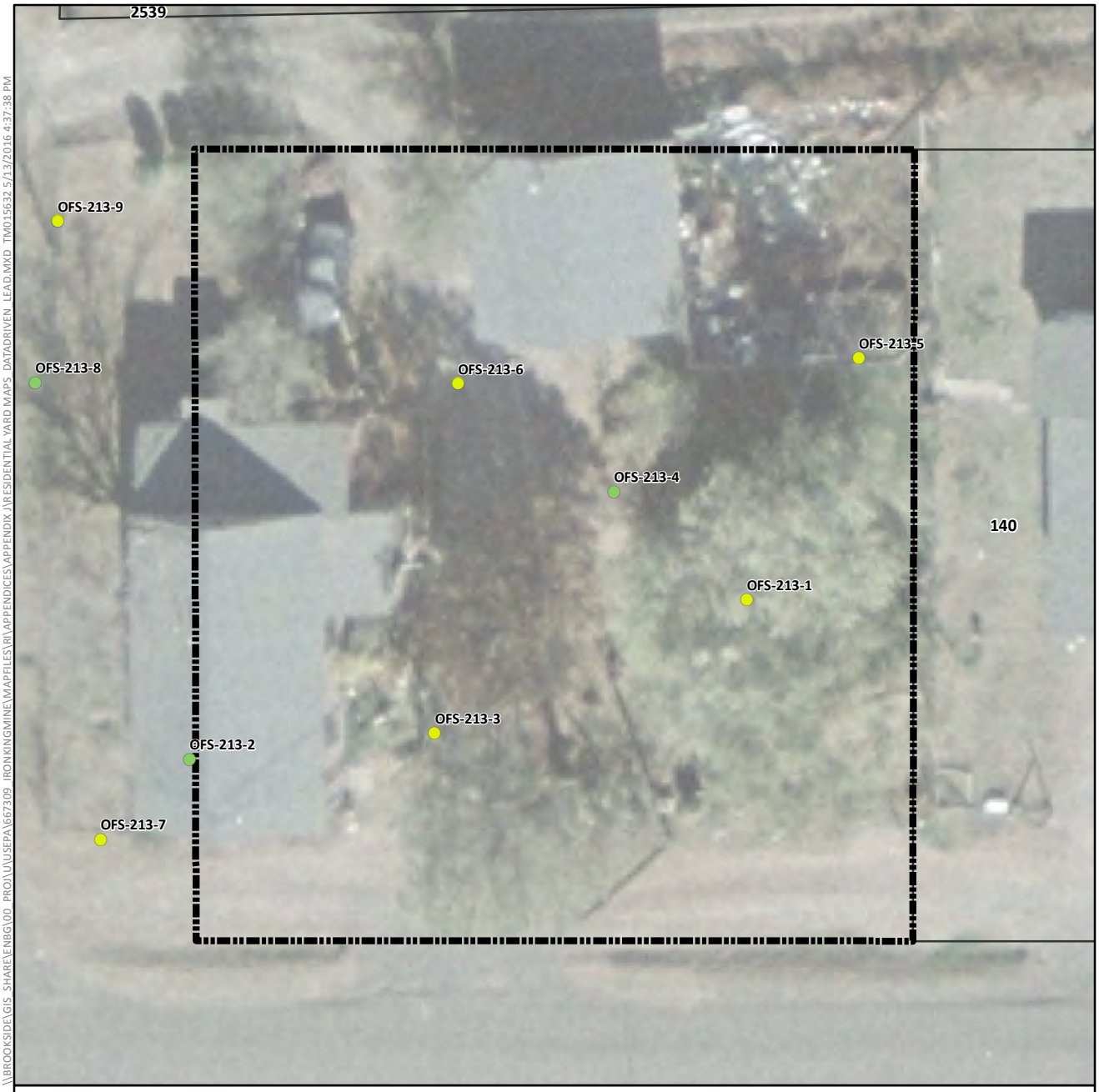


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 212 (Page 243 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



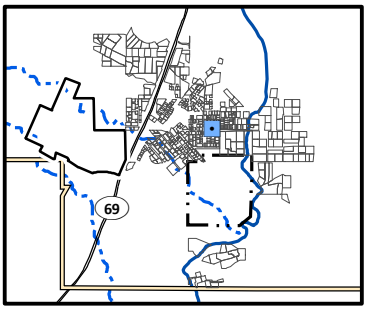
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 213 (Page 244 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

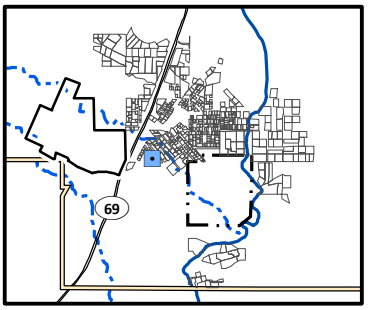


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

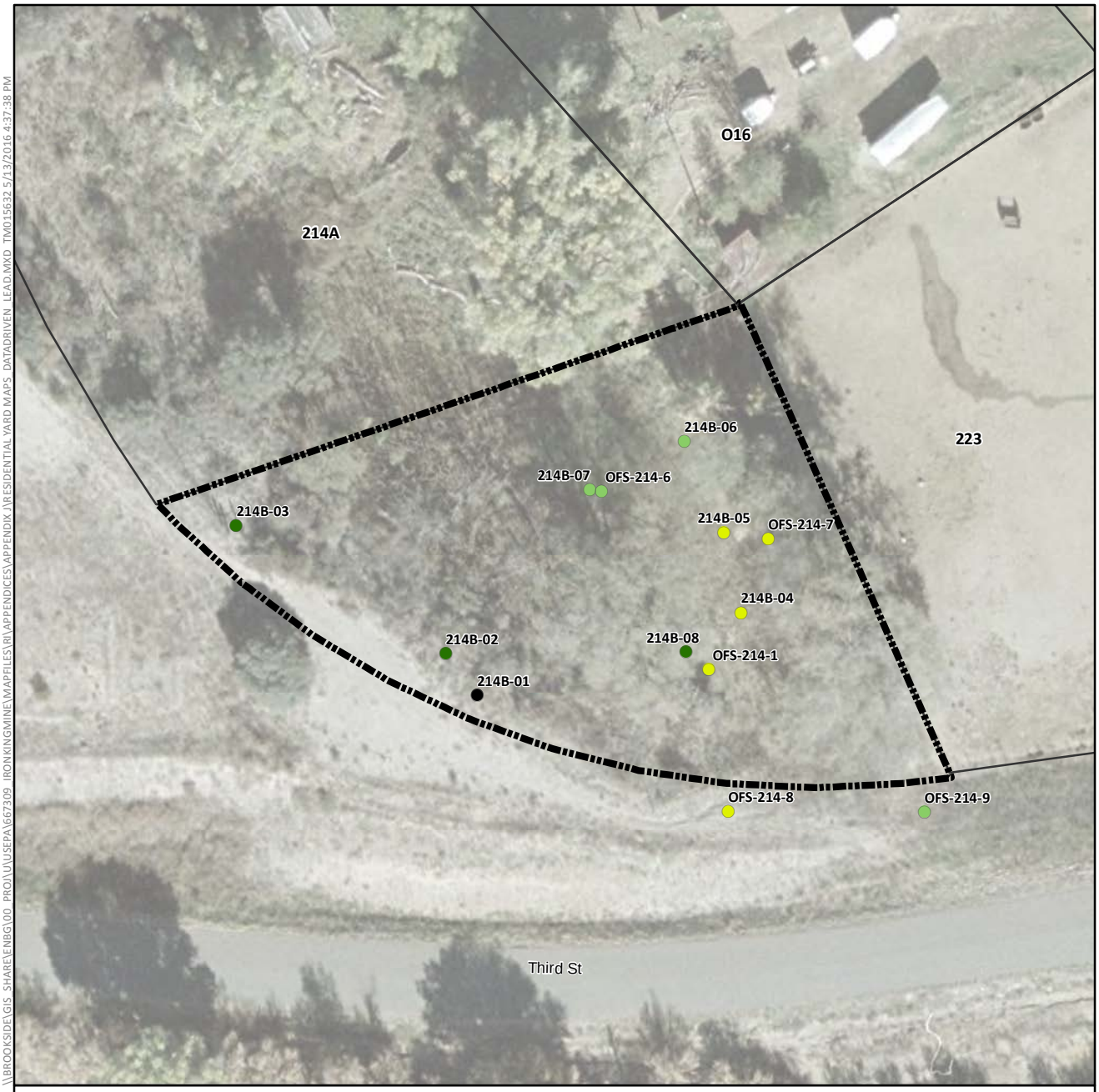


0 90
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 214A (Page 245 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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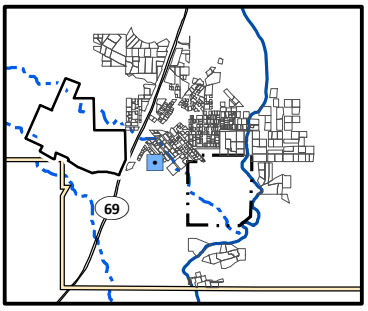
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

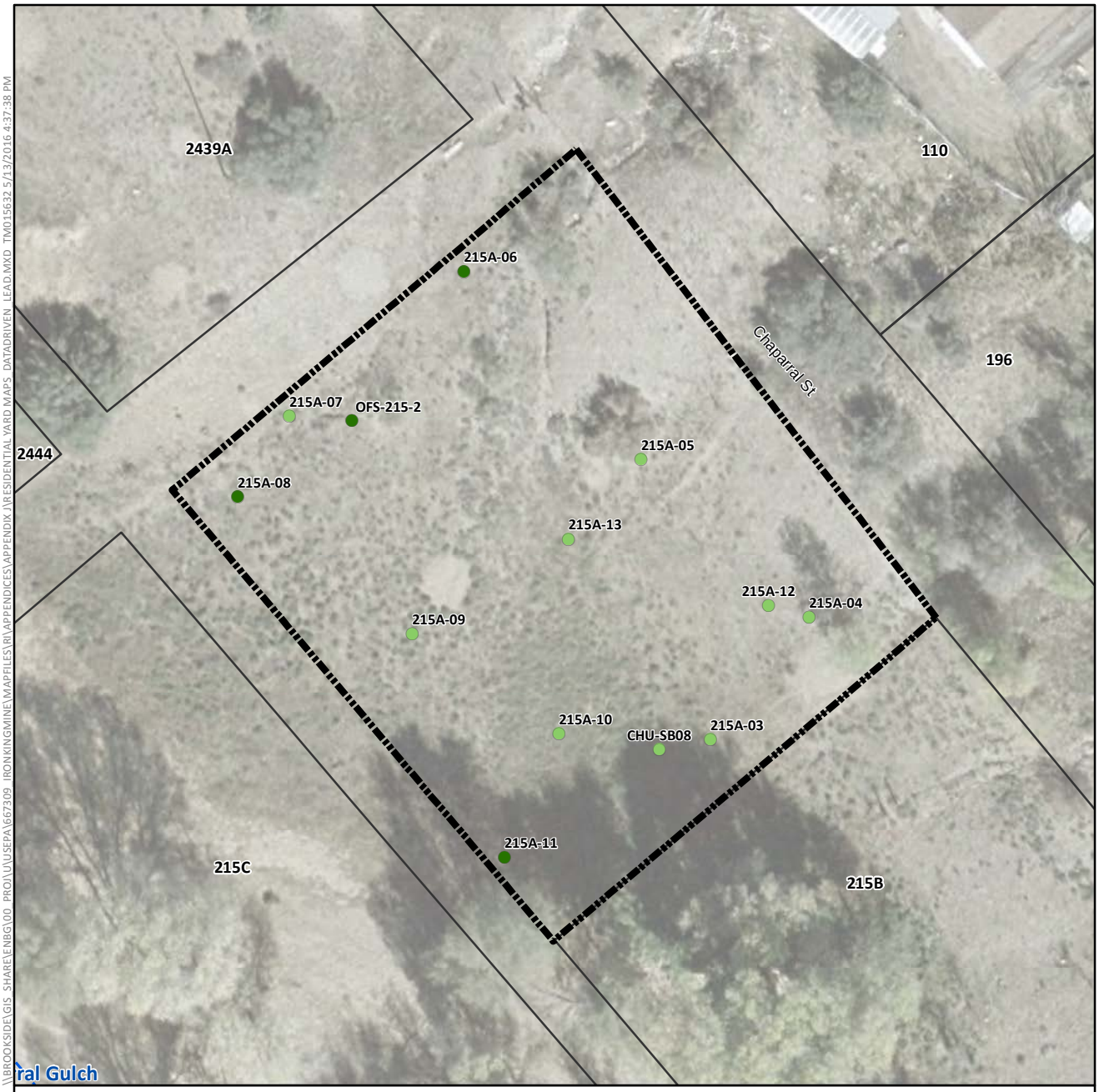
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 214B (Page 246 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



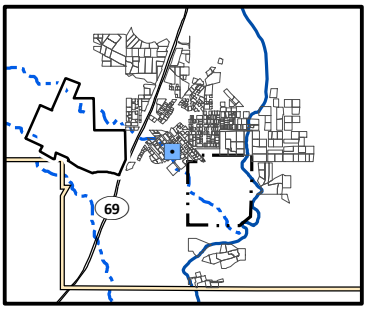
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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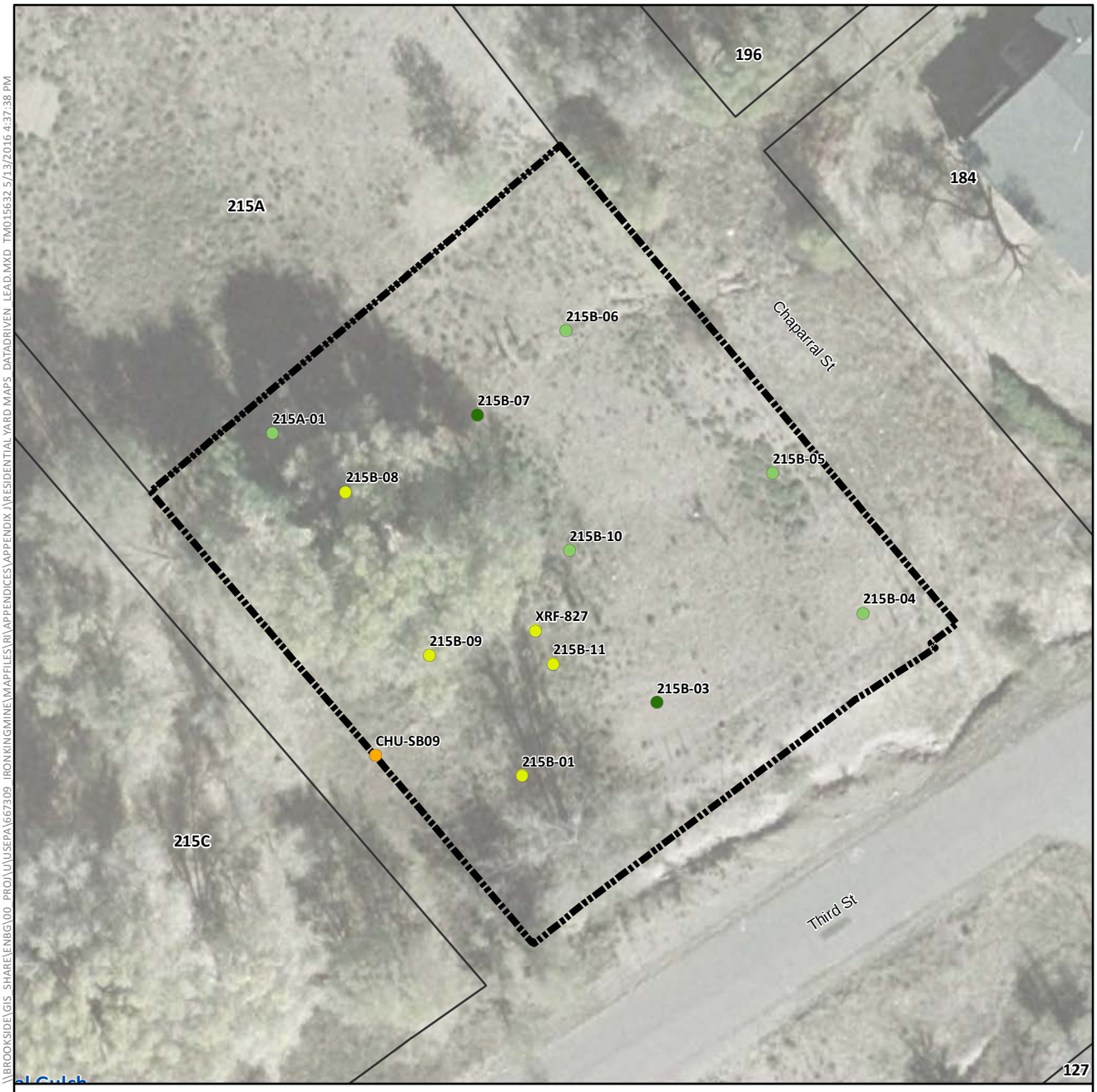


0 75
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 215A (Page 247 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



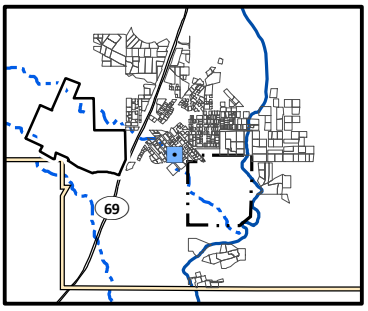
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

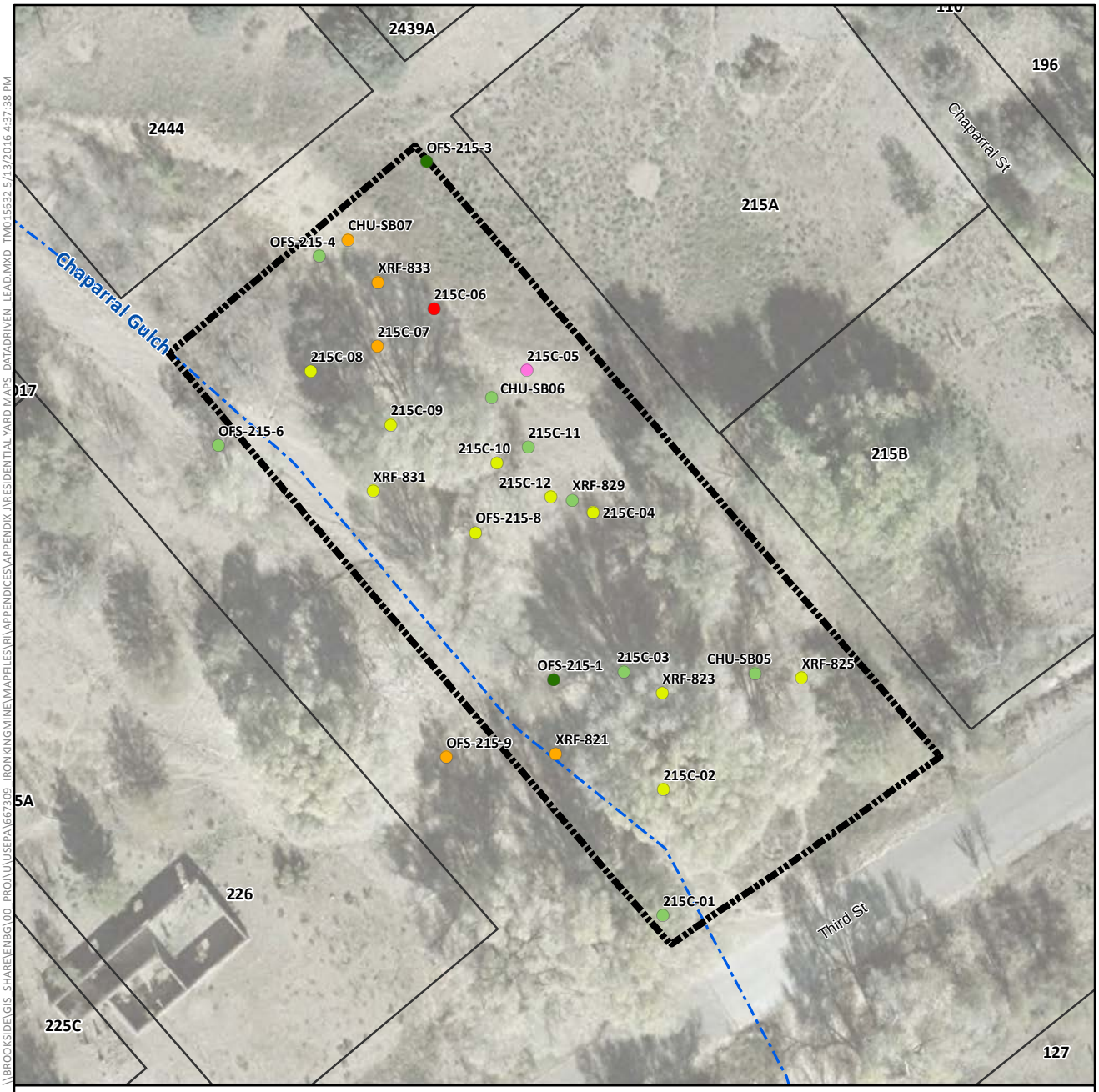
Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 215B (Page 248 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



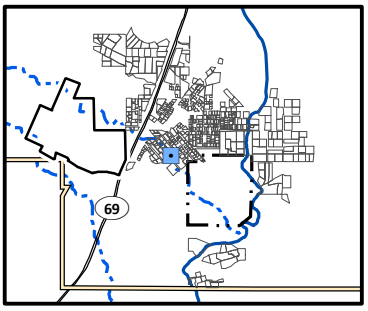
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

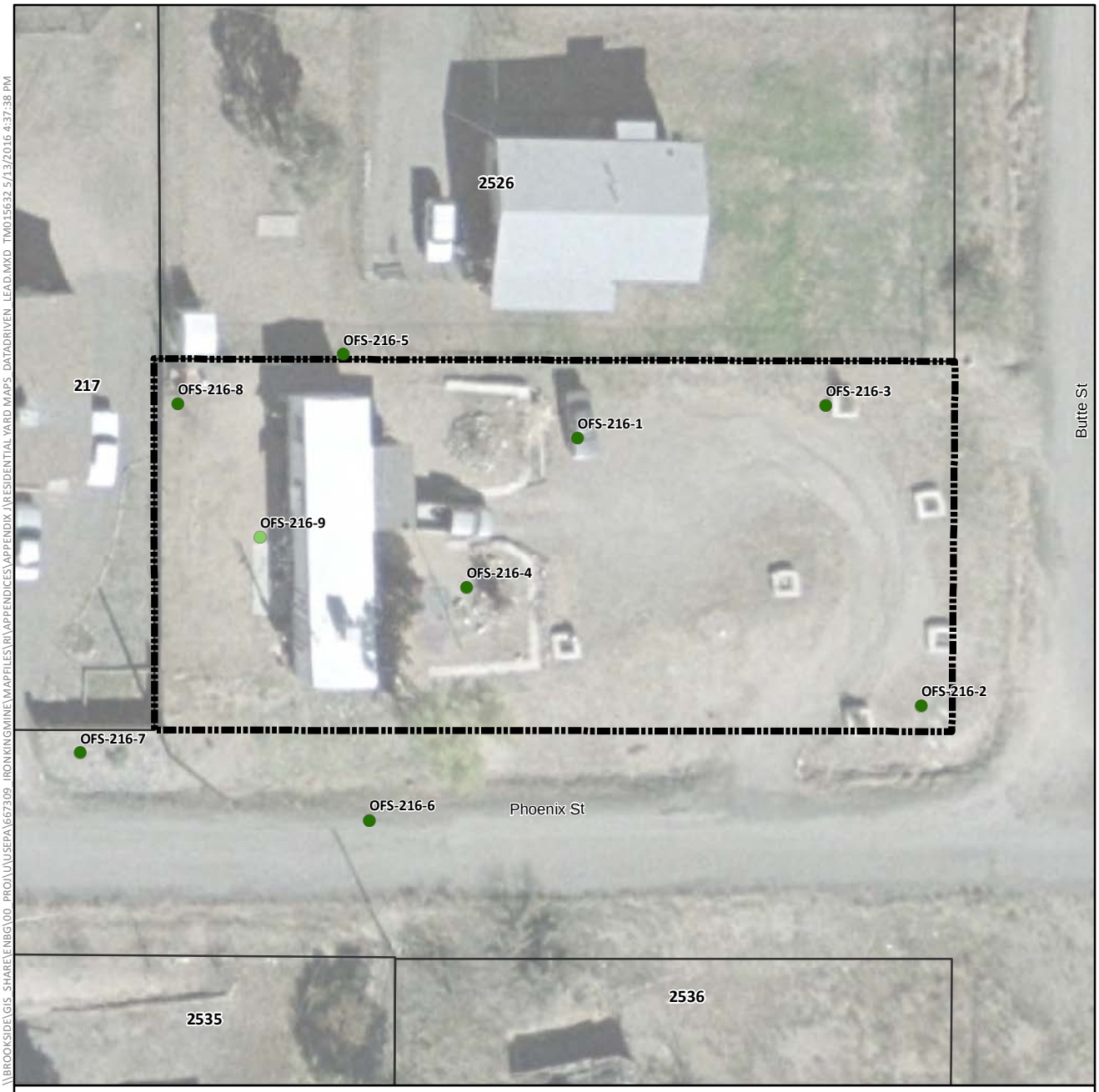
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 215C (Page 249 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



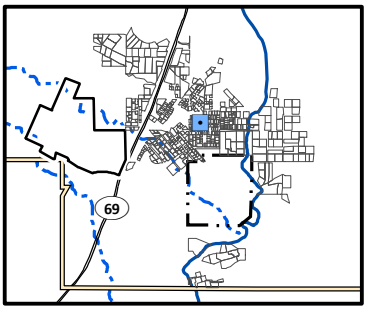
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

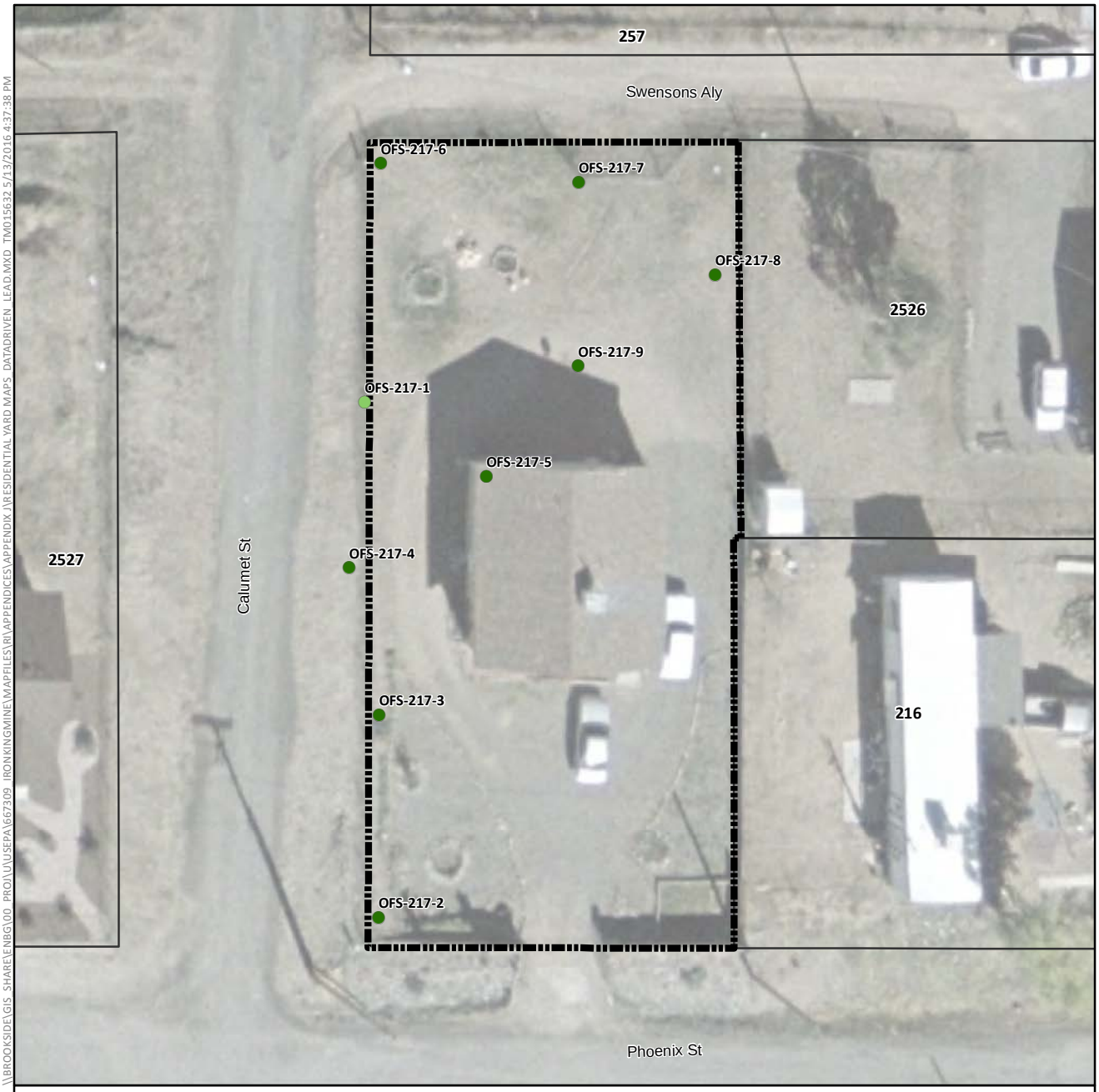


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 216 (Page 250 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



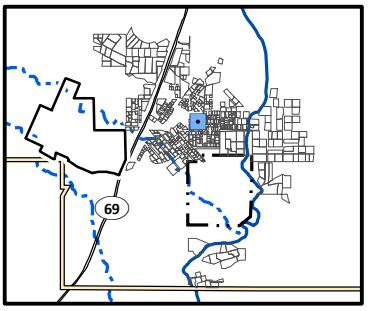
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 217 (Page 251 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



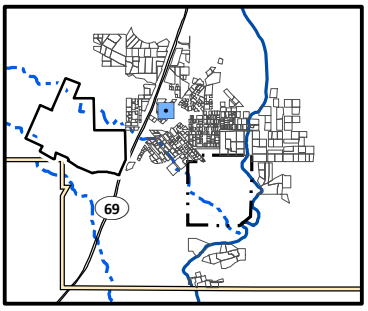
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

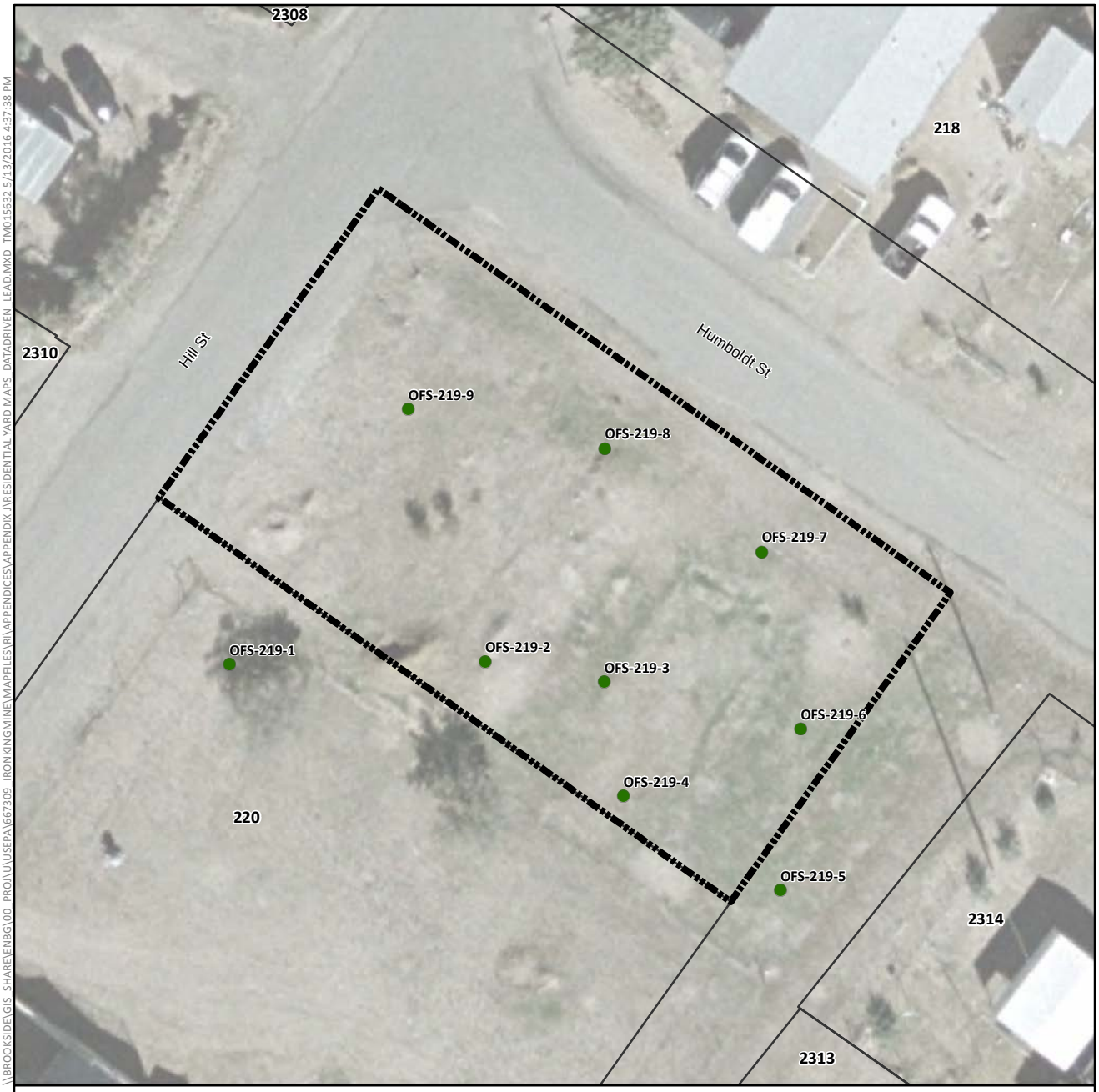
Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 218 (Page 252 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



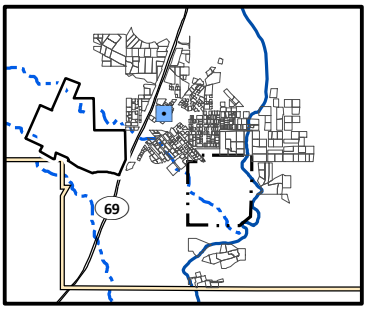
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

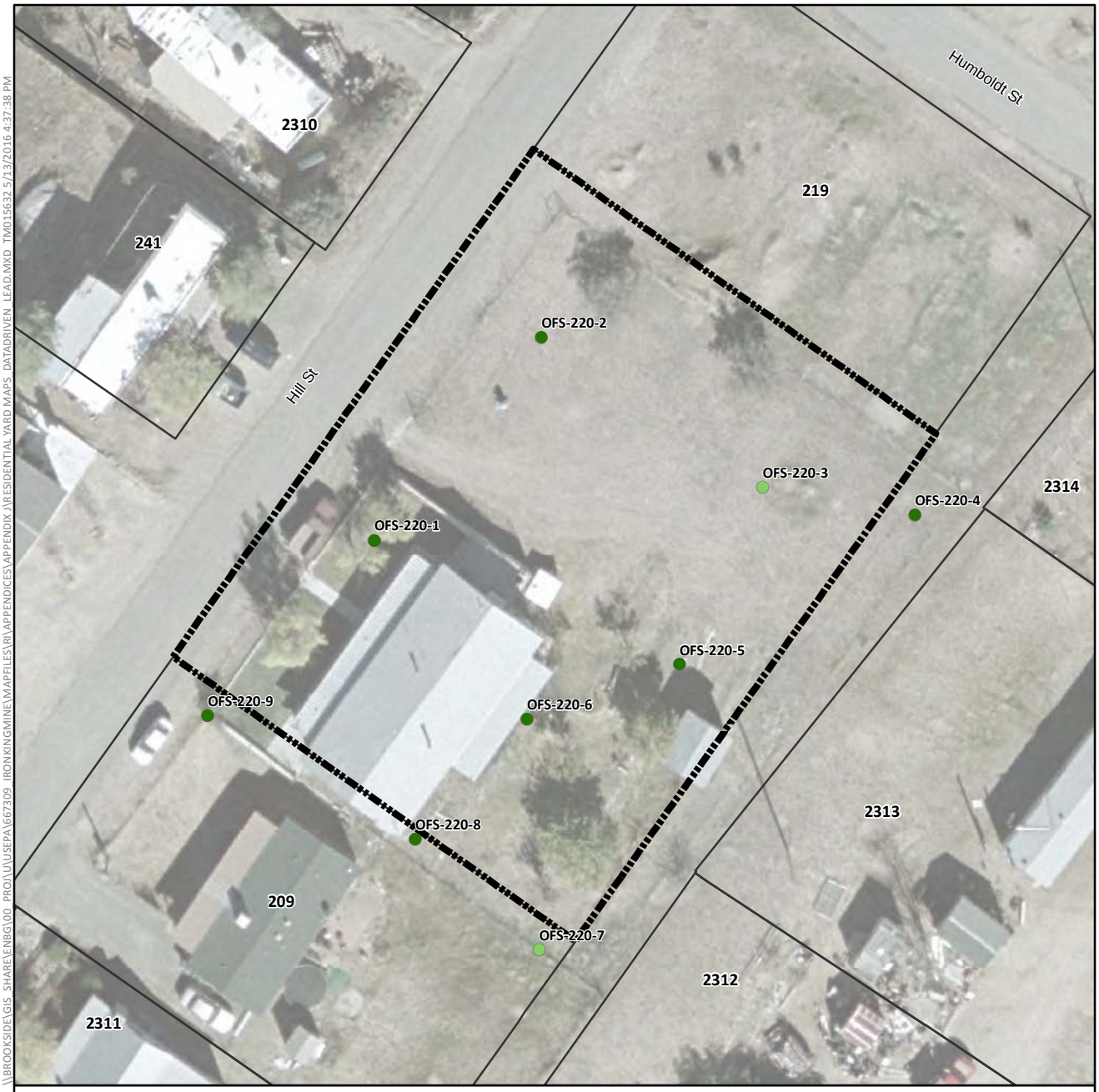
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 219 (Page 253 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



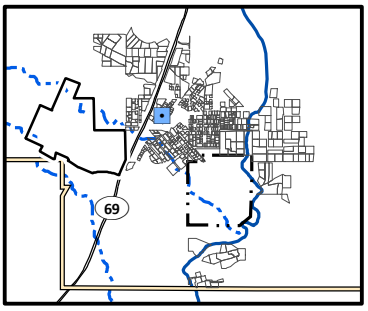
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 220 (Page 254 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



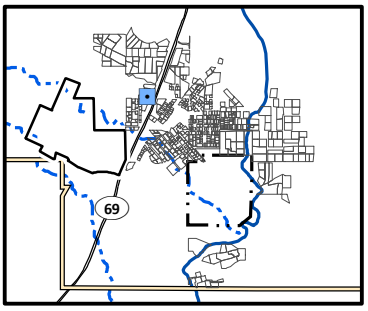
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



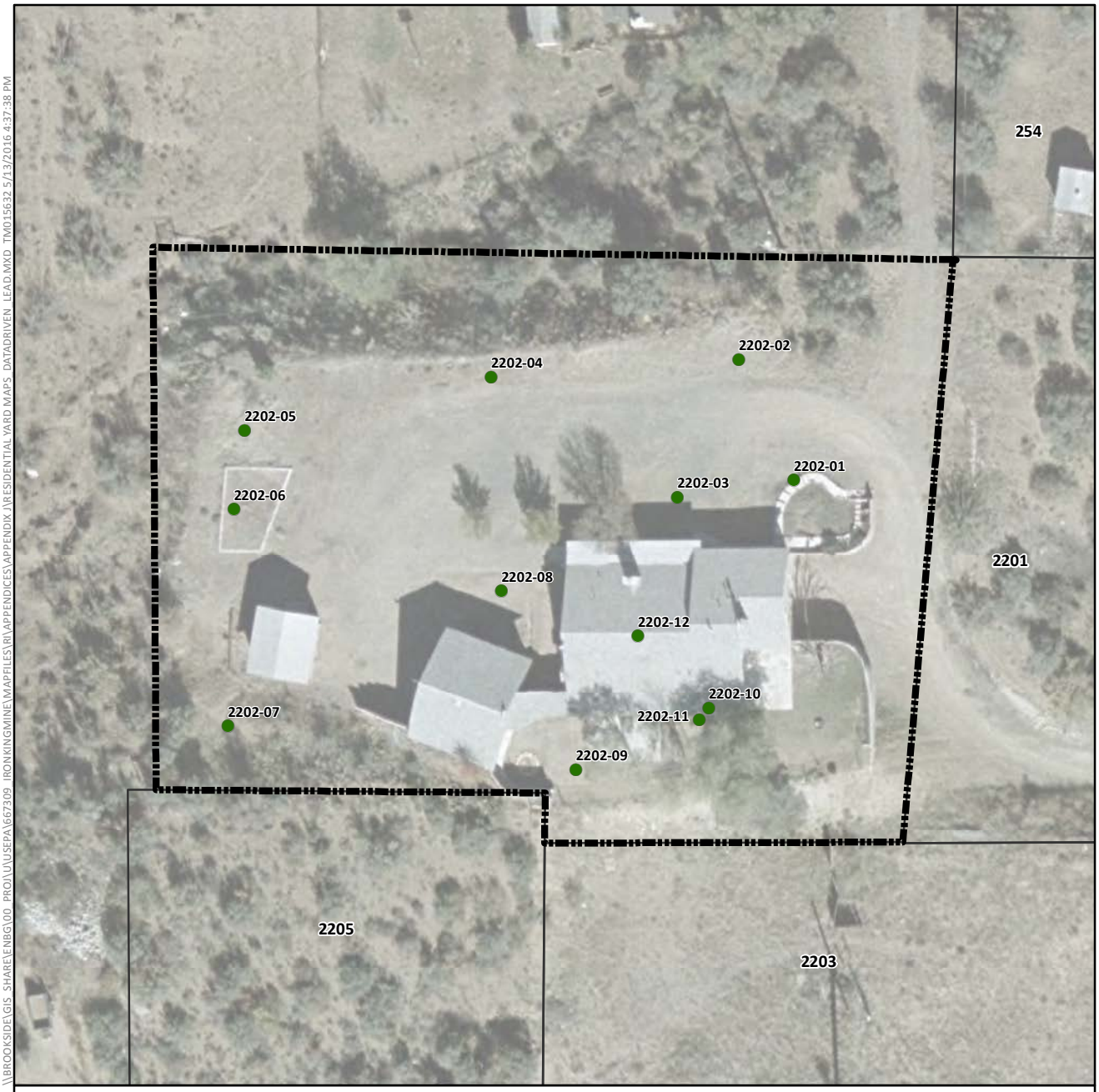
0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2201 (Page 255 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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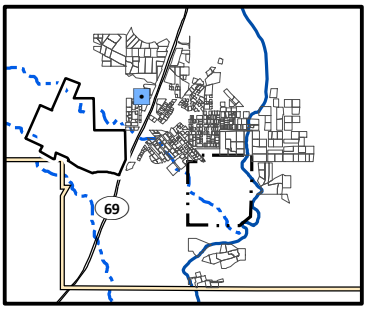


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

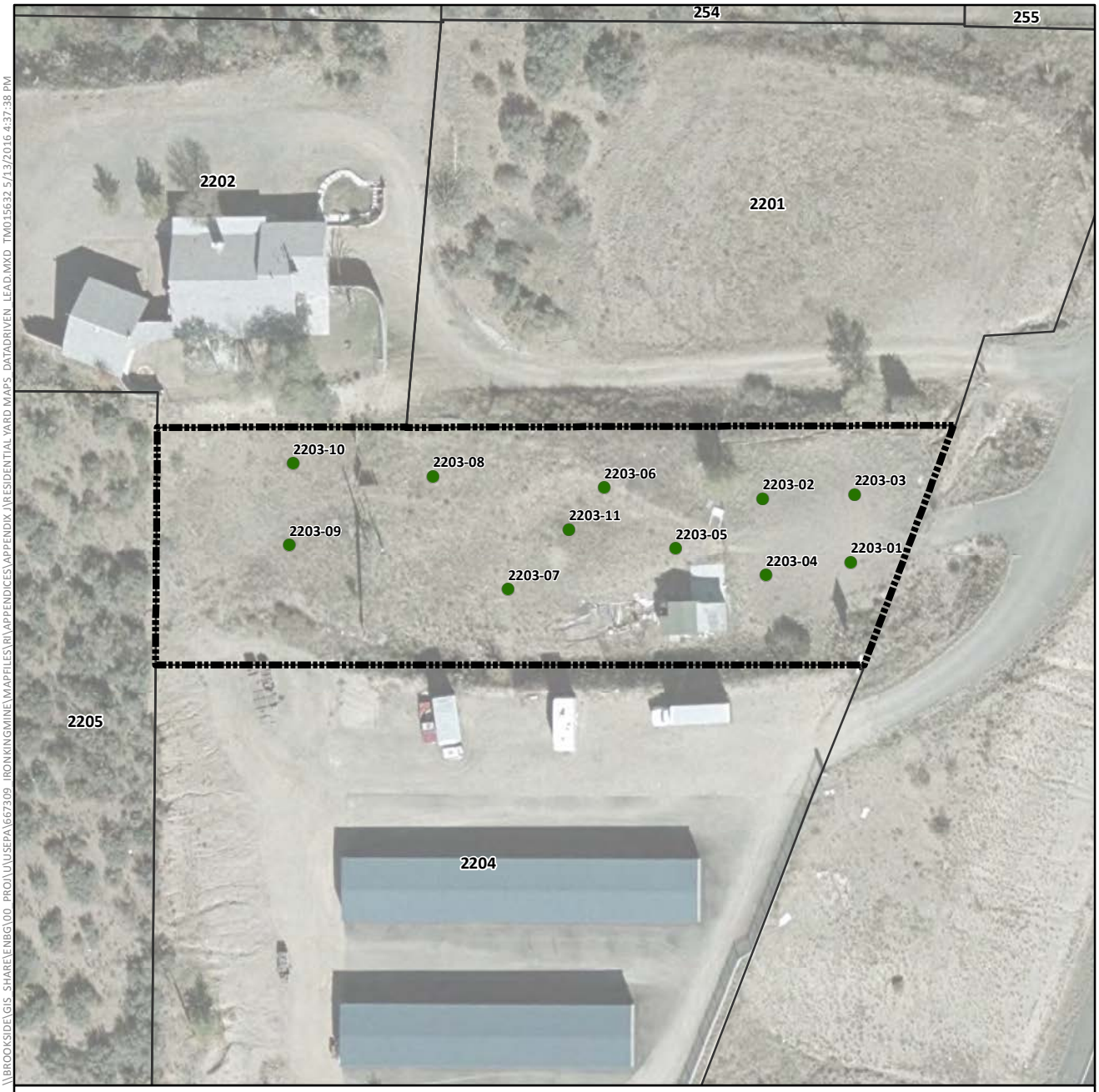
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2202 (Page 256 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



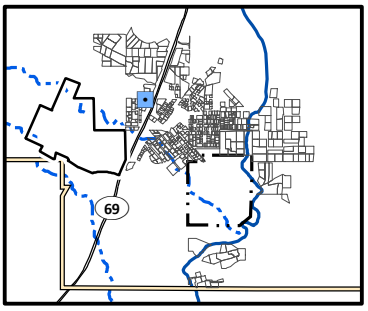
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2203 (Page 257 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



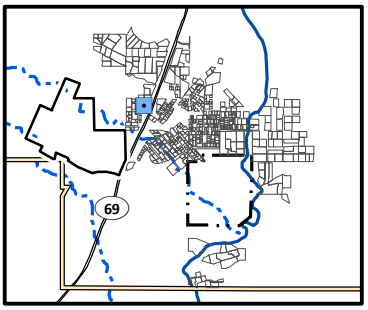
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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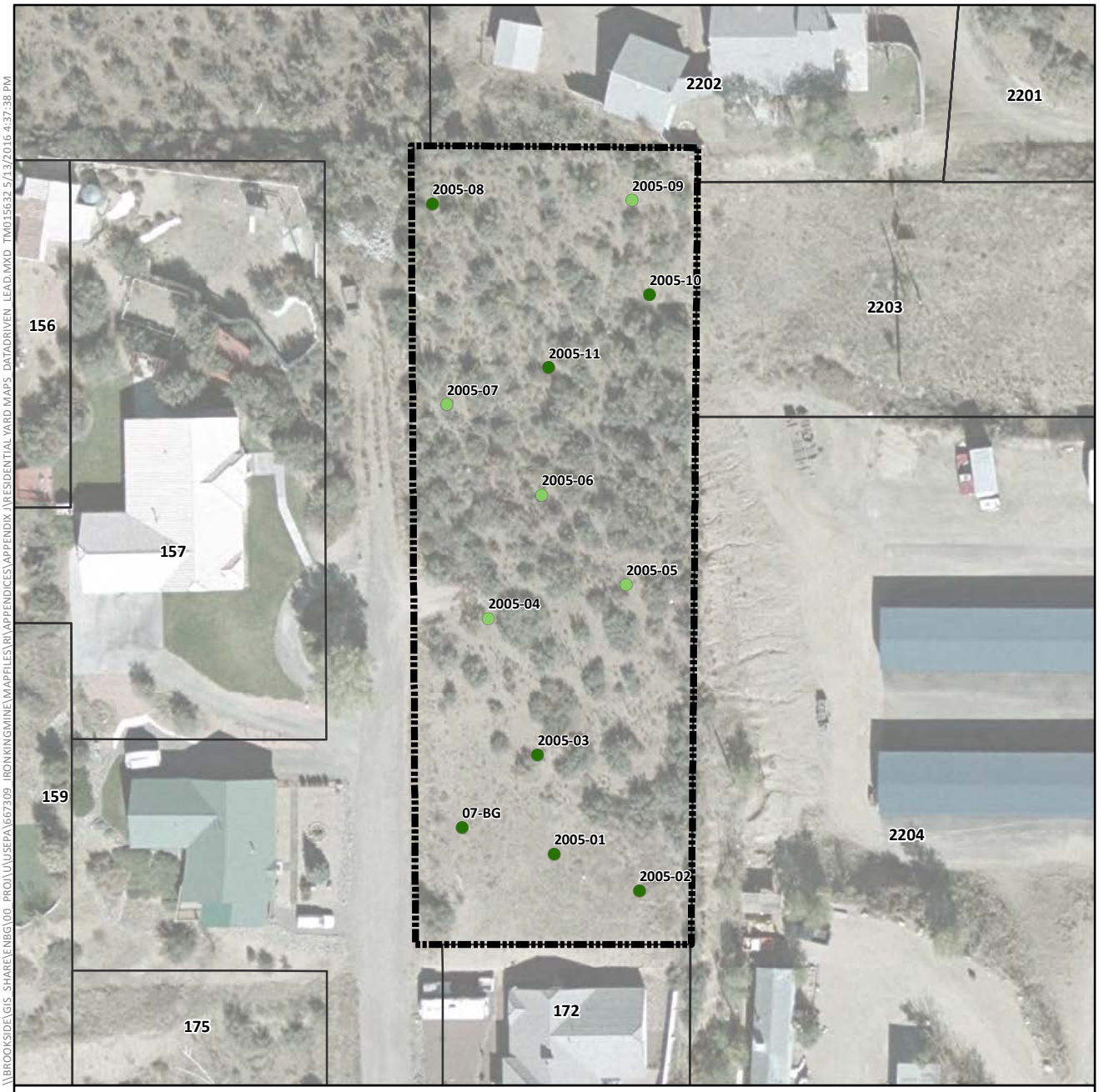


0 125
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2204 (Page 258 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



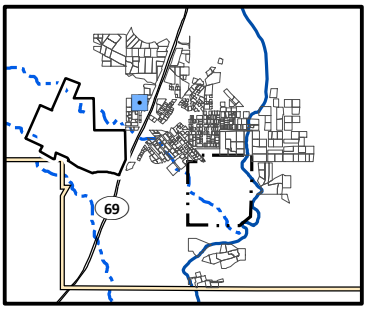
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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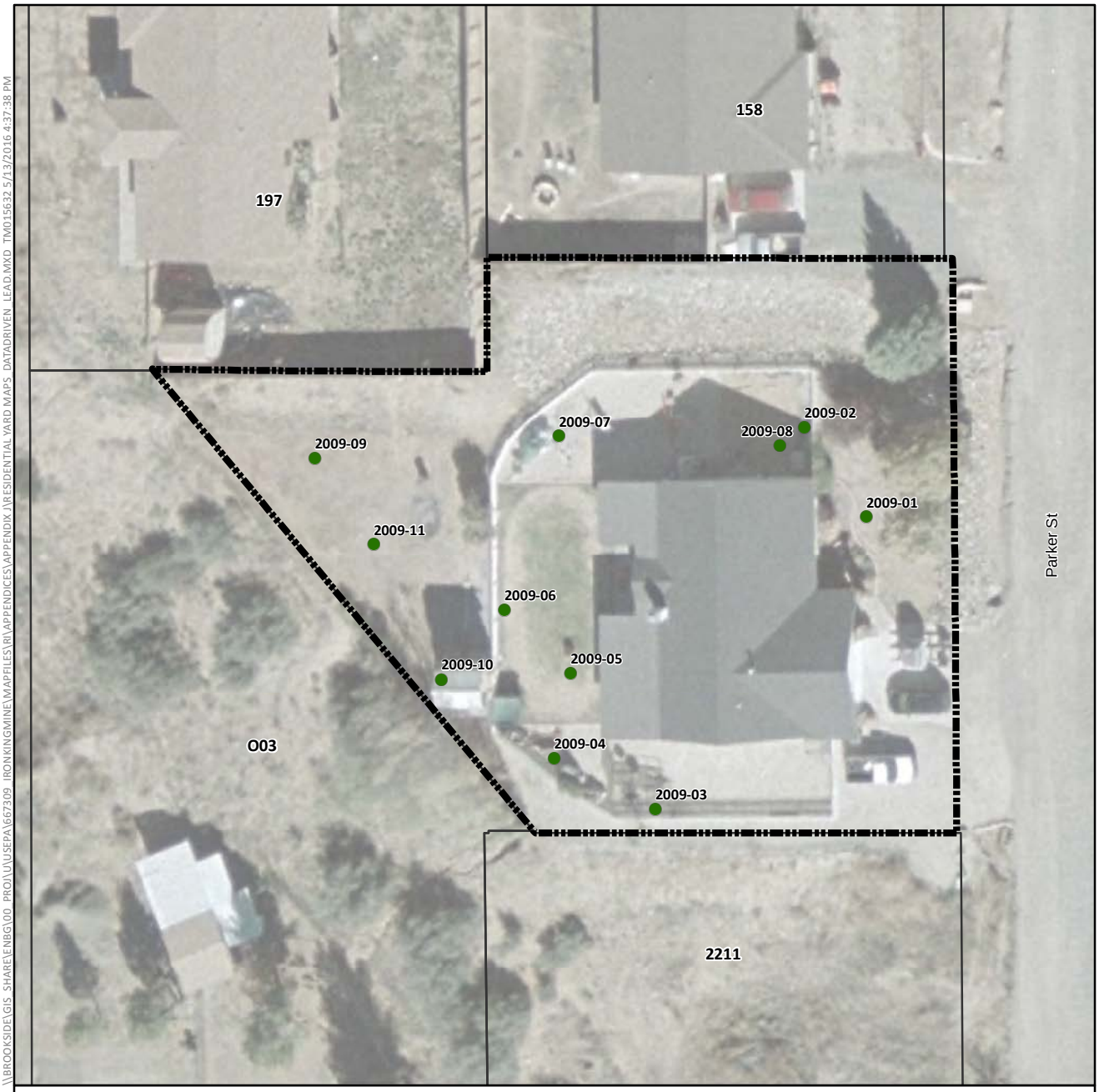


0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2205 (Page 259 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



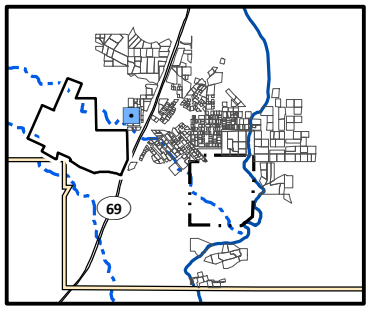
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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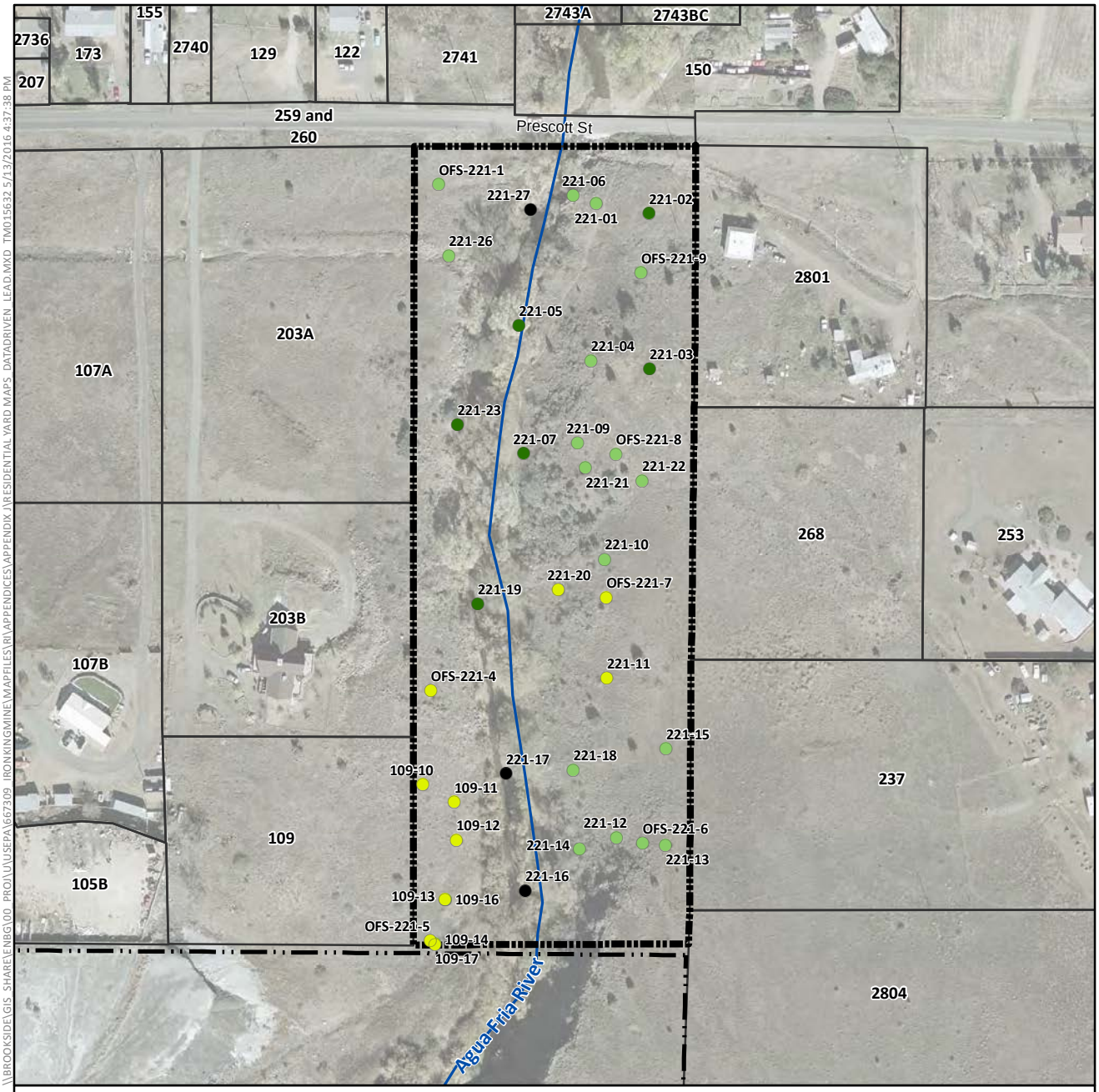


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2209 (Page 260 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

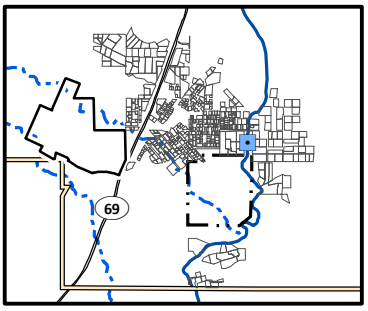


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 330
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 221 (Page 261 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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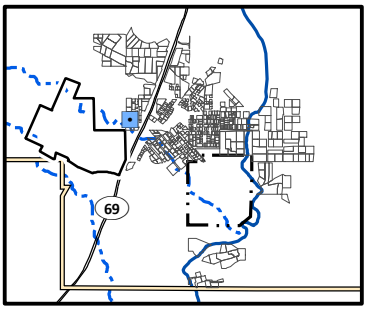
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

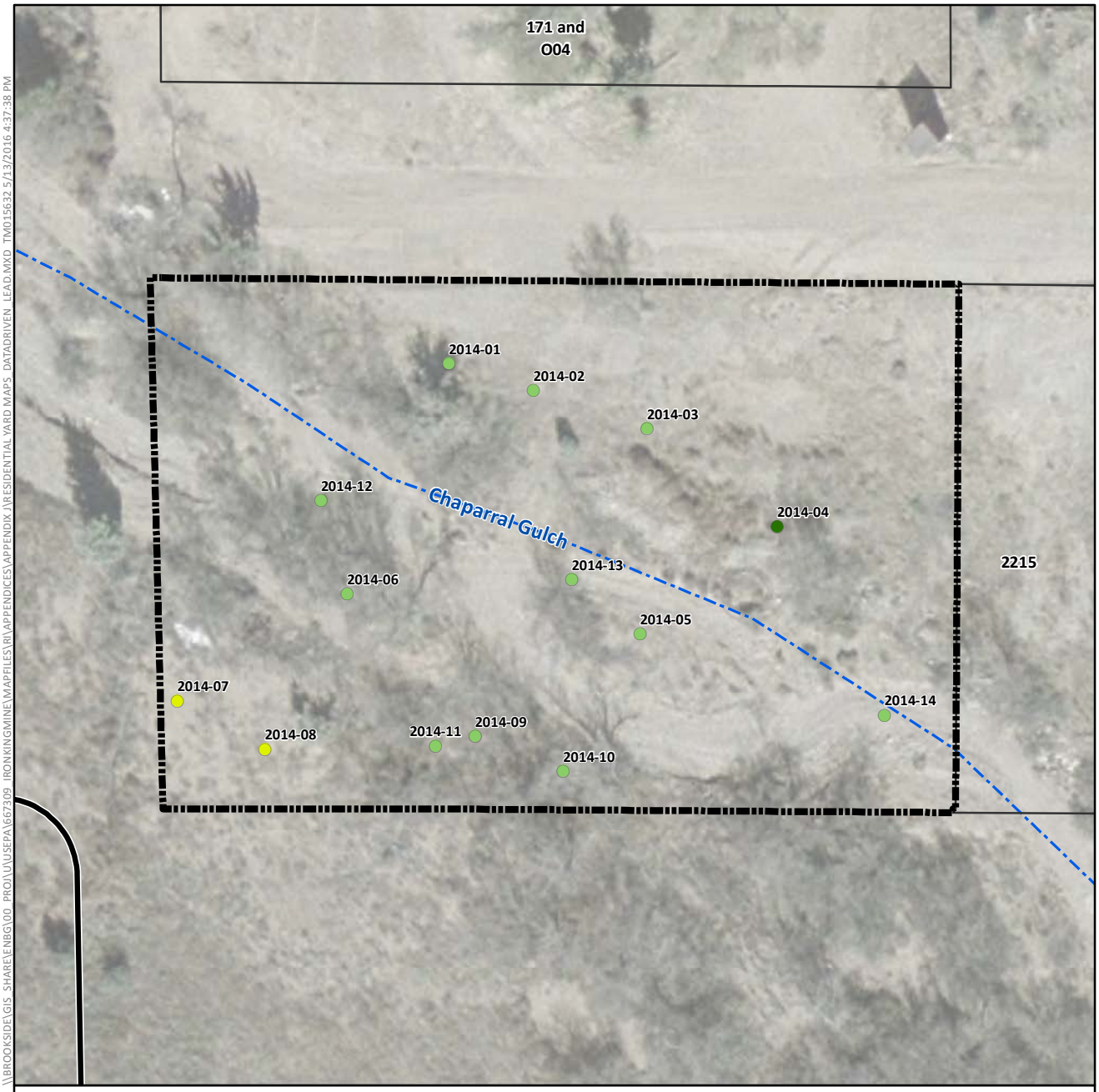


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2211 (Page 262 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



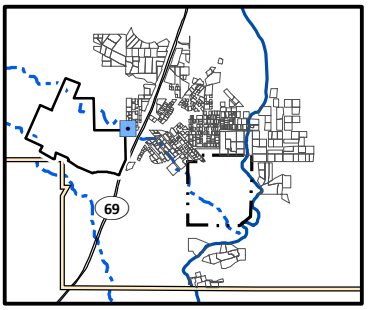
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

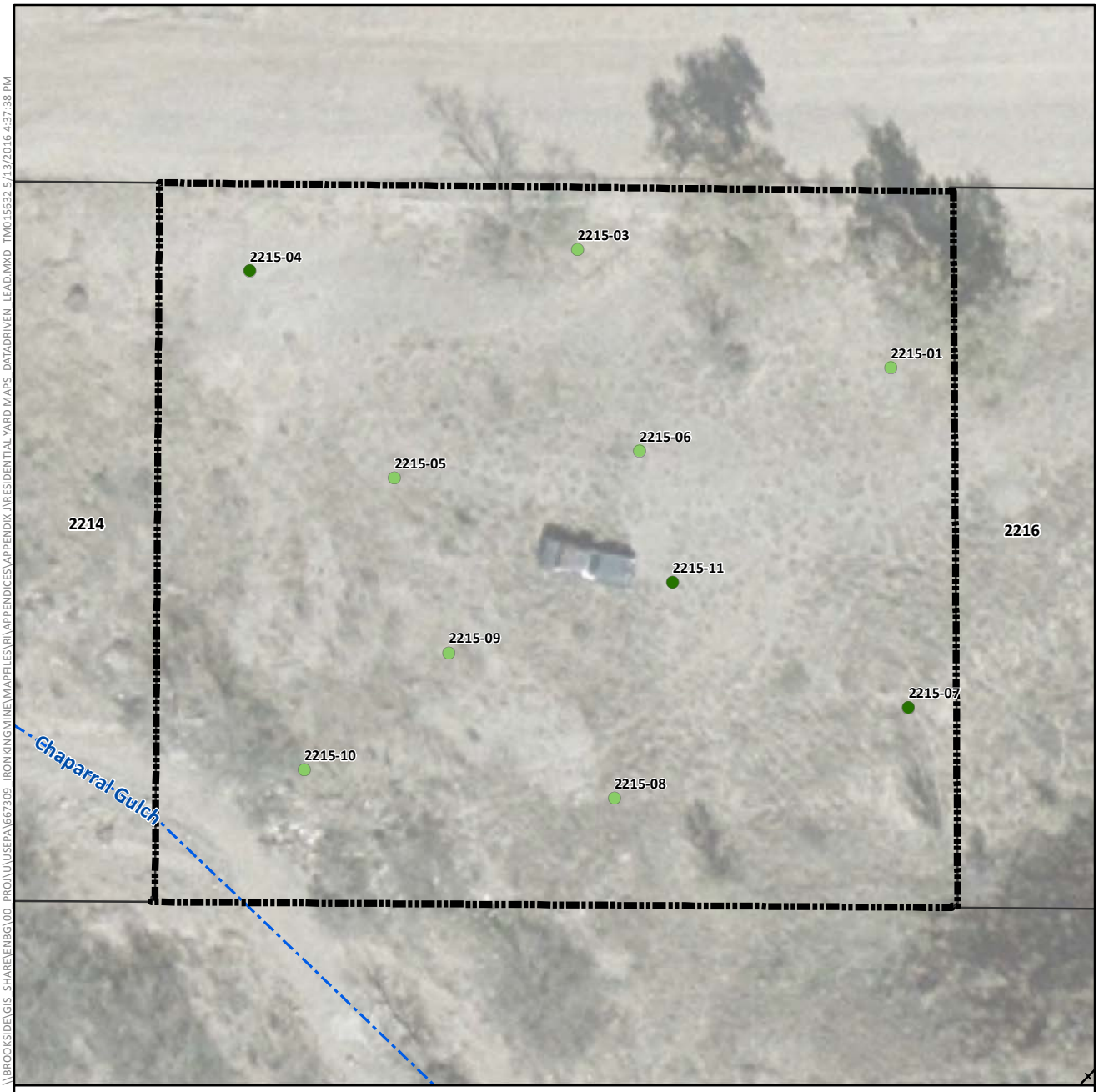


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2214 (Page 263 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



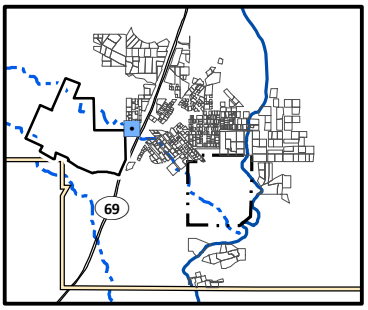
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

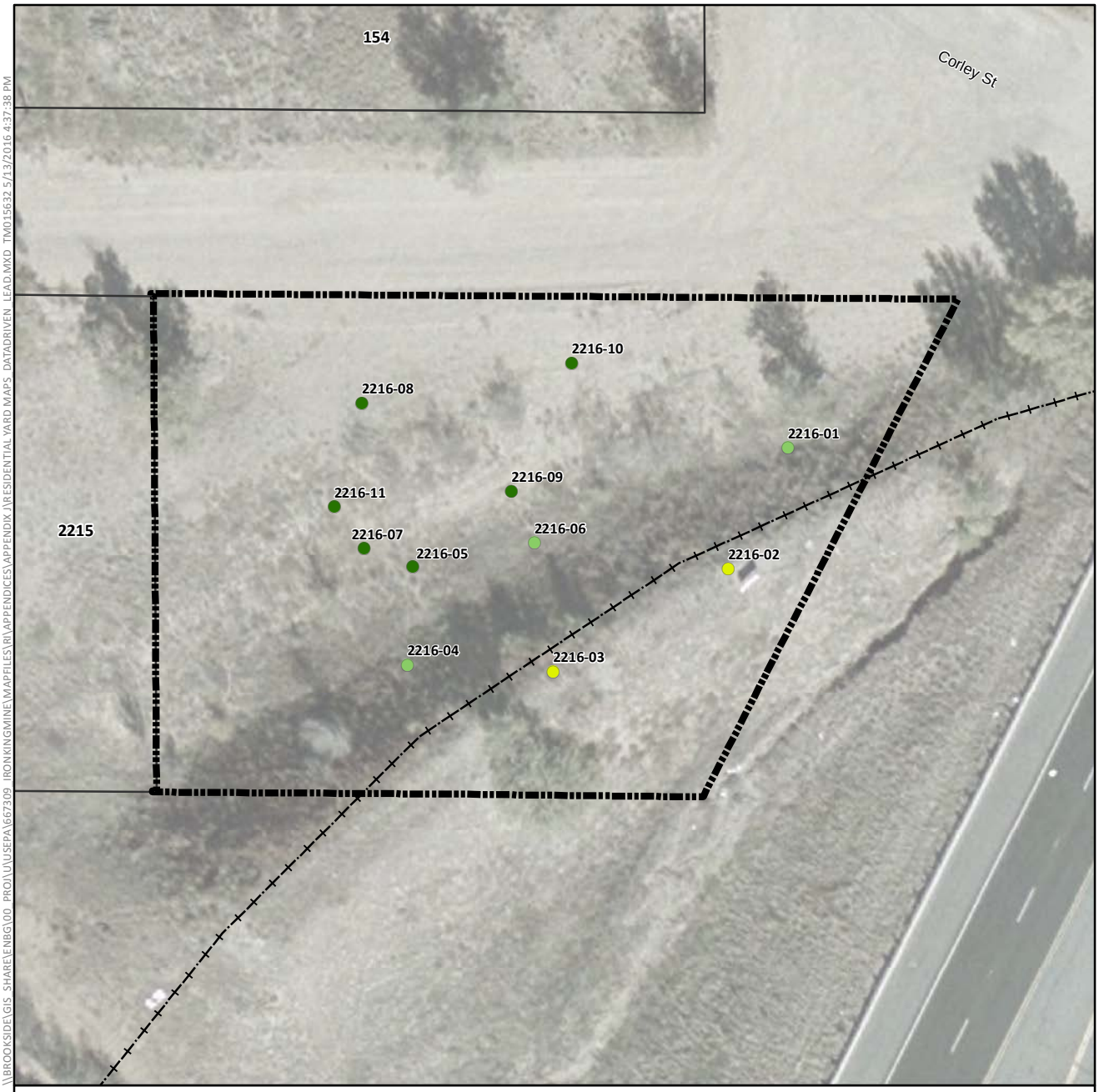


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2215 (Page 264 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



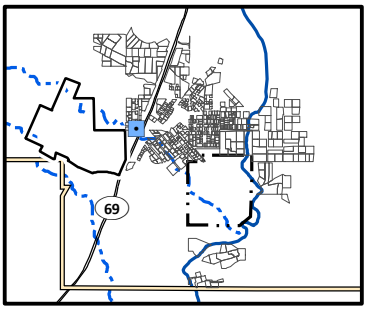
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

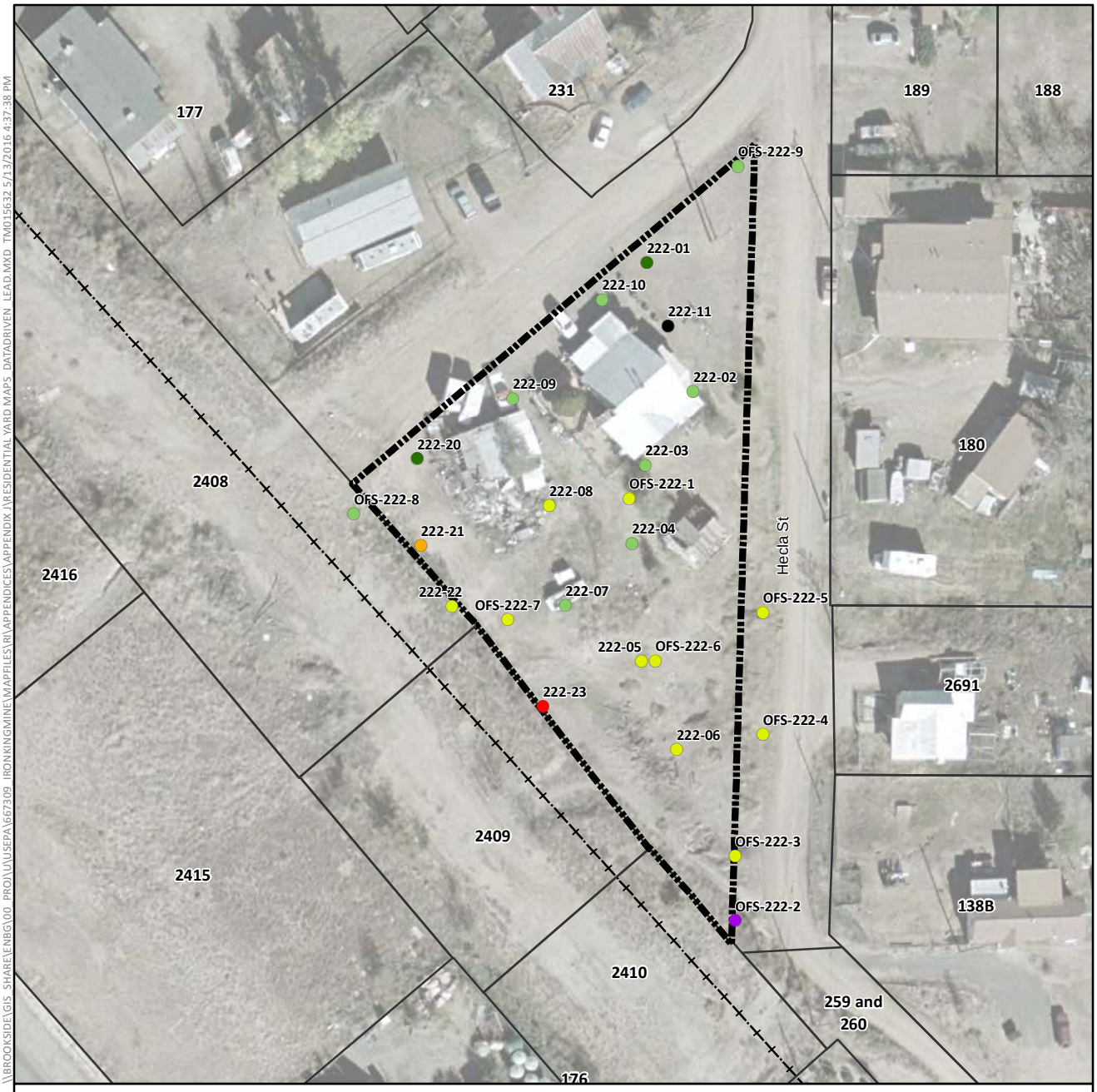
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2216 (Page 265 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



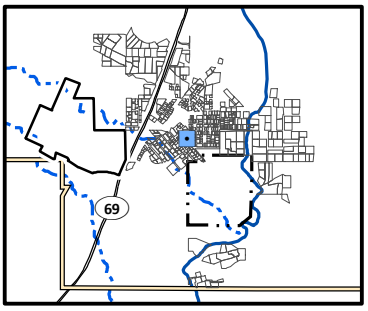
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

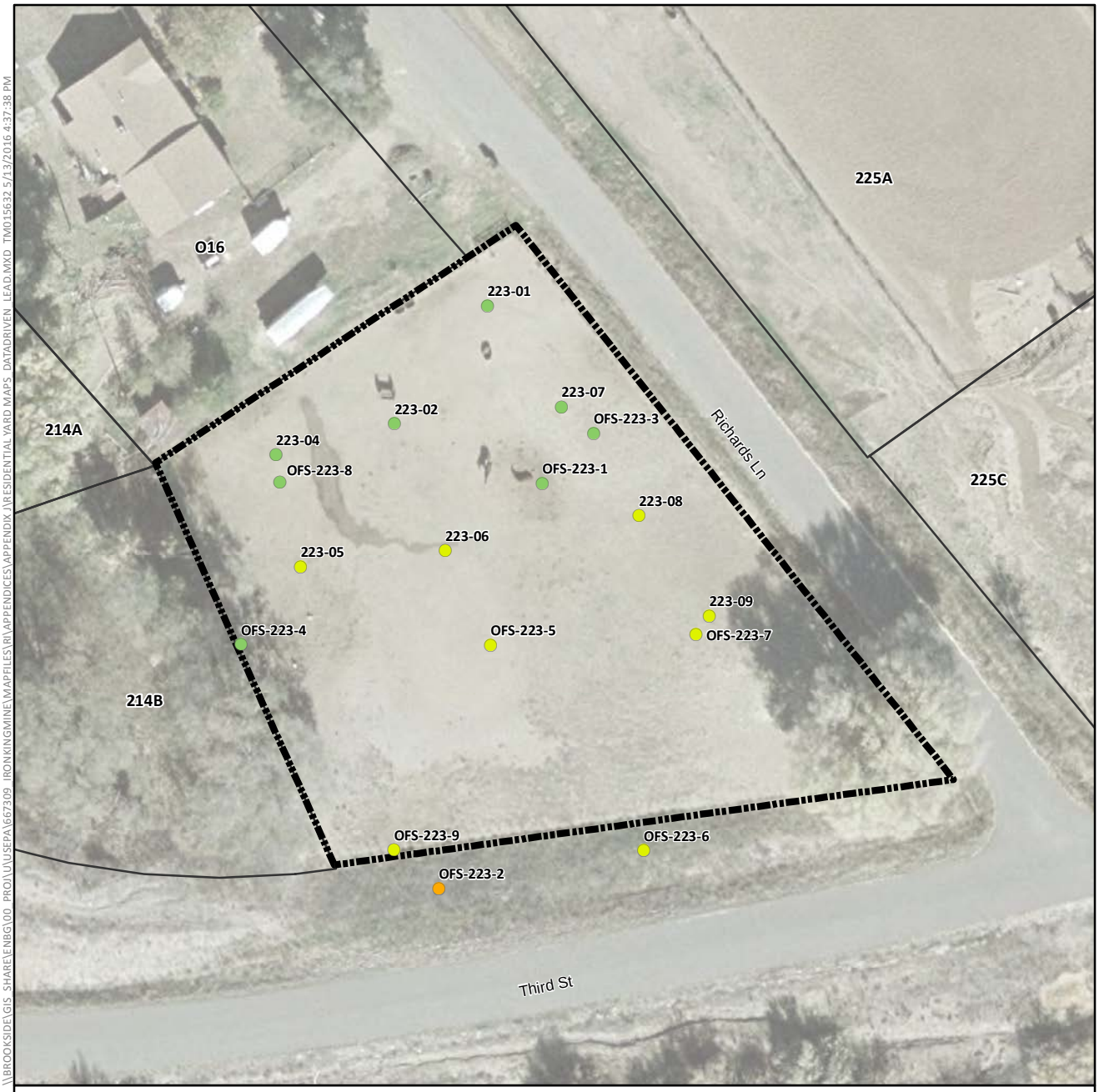


0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 222 (Page 266 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



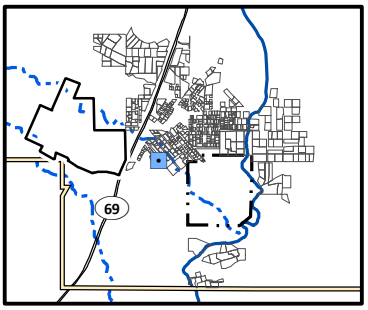
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

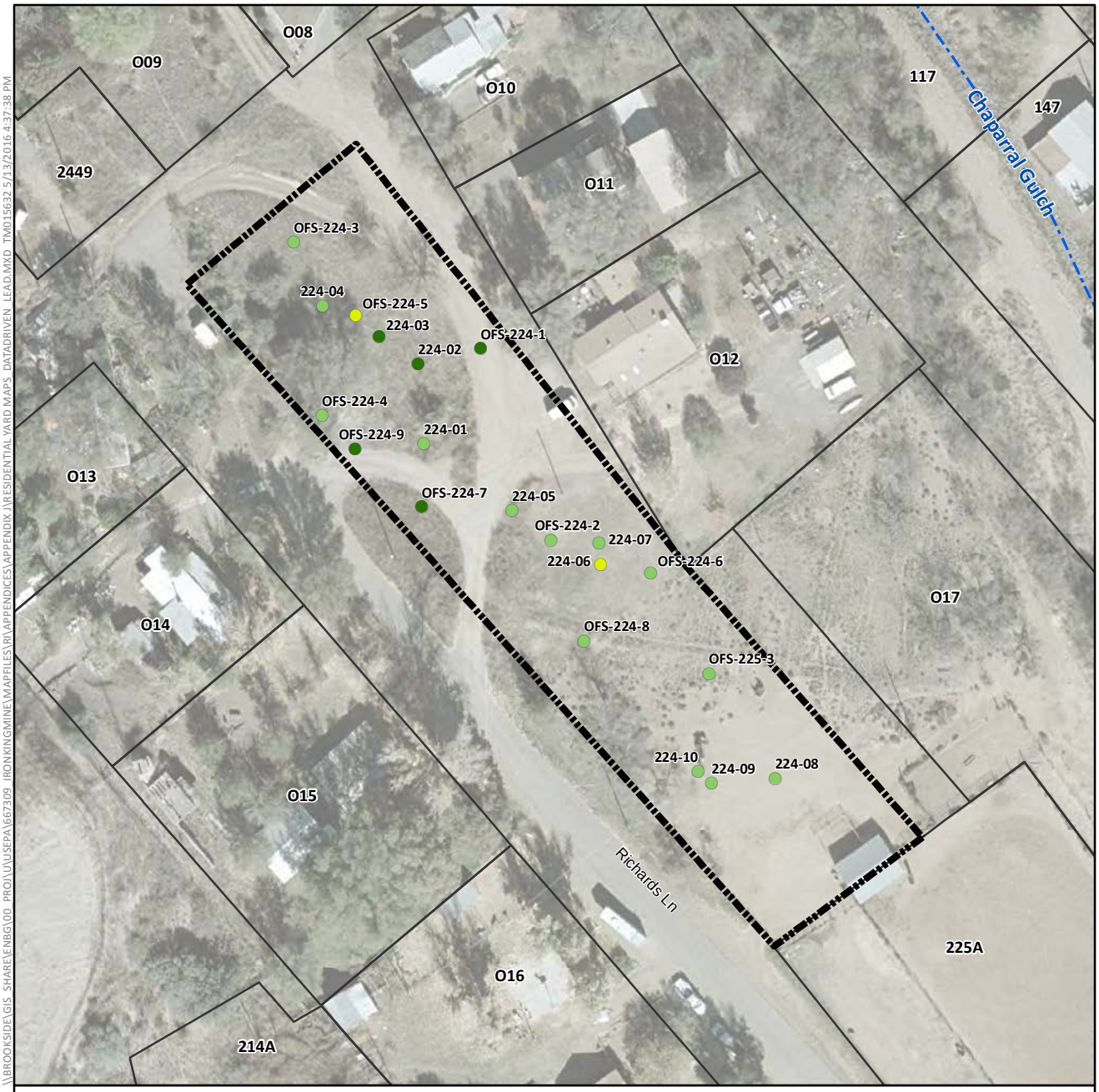
Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 223 (Page 267 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



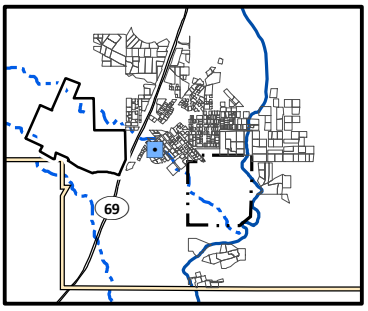
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

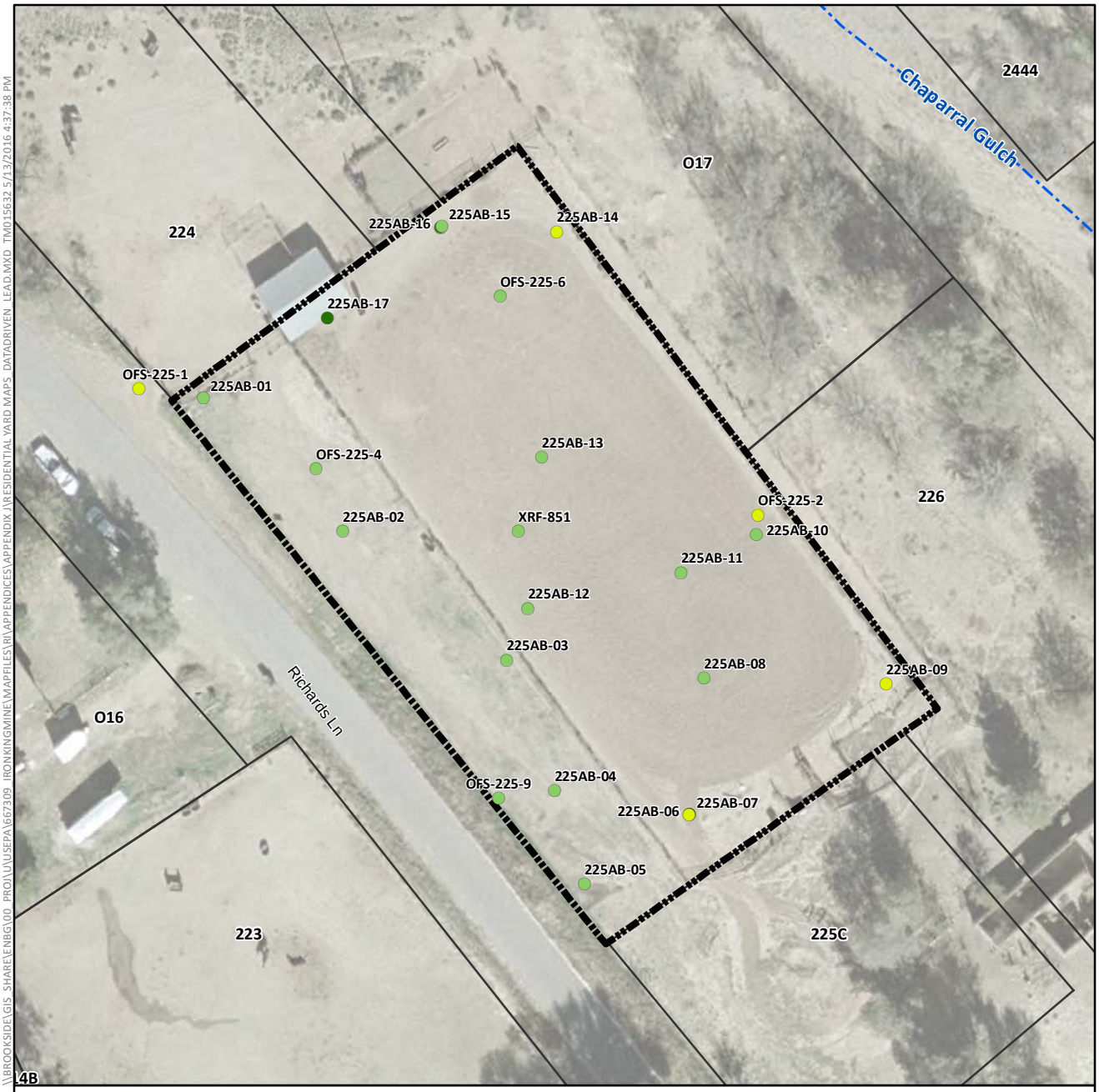


0 140
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 224 (Page 268 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



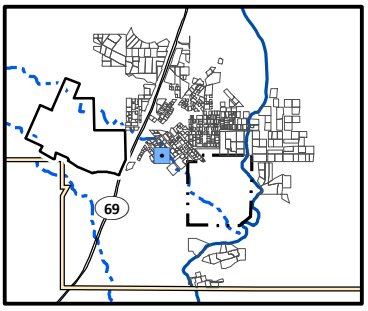
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

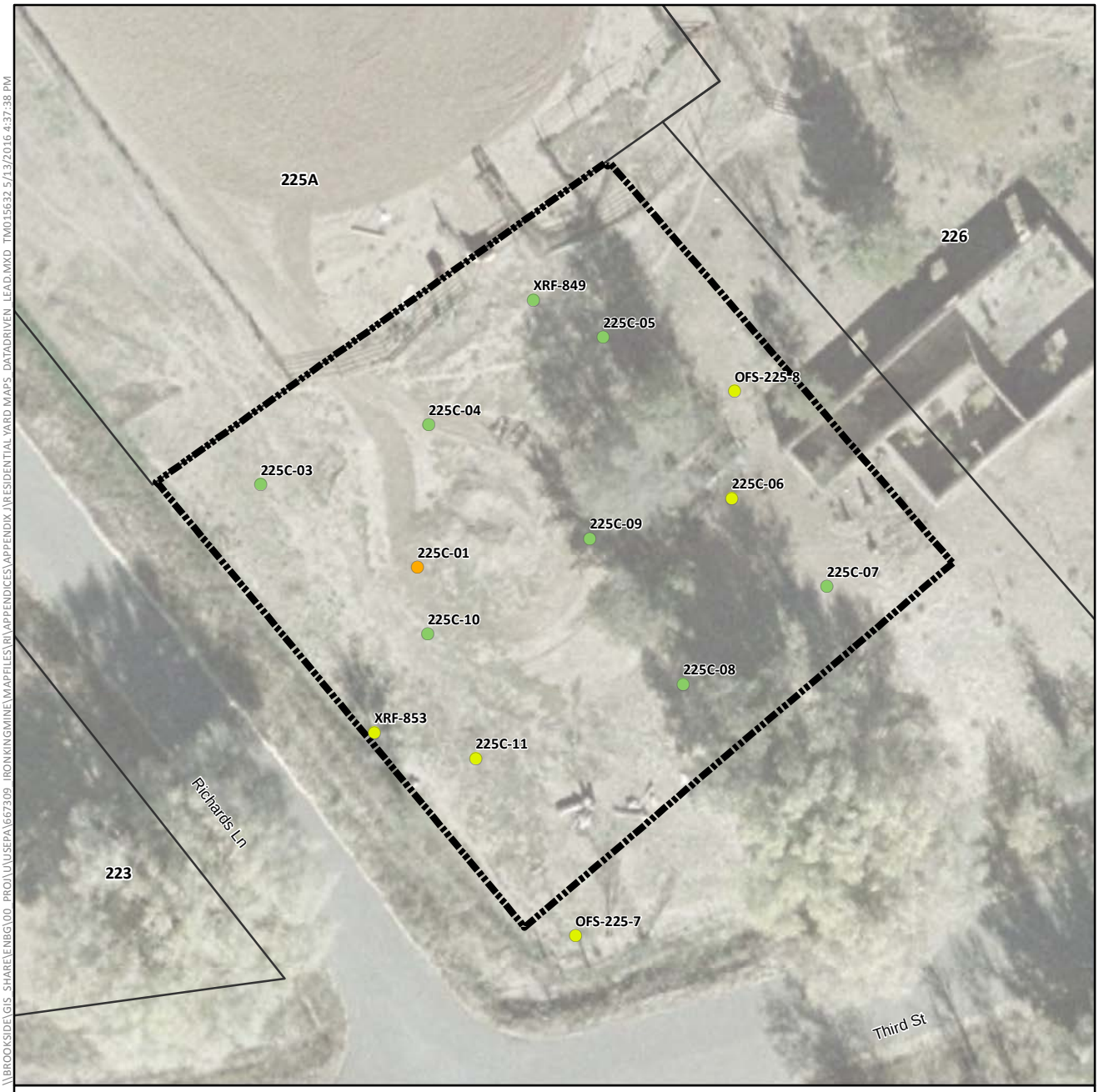
Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 225A (Page 269 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



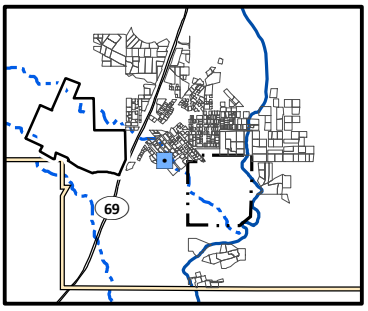
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

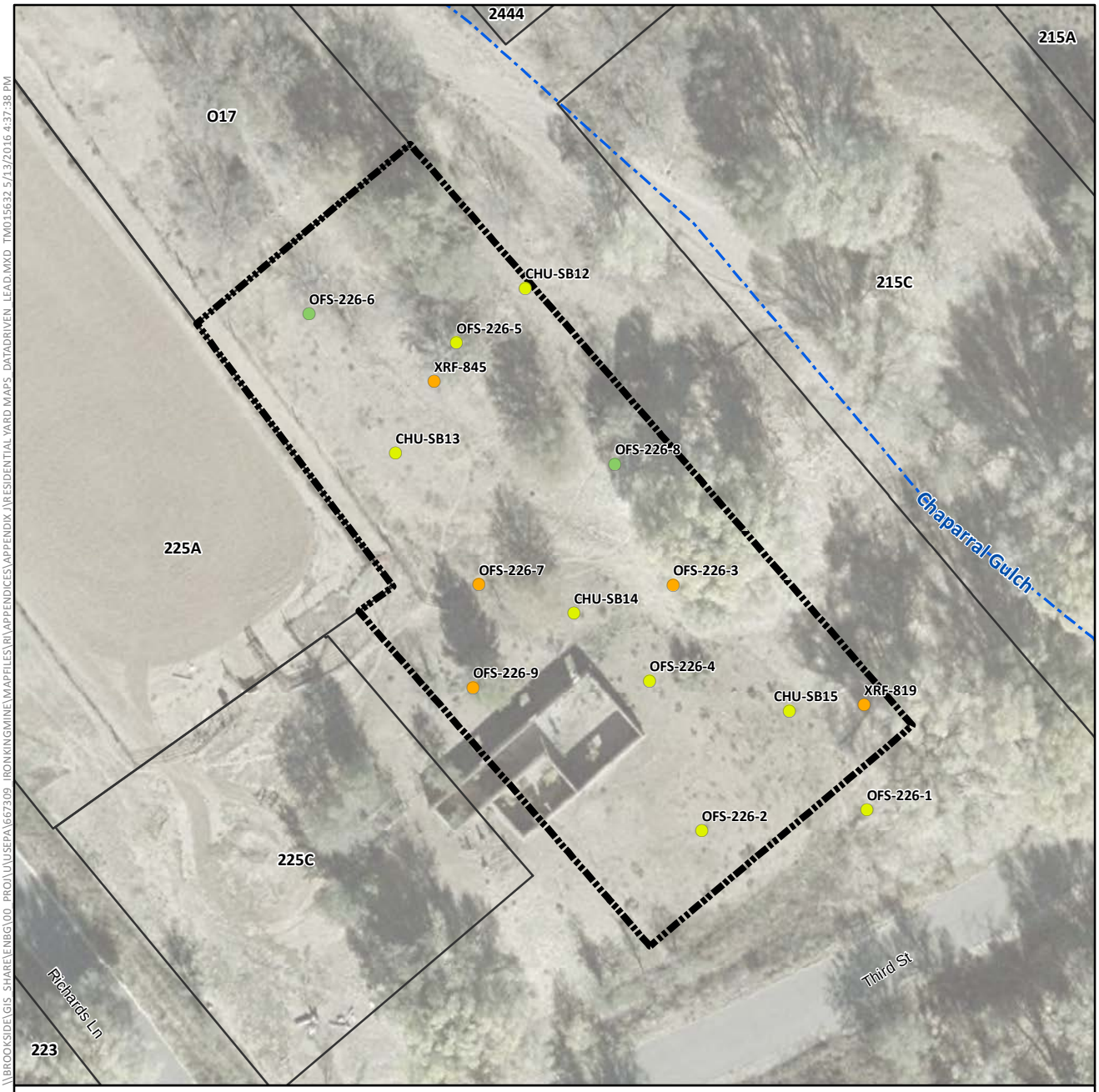


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 225C (Page 270 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



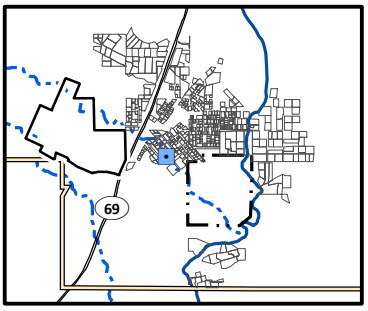
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

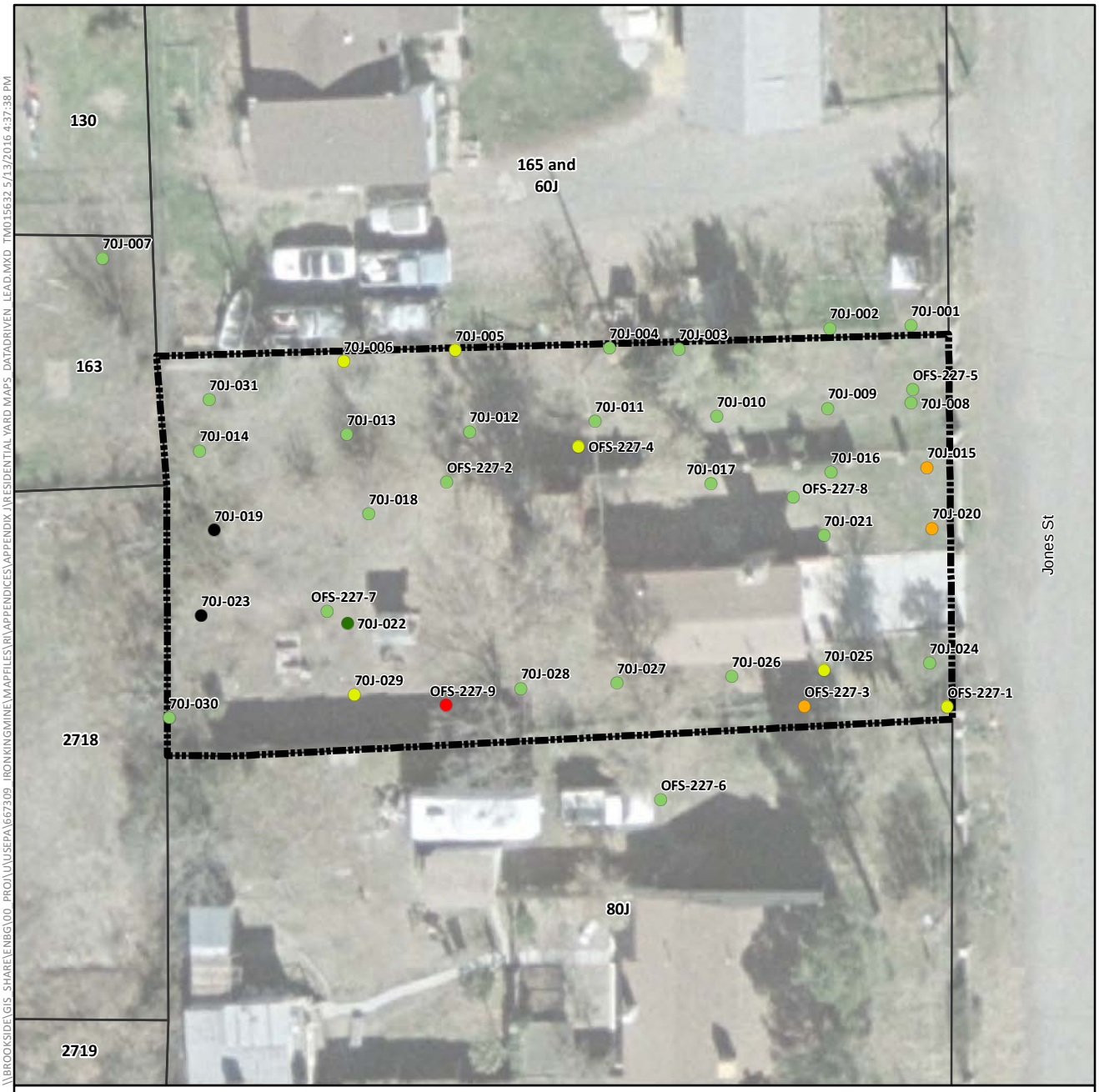
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 226 (Page 271 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



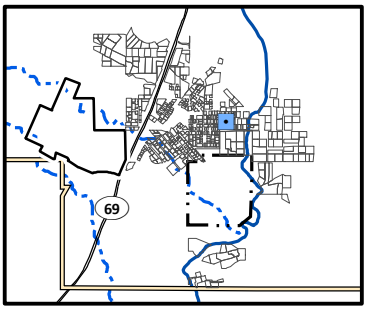
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 227 and 70J (Page 272 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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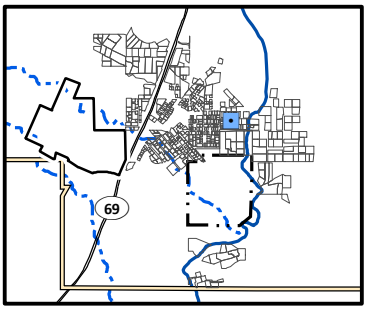


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

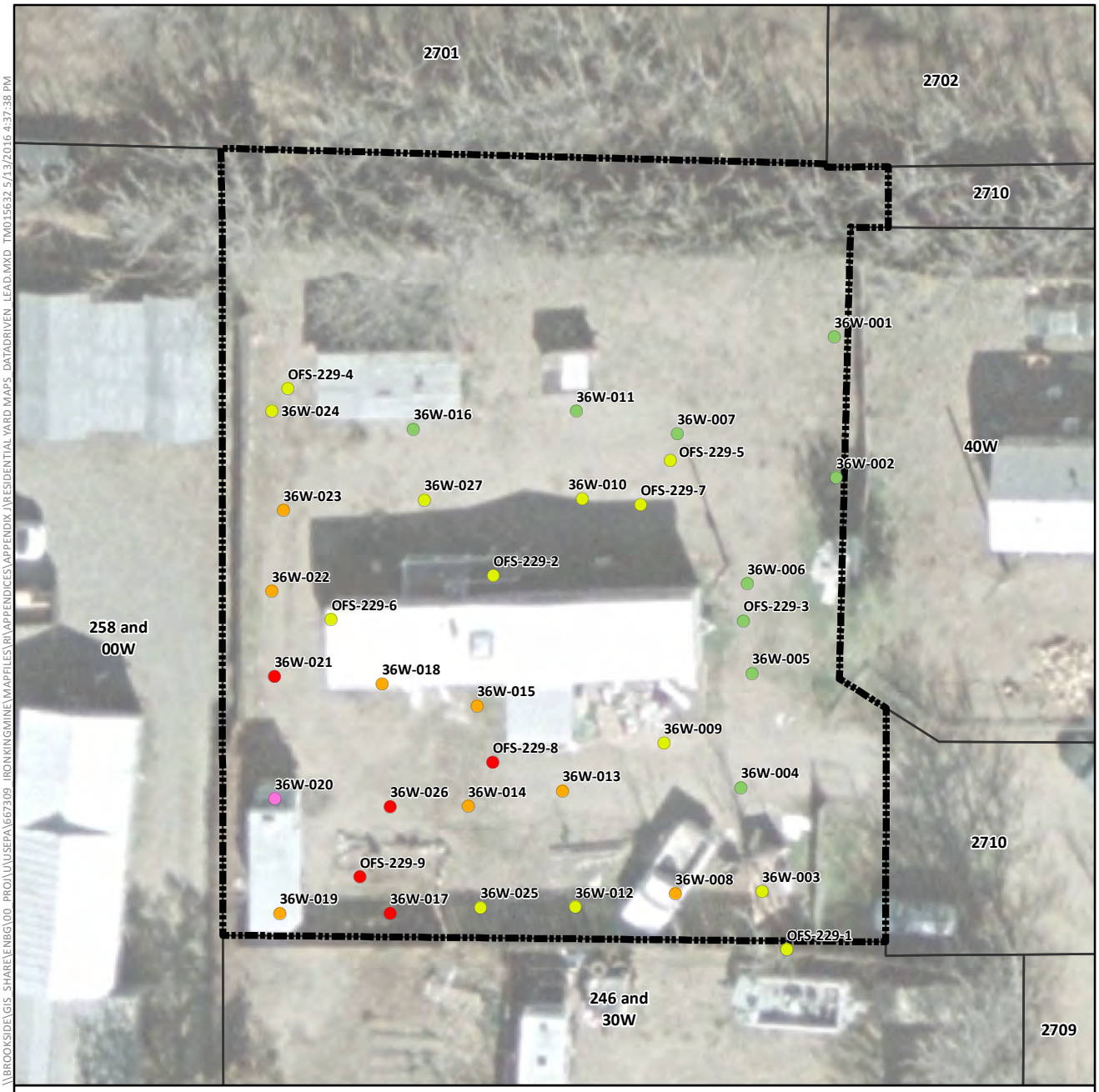


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 228 and 55J (Page 273 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



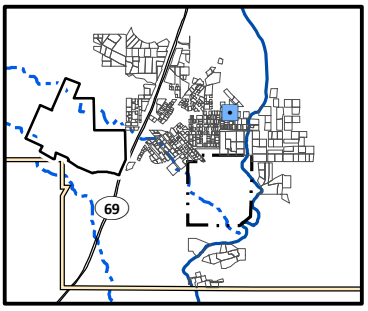
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 229 and 36W (Page 274 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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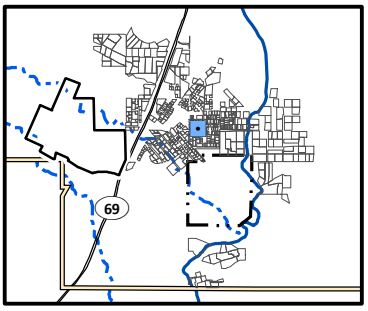


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 230 (Page 275 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



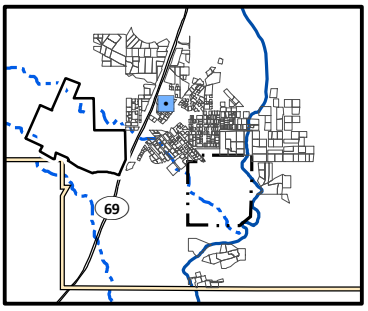
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2304 (Page 276 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



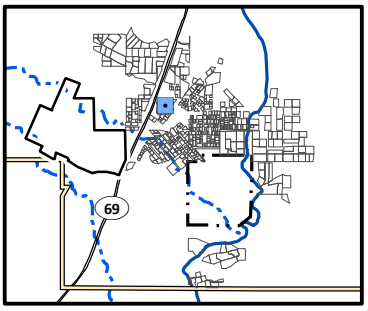
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2305 (Page 277 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



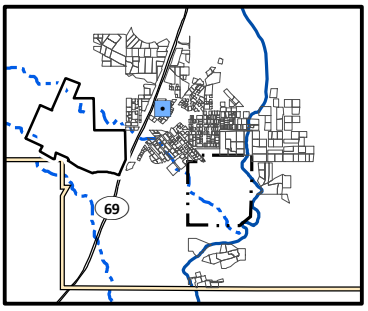
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2307 (Page 278 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



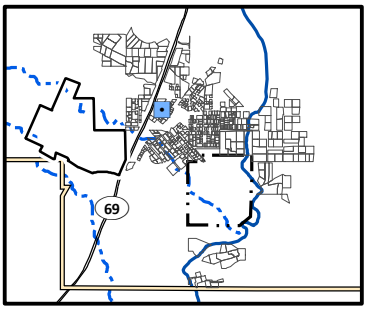
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2308 (Page 279 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



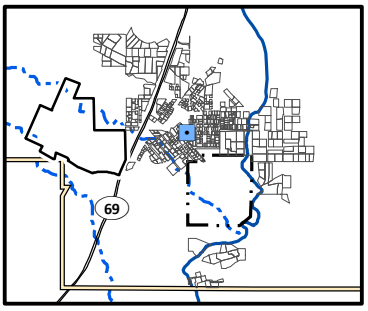
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 231 (Page 280 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



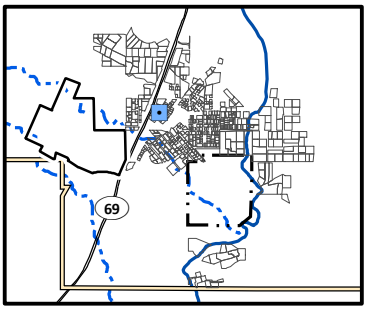
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2310 (Page 281 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



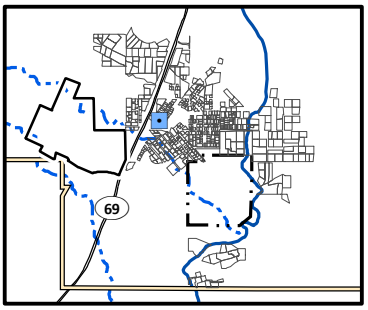
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

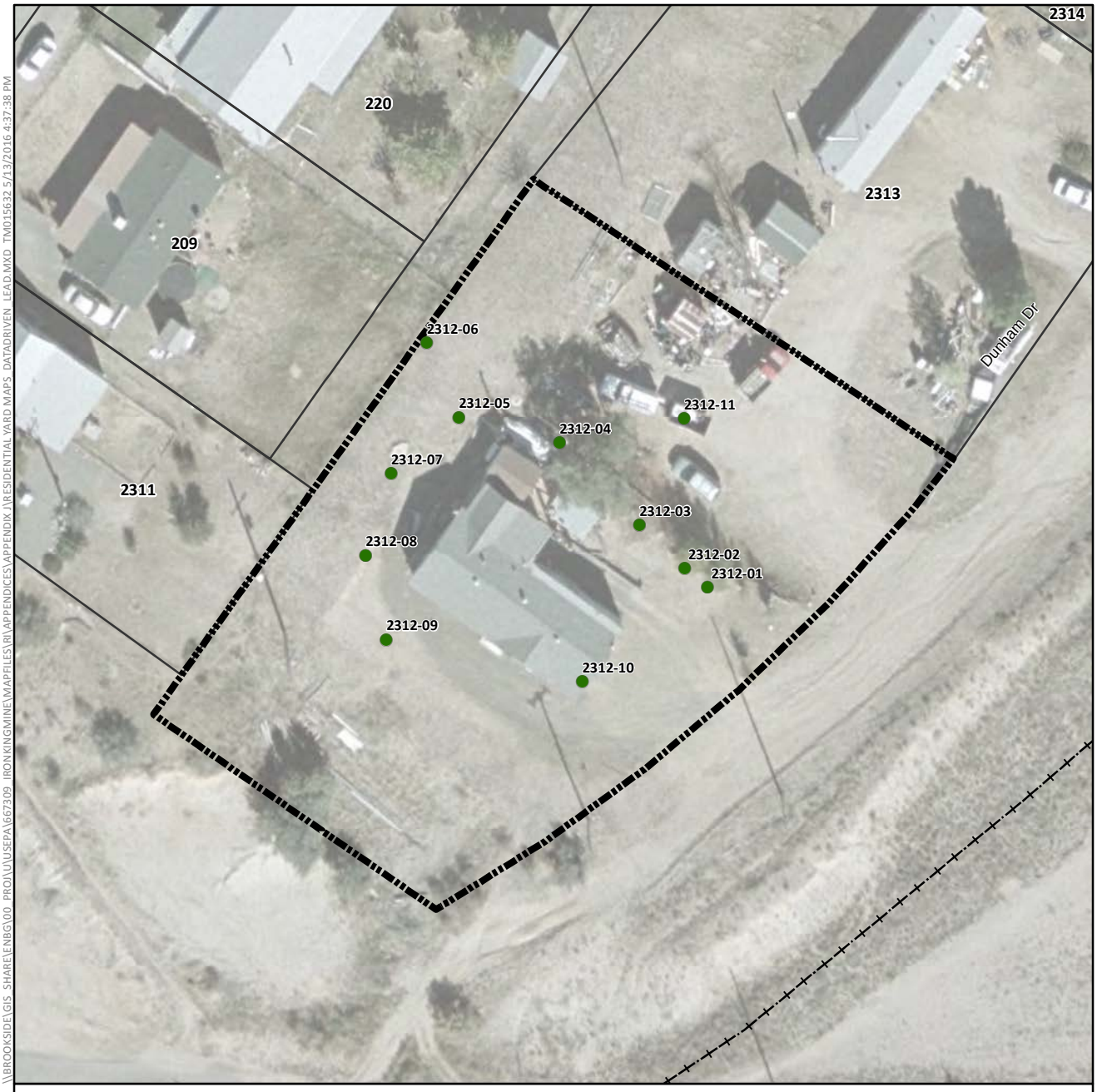
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2311 (Page 282 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



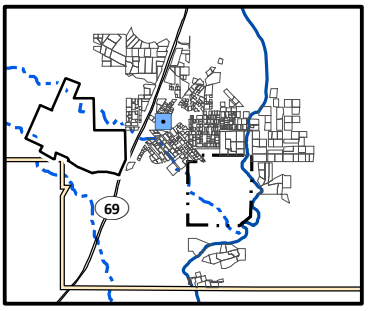
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2312 (Page 283 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



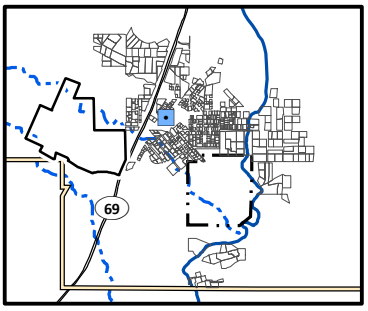
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2313 (Page 284 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



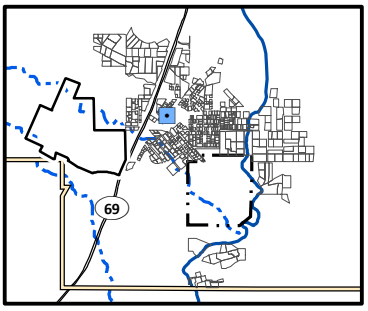
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2314 (Page 285 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



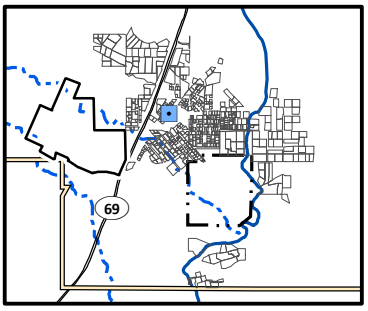
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2315 (Page 286 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



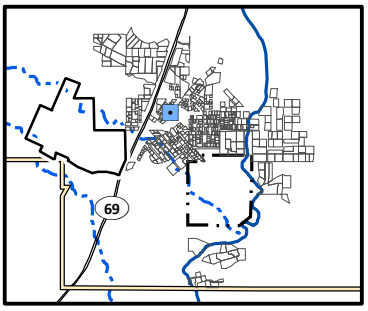
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2316 (Page 287 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



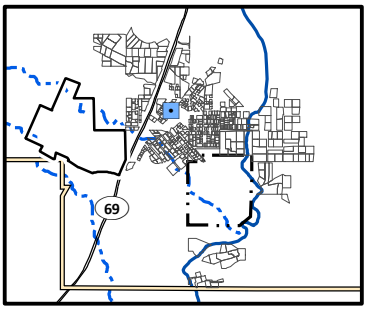
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2317 (Page 288 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



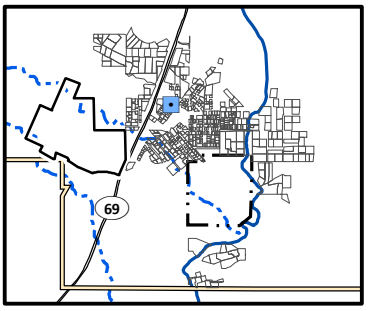
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2318 (Page 289 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



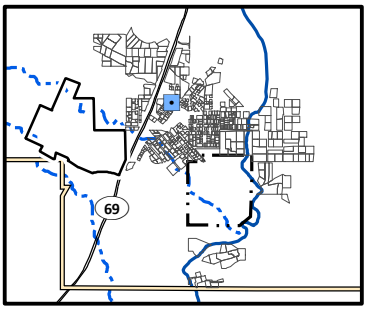
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2319A (Page 290 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



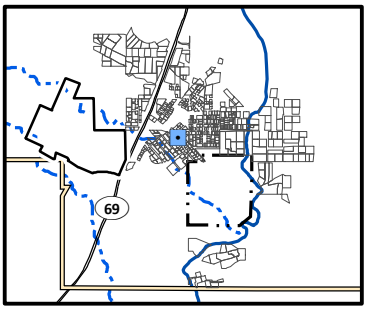
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 232 (Page 291 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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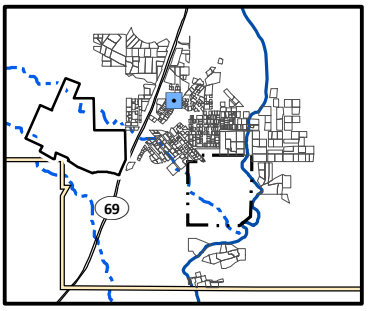


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

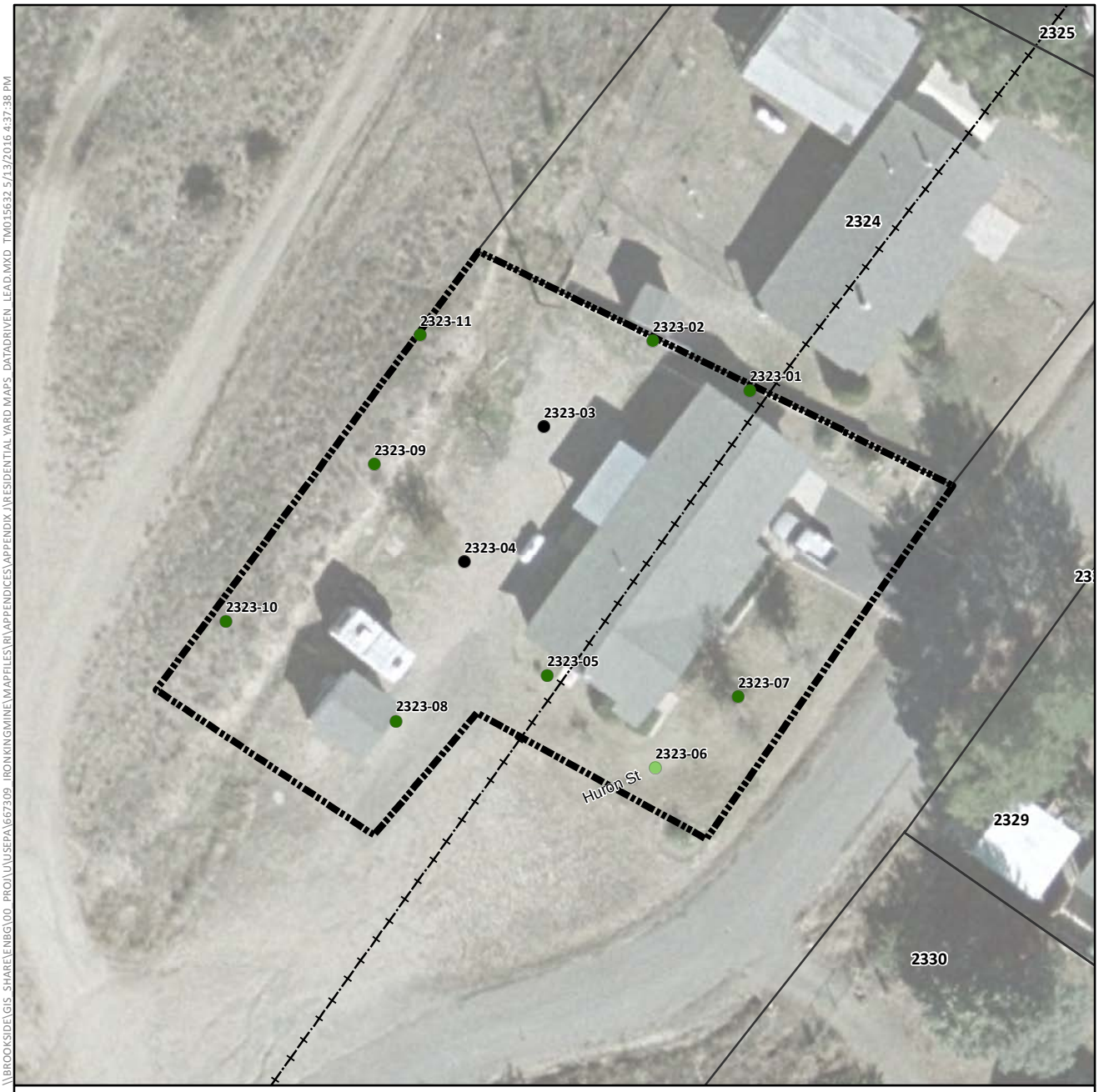


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2322 (Page 292 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



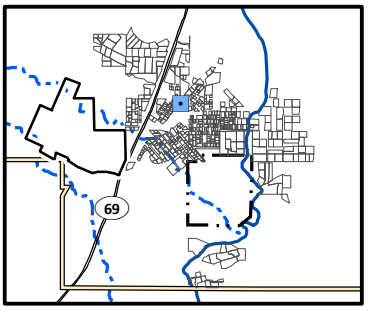
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2323 (Page 293 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



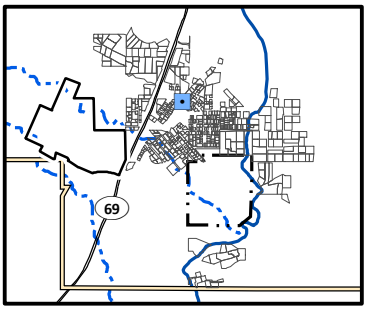
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

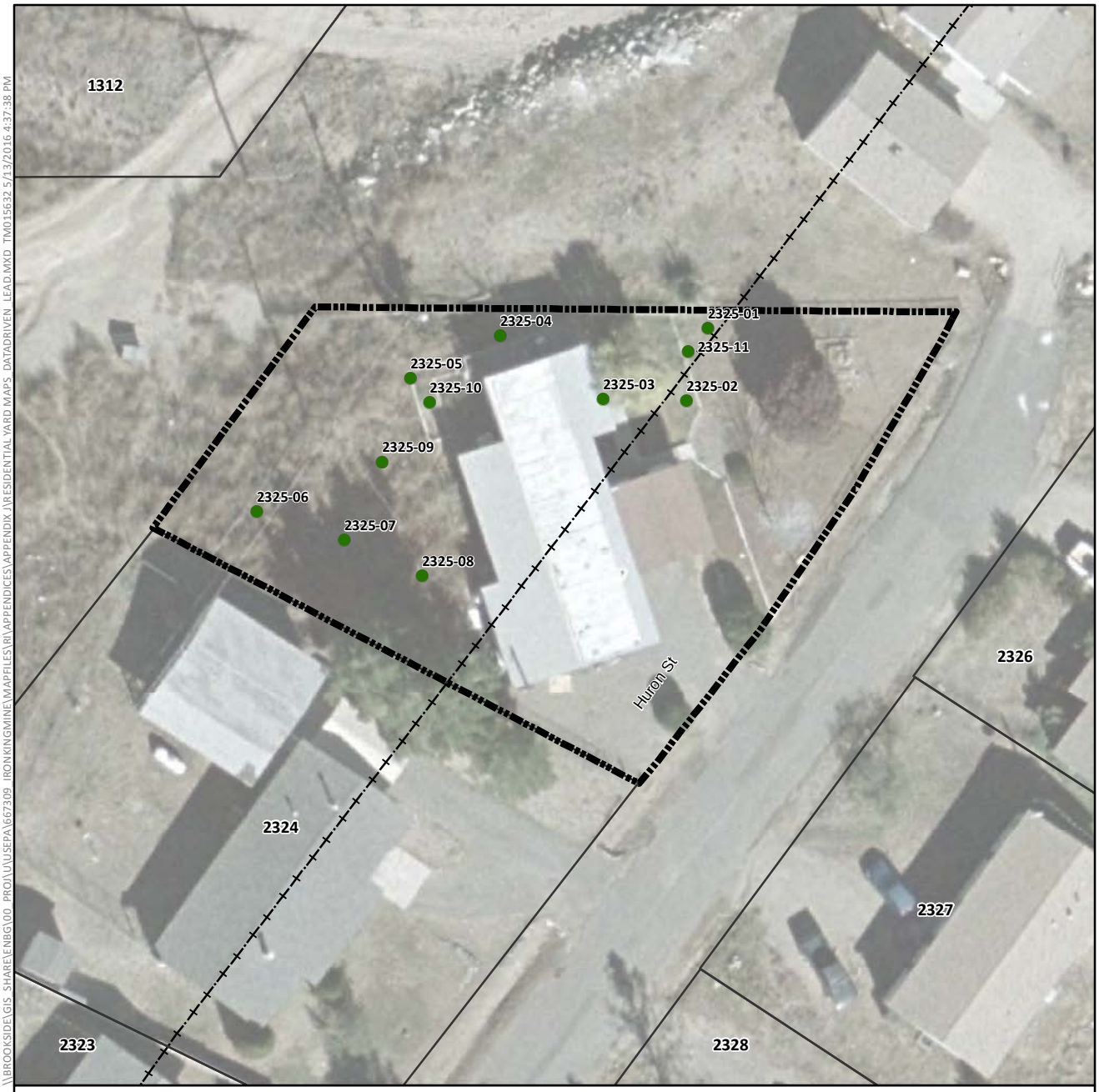


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2324 (Page 294 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



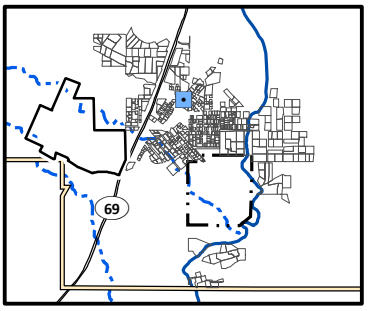
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

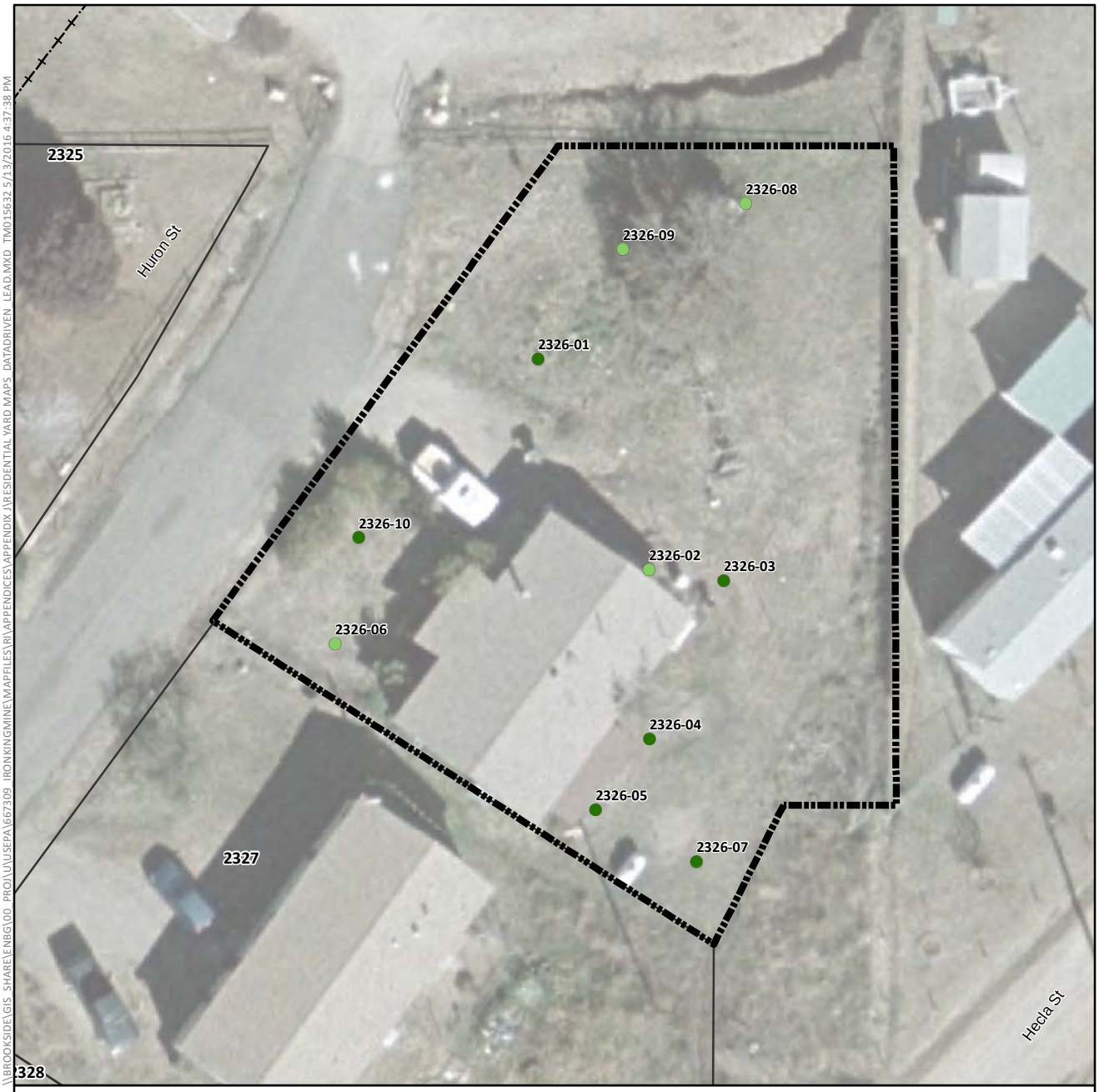


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2325 (Page 295 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



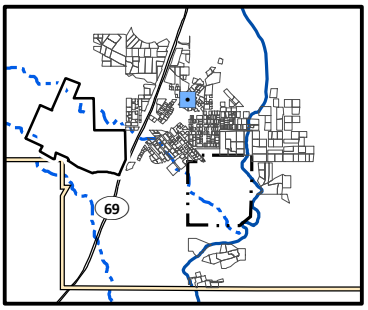
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

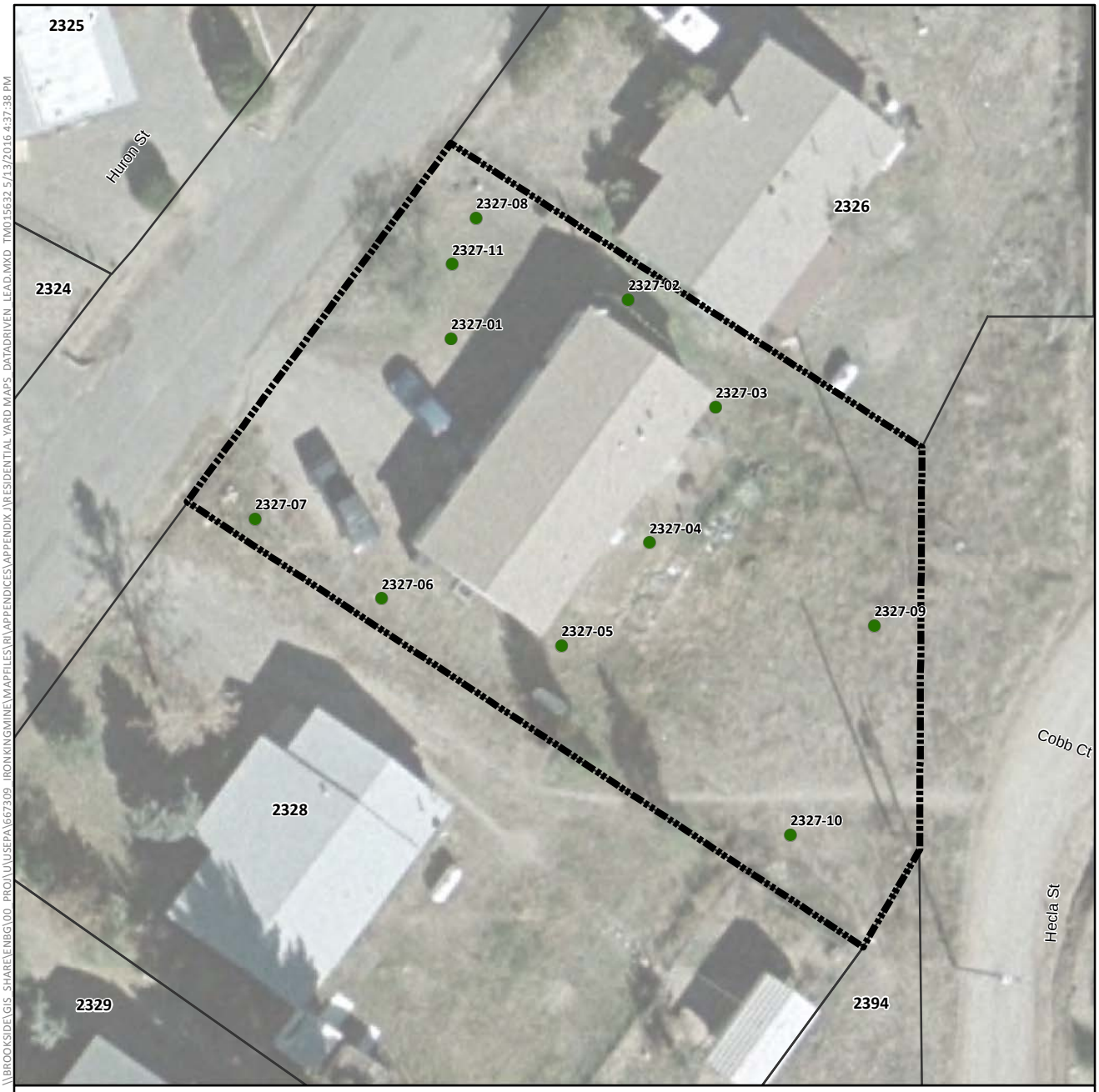


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2326 (Page 296 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



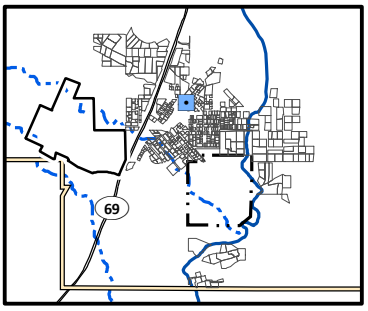
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2327 (Page 297 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



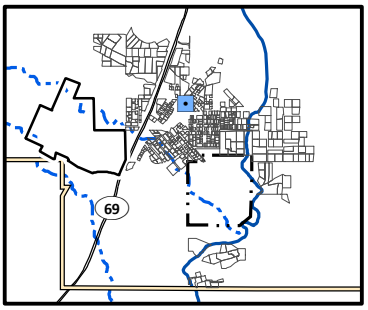
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2328 (Page 298 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



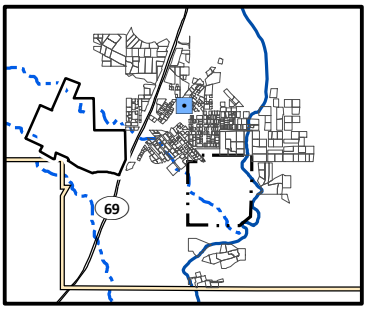
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

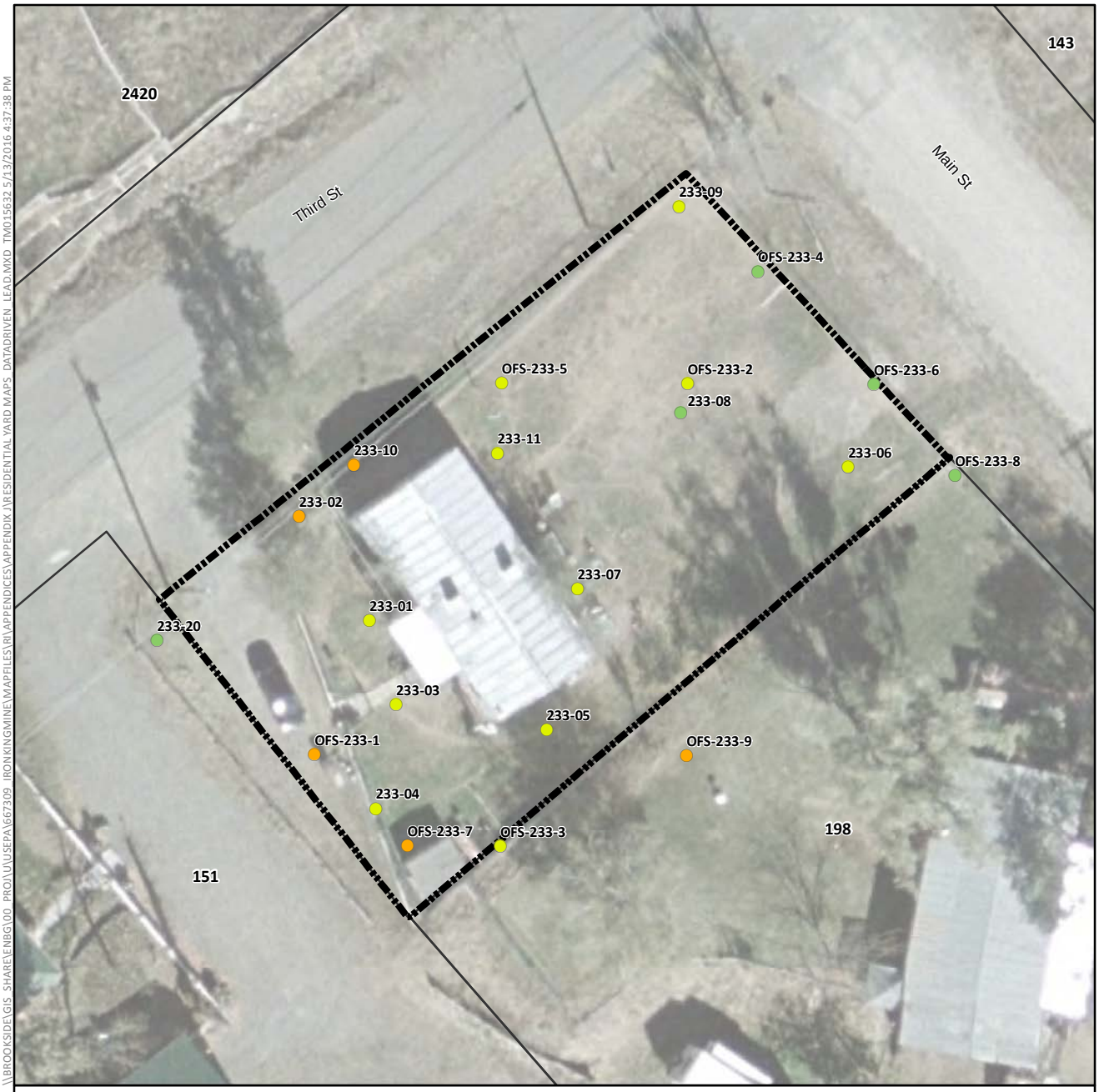
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2329 (Page 299 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



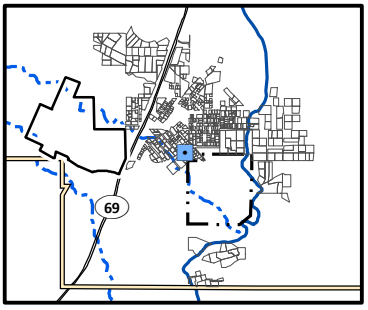
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 233 (Page 300 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



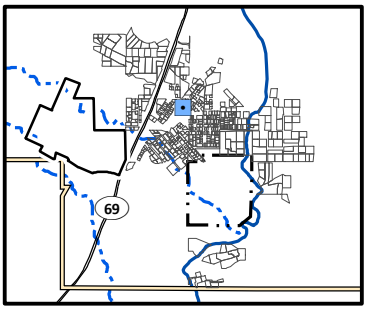
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

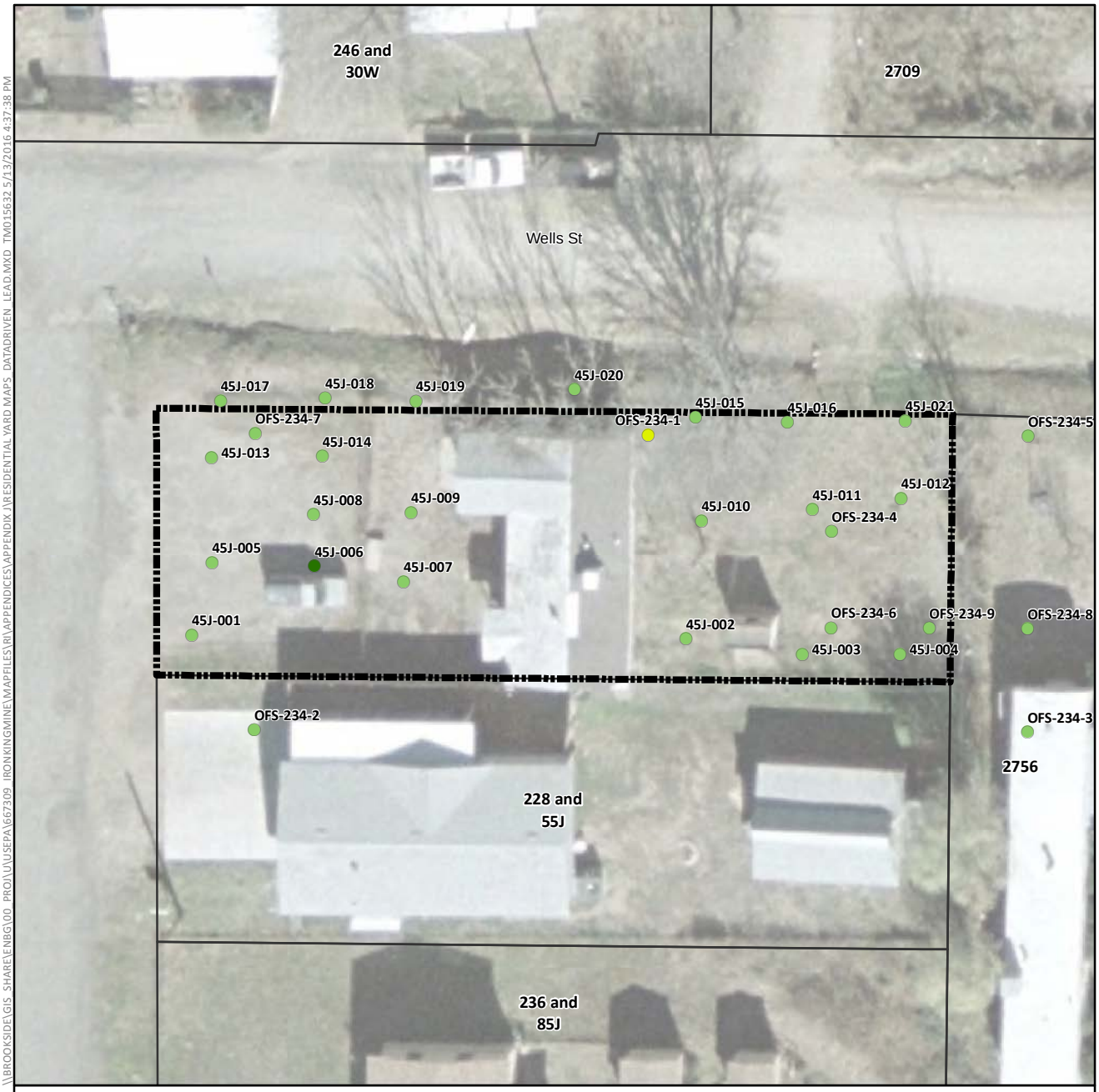


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2330 (Page 301 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



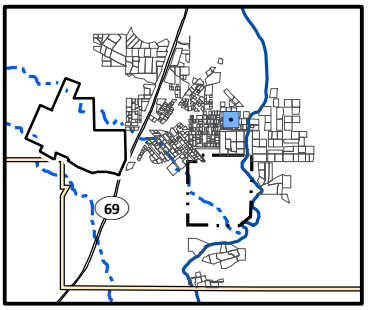
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

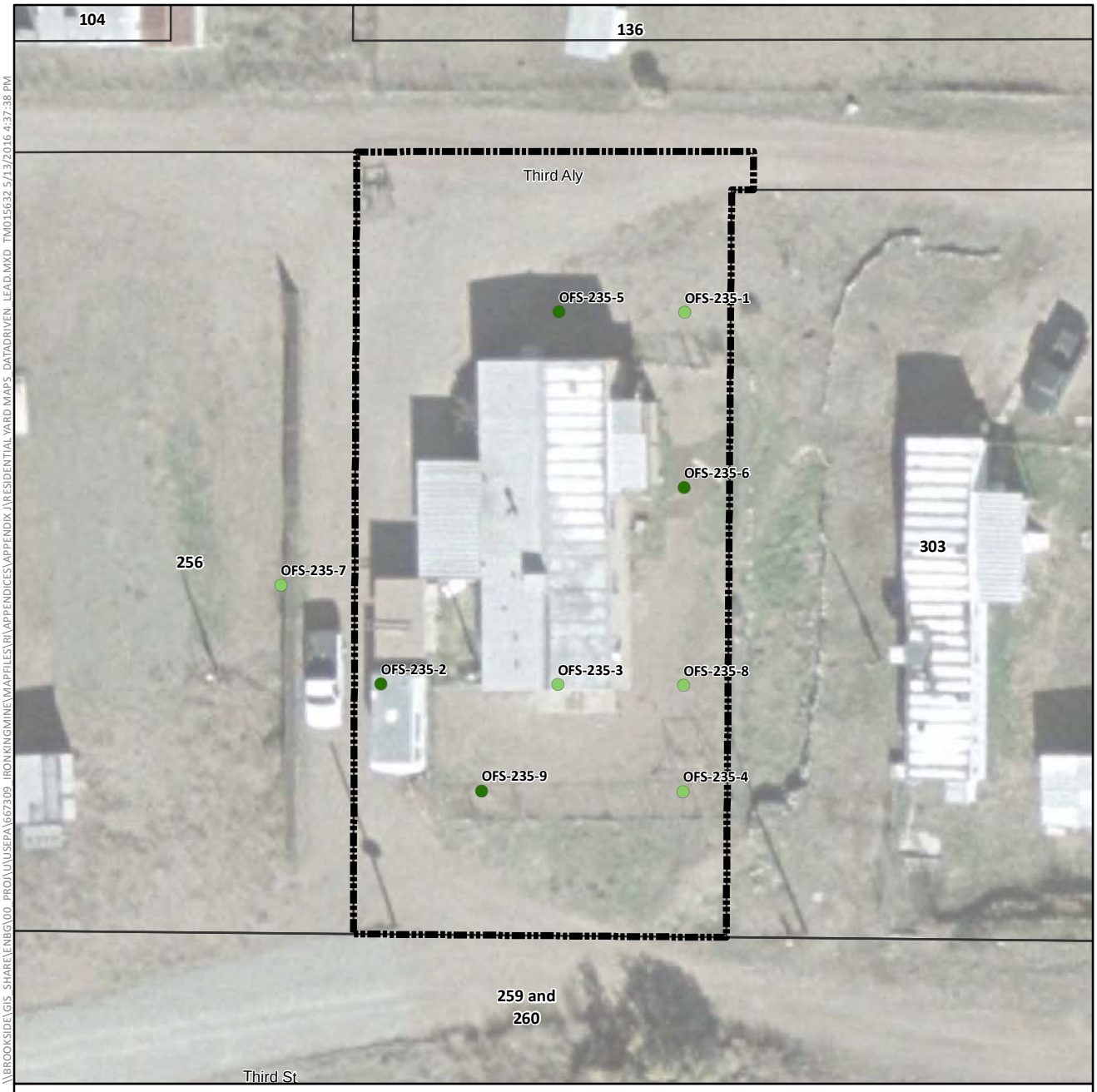


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 234 and 45J (Page 302 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



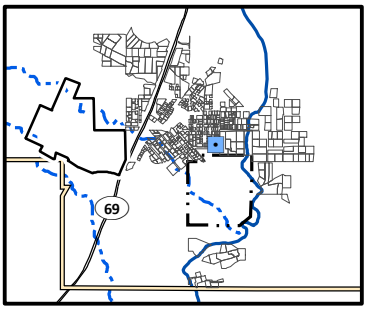
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

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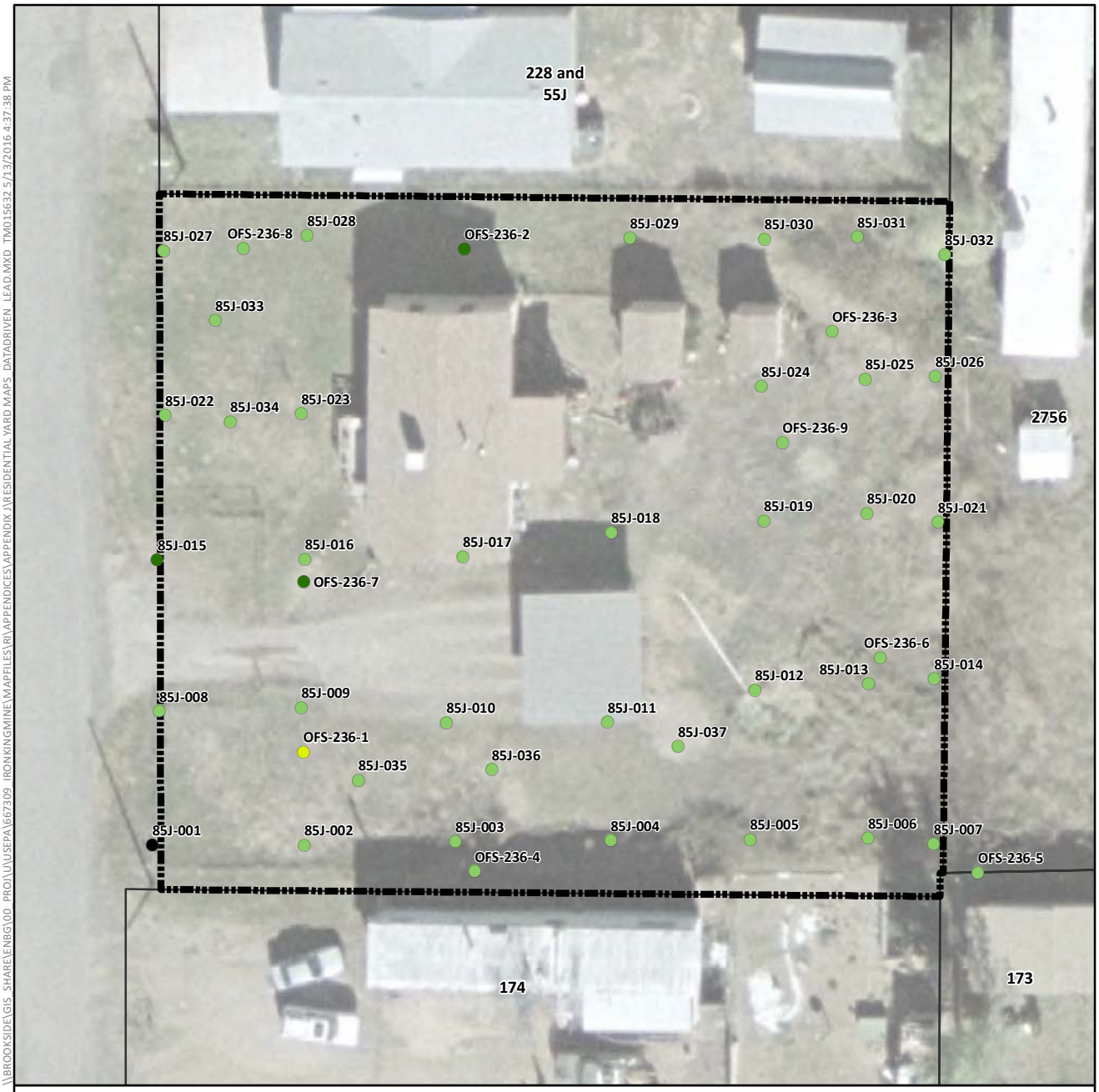


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 235 (Page 303 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



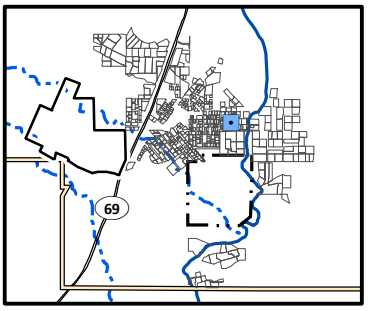
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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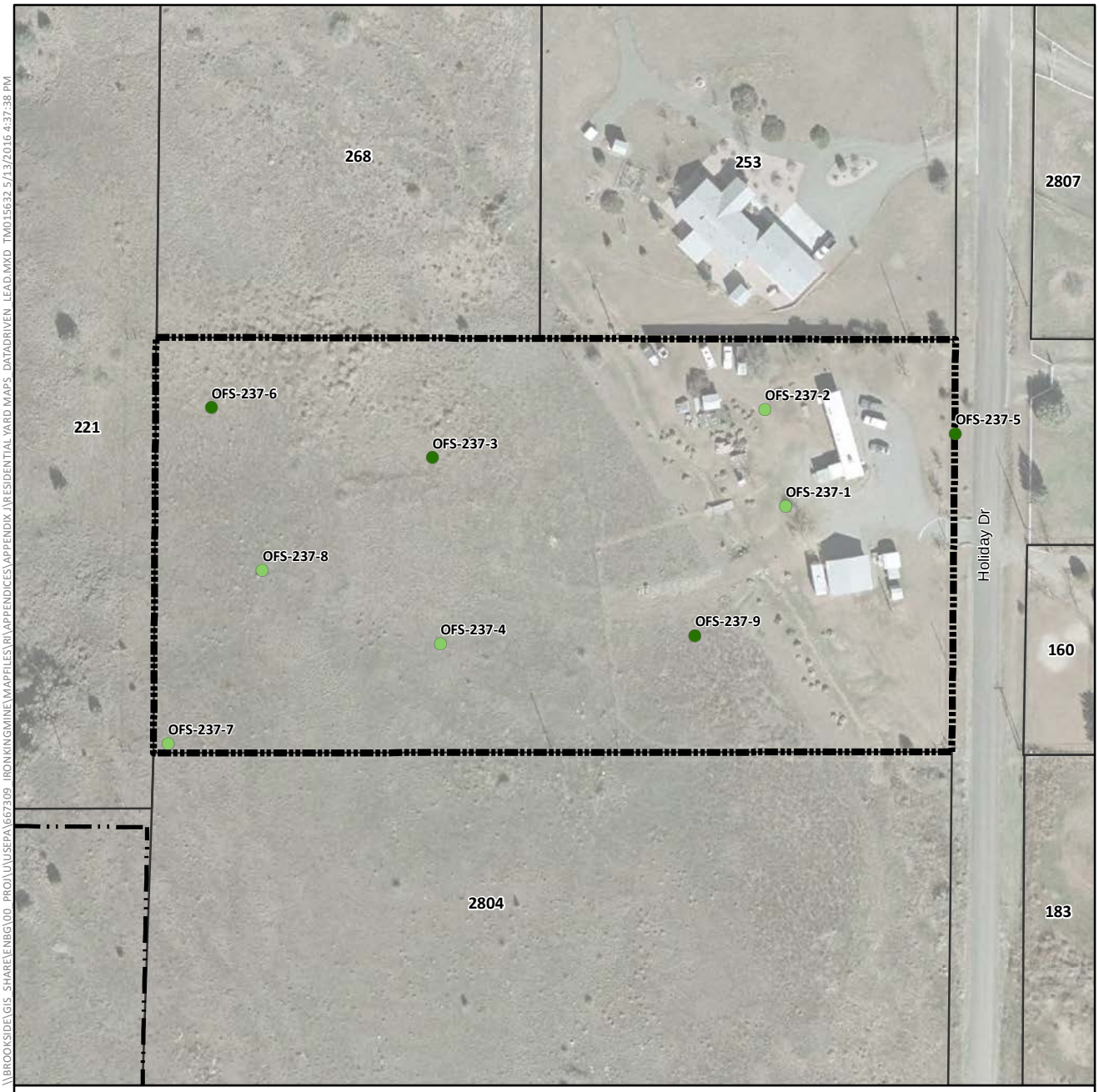


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 236 and 85J (Page 304 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



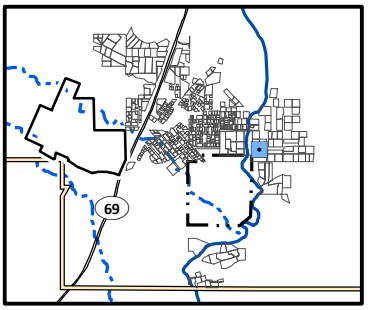
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 237 (Page 305 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



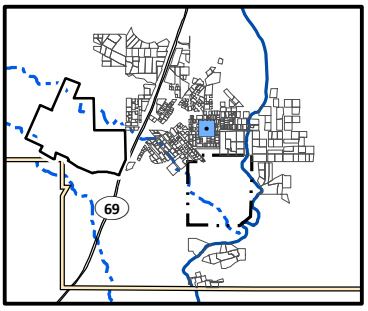
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 238 (Page 306 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



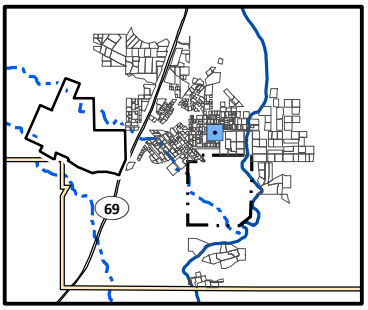
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

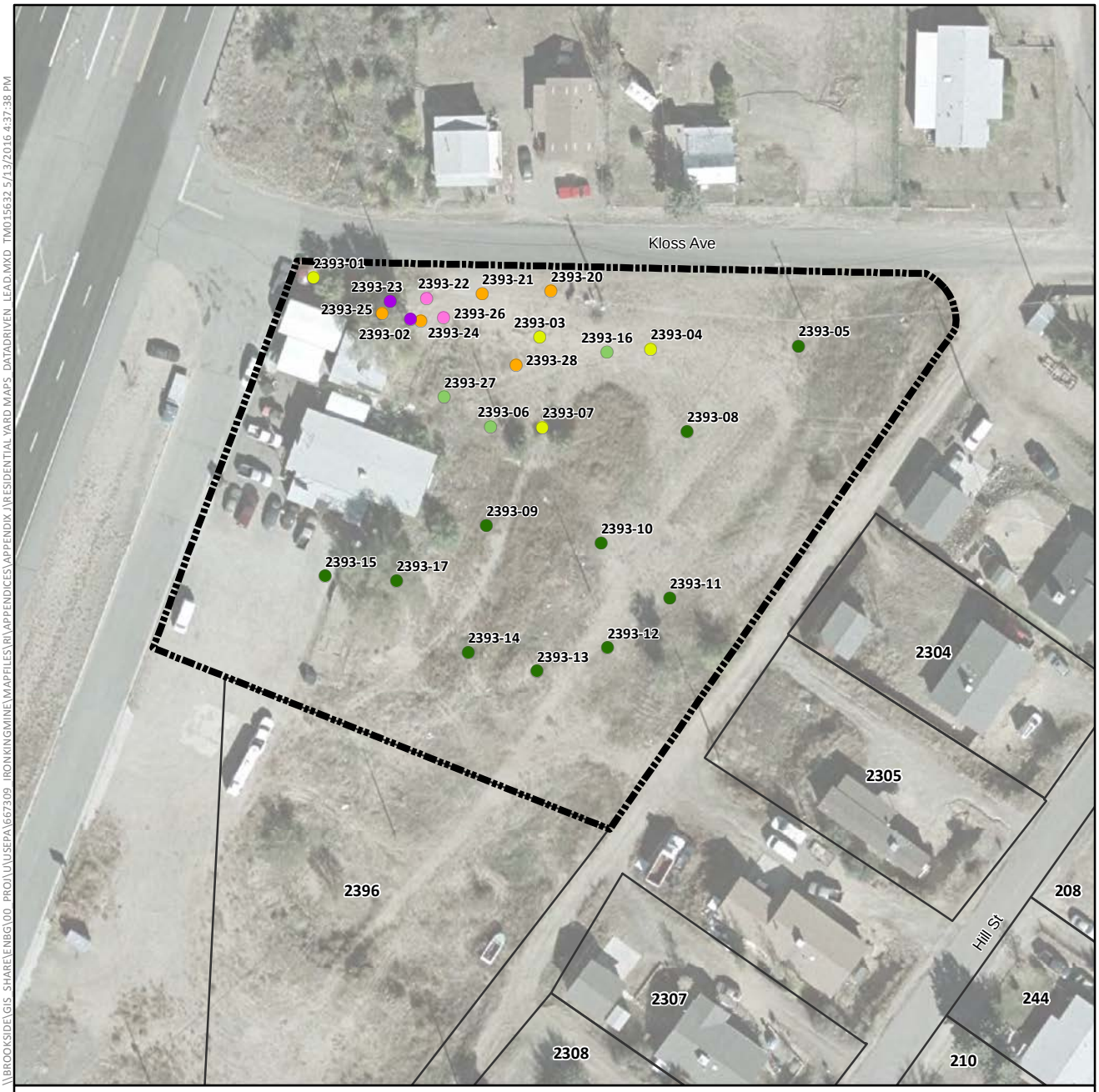


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 239 (Page 307 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

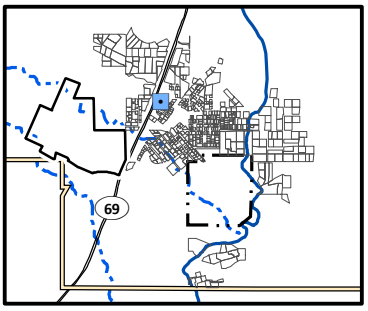


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

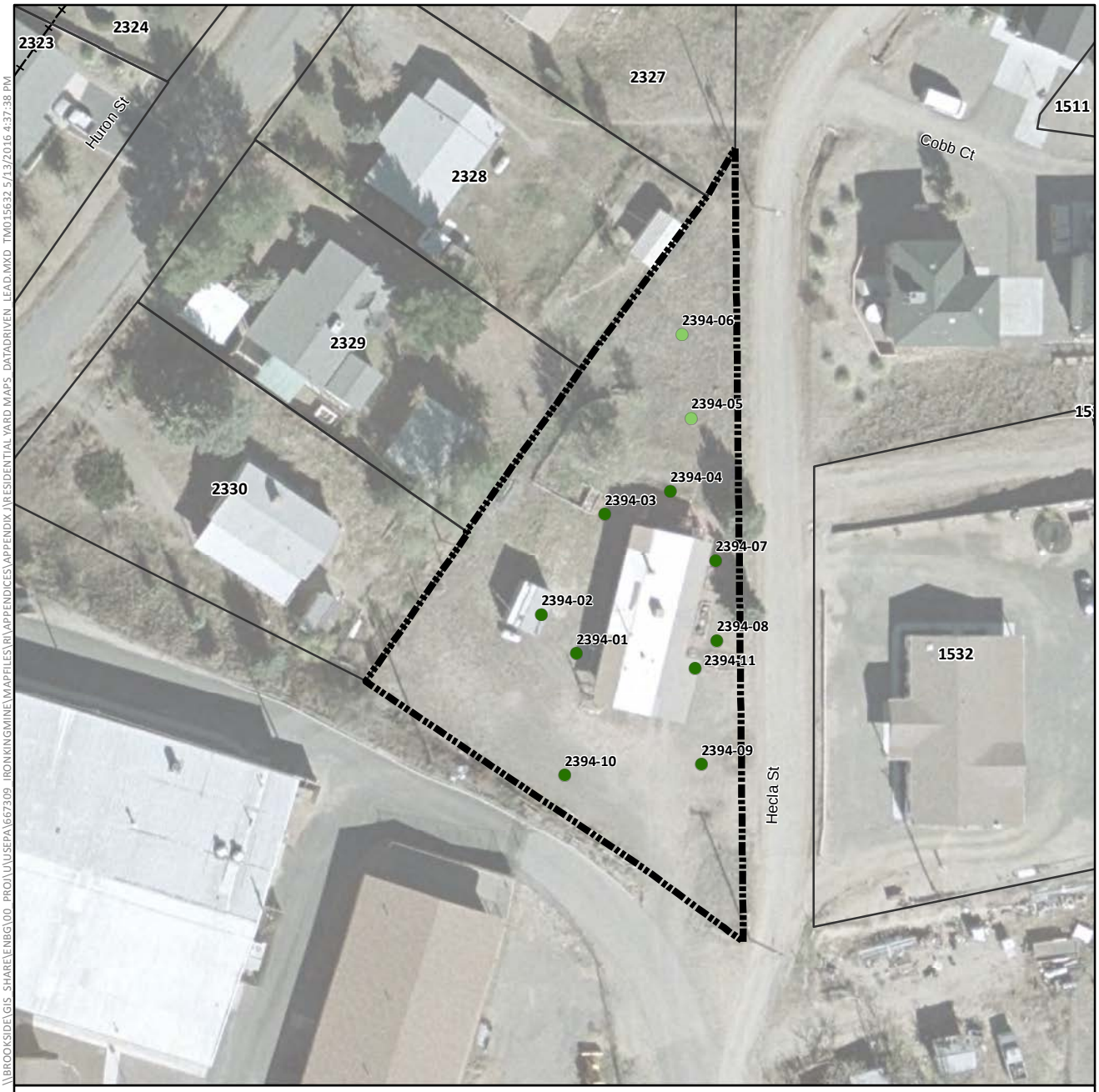


0 130
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2393 (Page 308 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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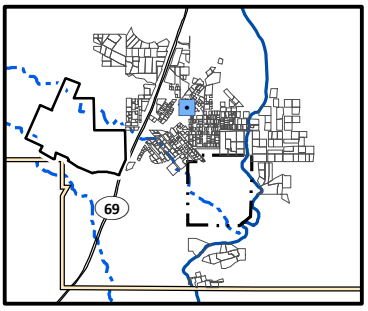
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2394 (Page 309 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



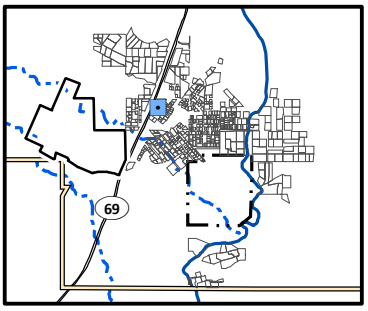
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2396 (Page 310 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



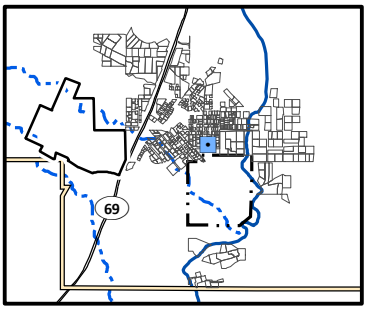
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 240 (Page 311 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



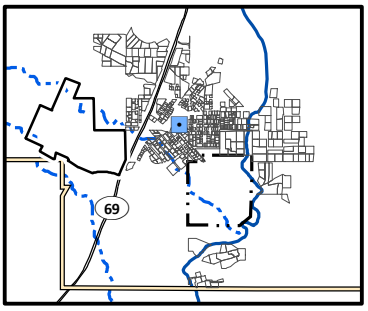
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2401 (Page 312 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



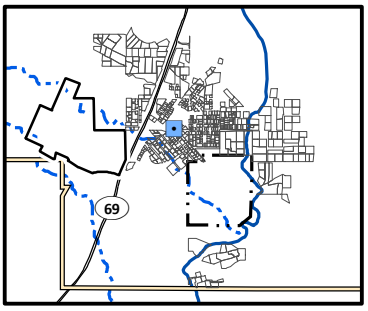
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2402 (Page 313 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



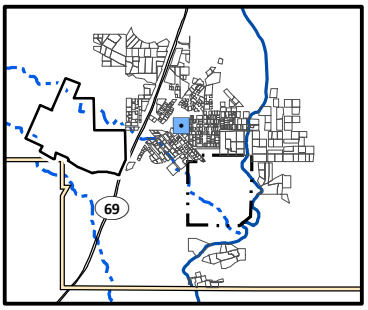
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2403 (Page 314 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



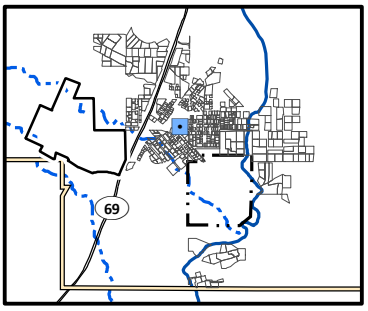
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

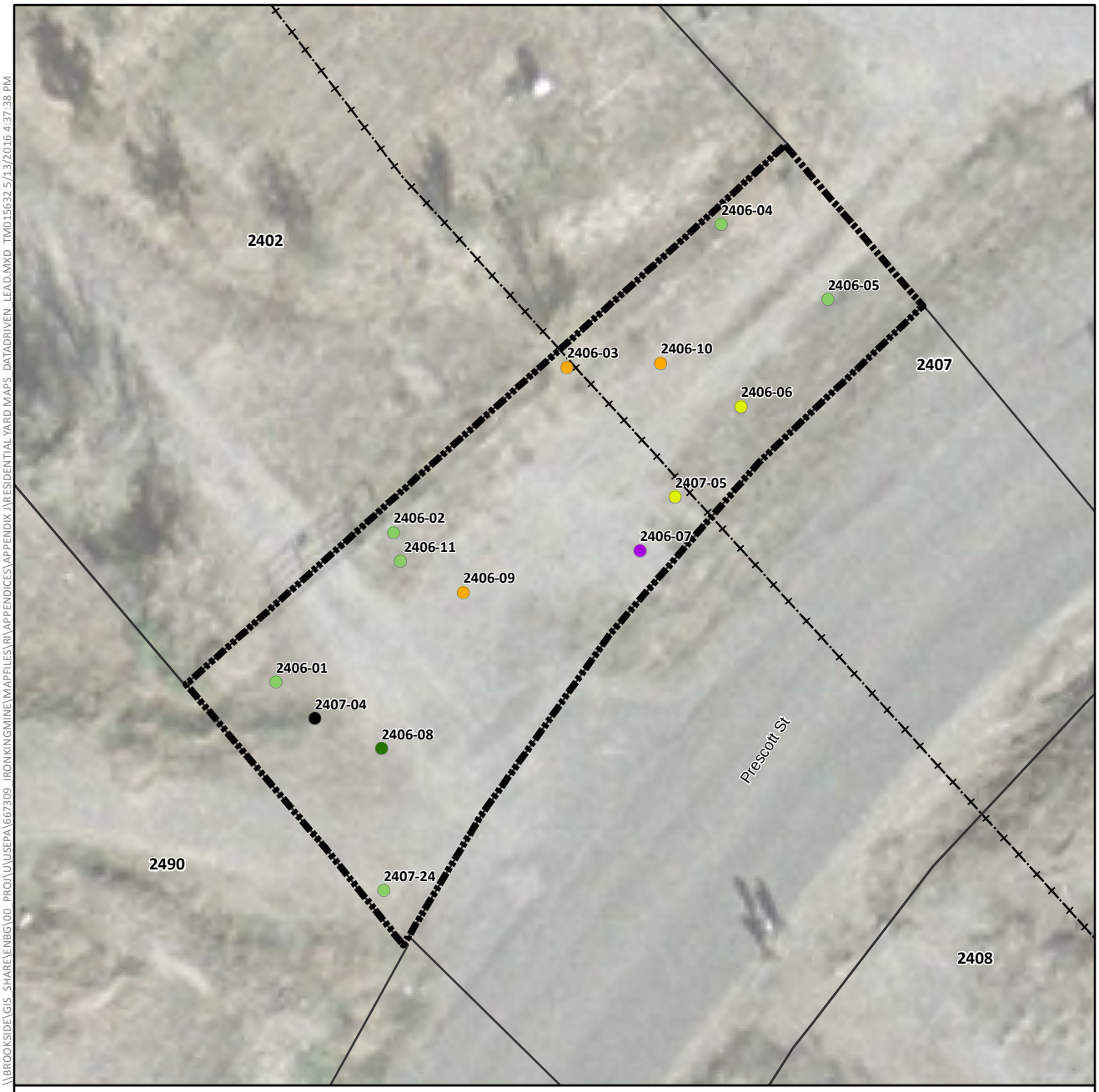


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2404 (Page 315 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



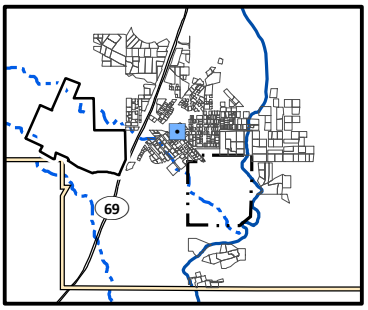
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2406 (Page 316 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



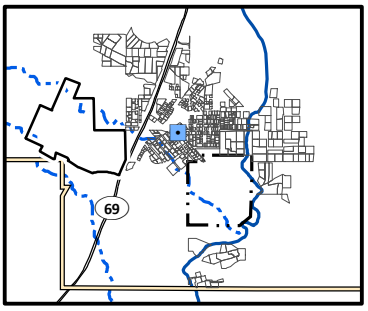
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

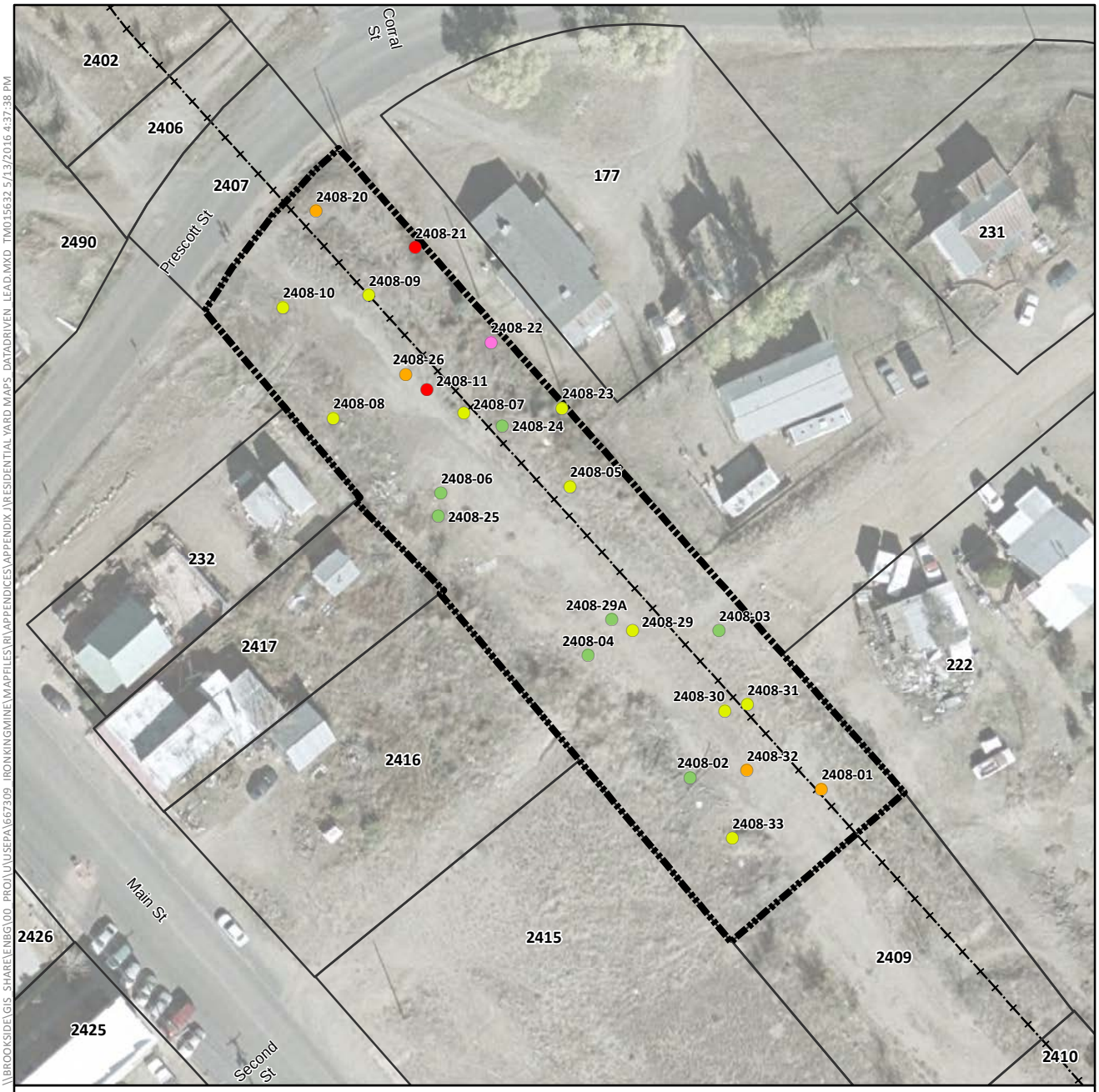


0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2407 (Page 317 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



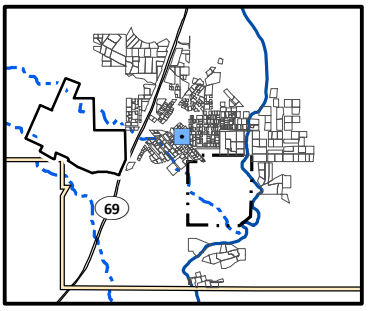
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

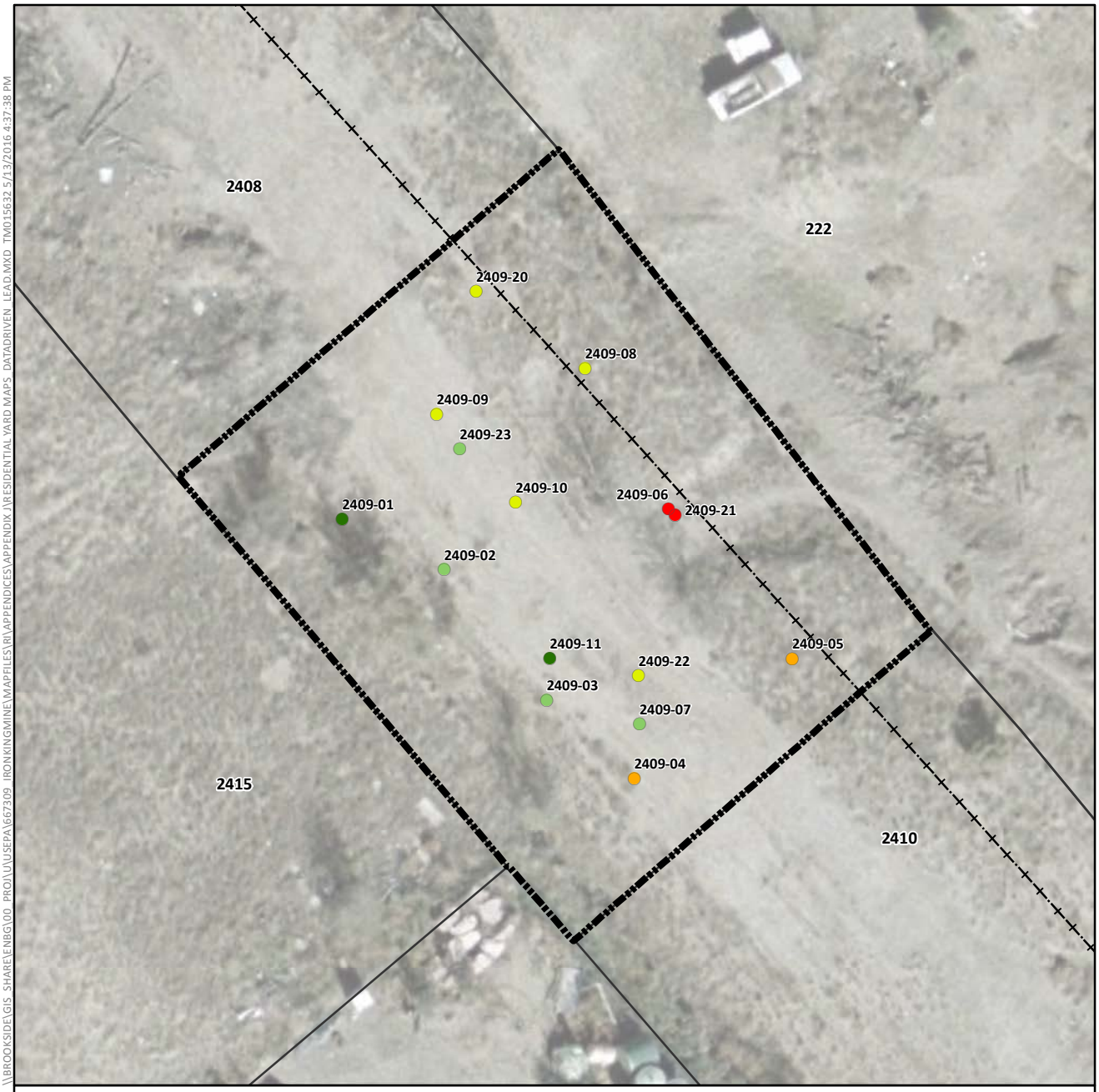
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2408 (Page 318 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



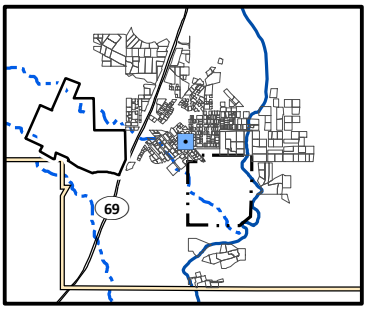
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2409 (Page 319 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



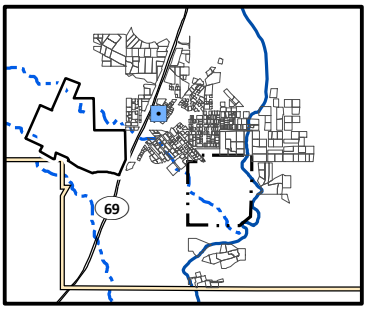
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

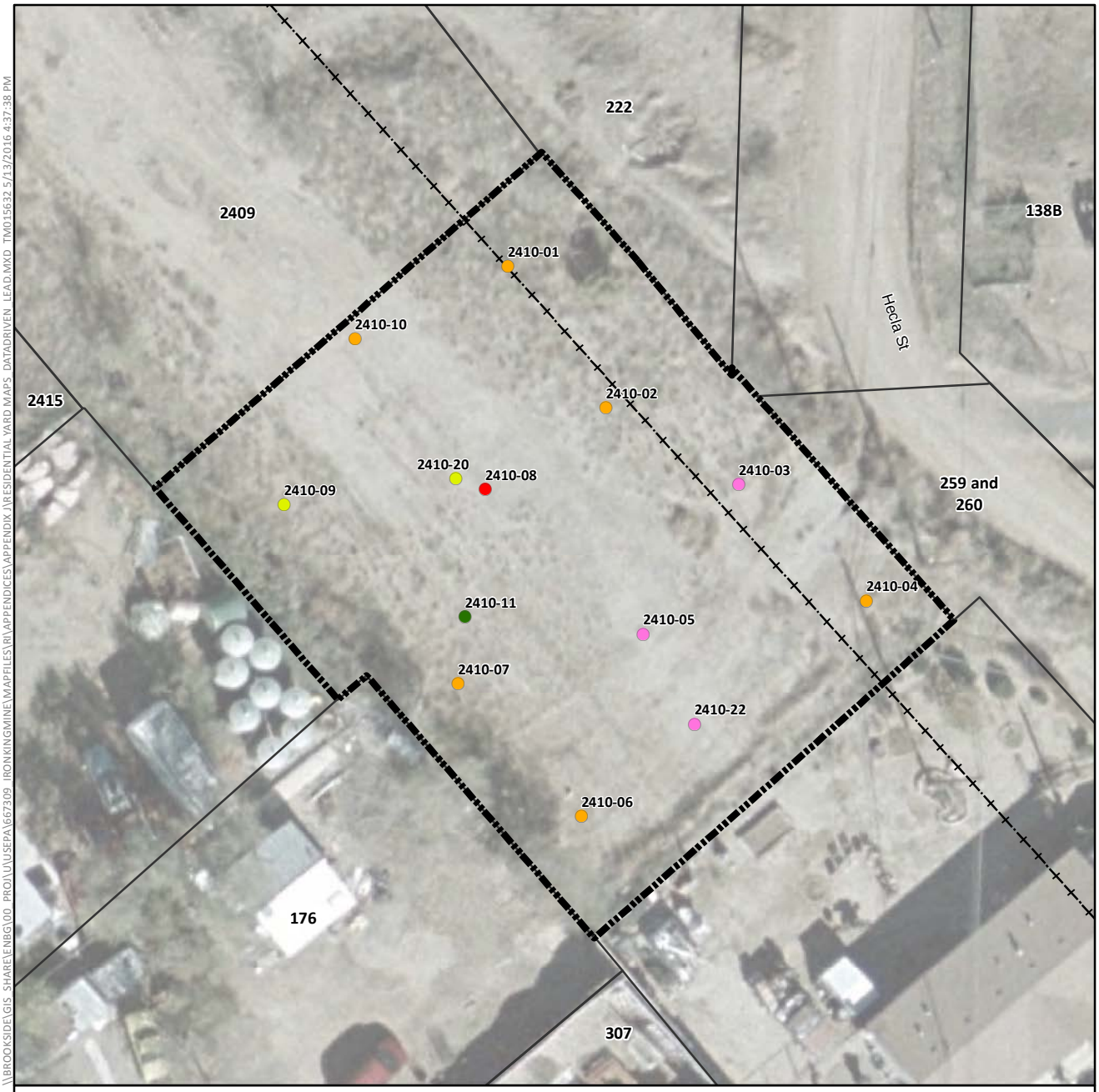
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 241 (Page 320 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



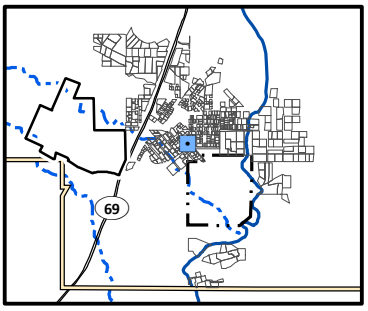
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

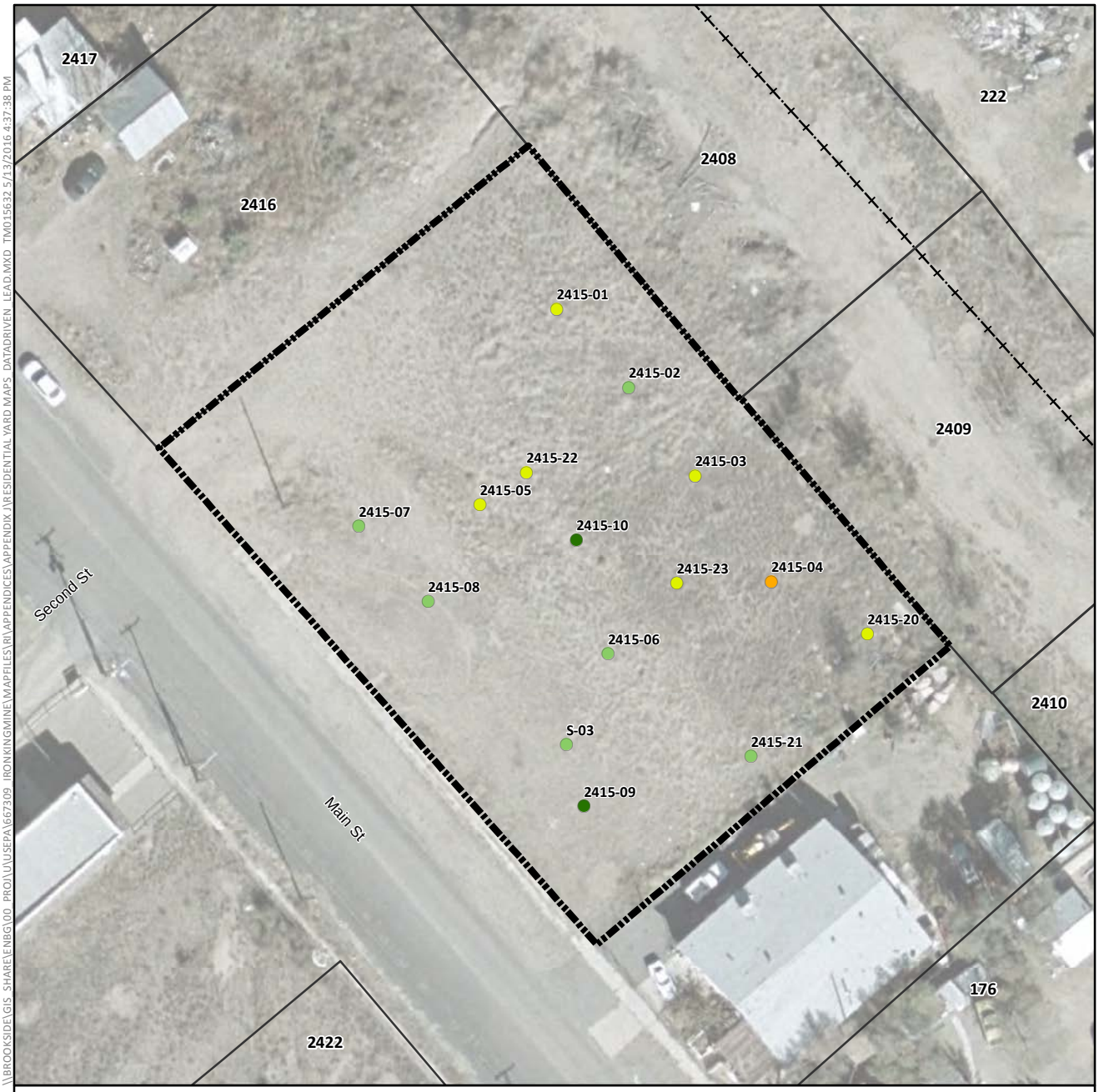
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2410 (Page 321 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



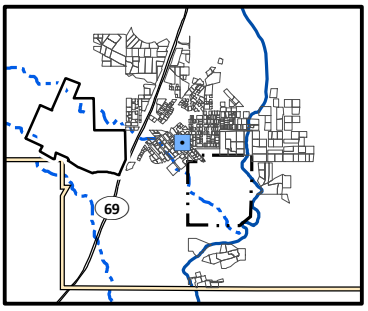
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

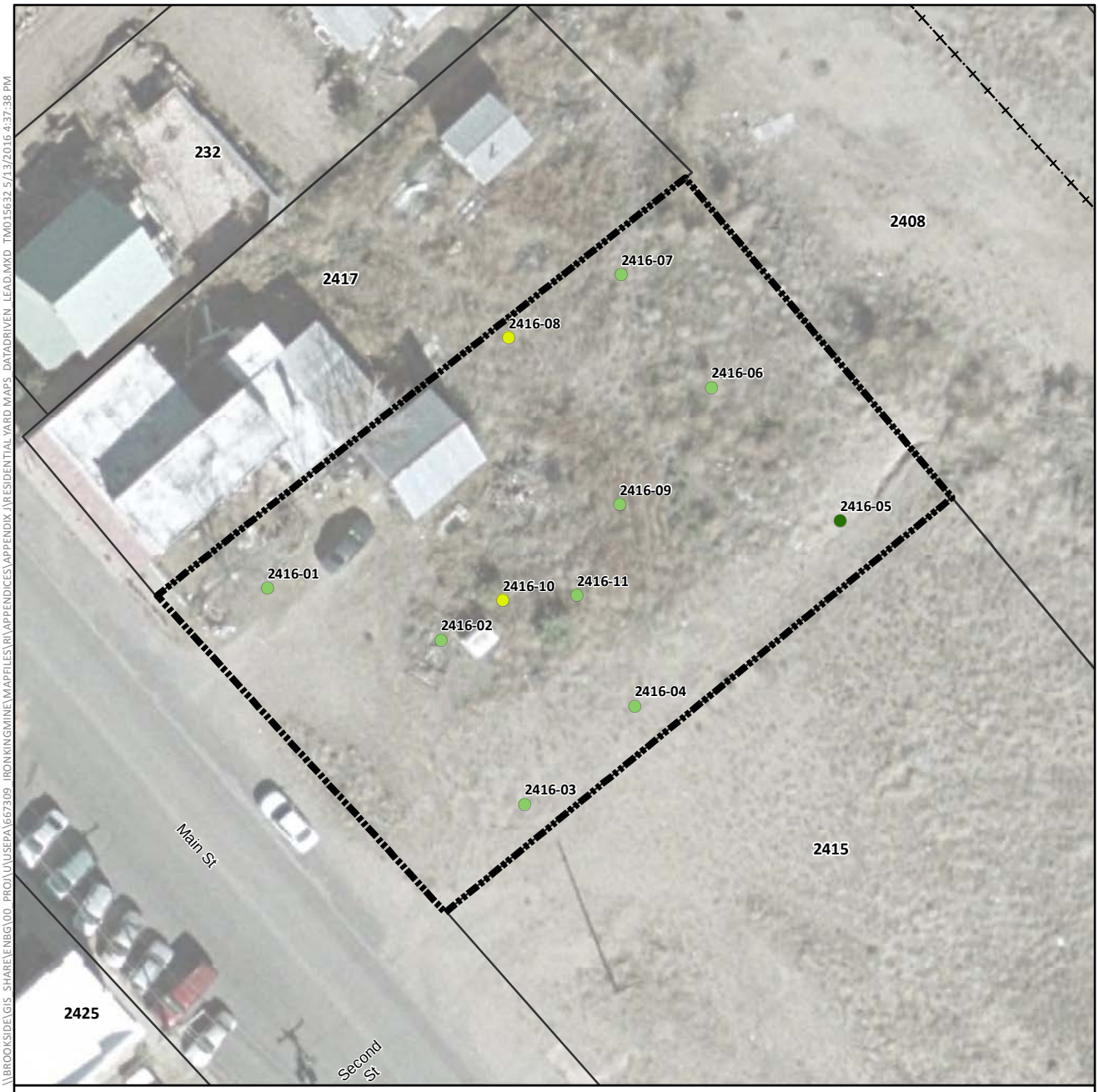
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2415 (Page 322 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



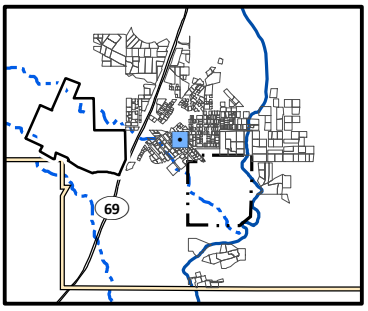
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

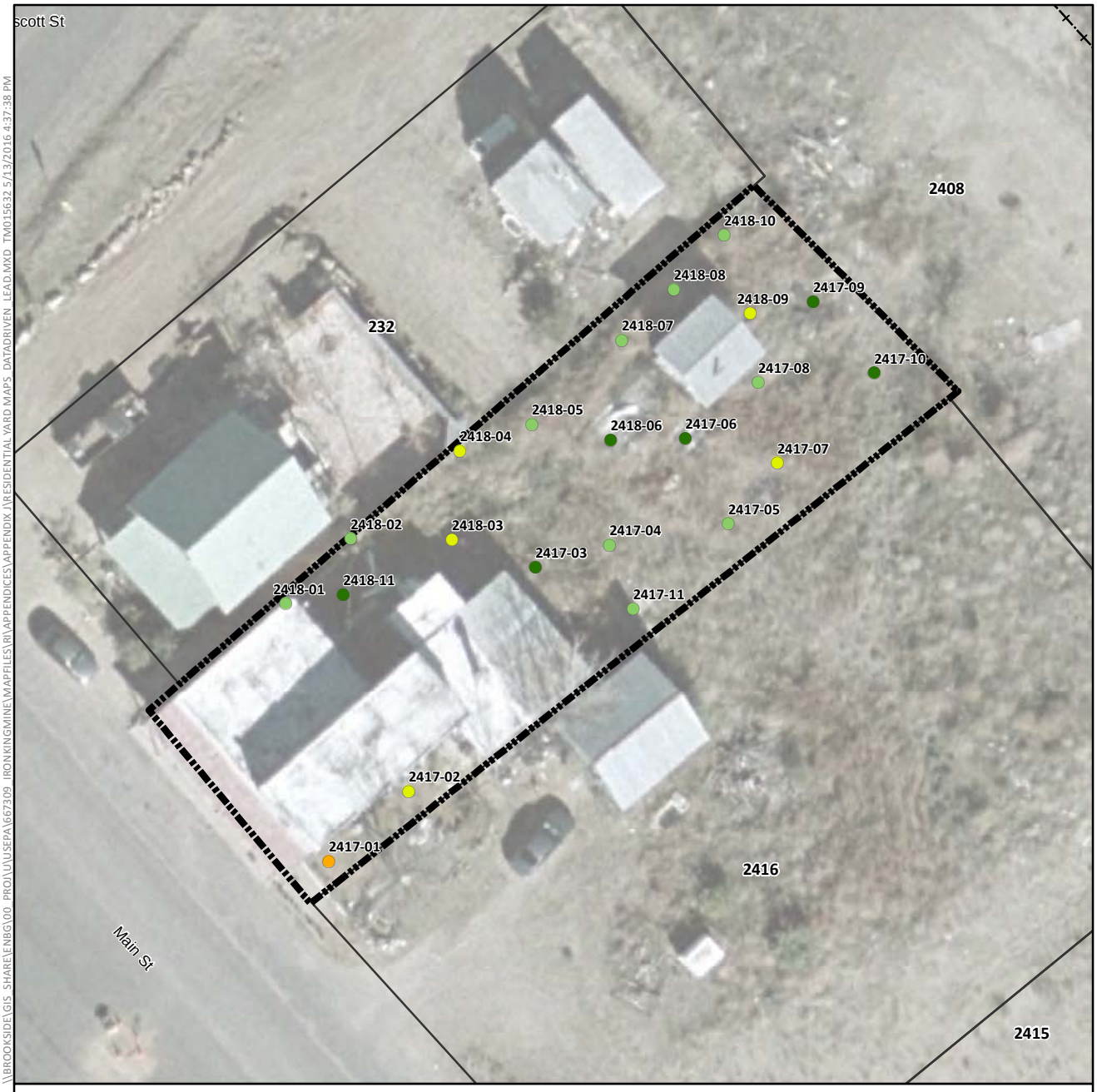


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2416 (Page 323 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



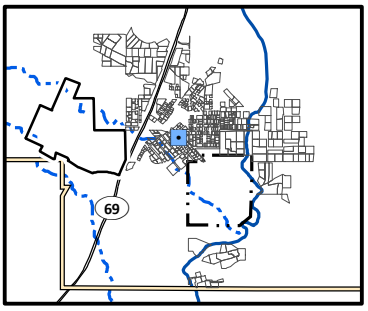
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

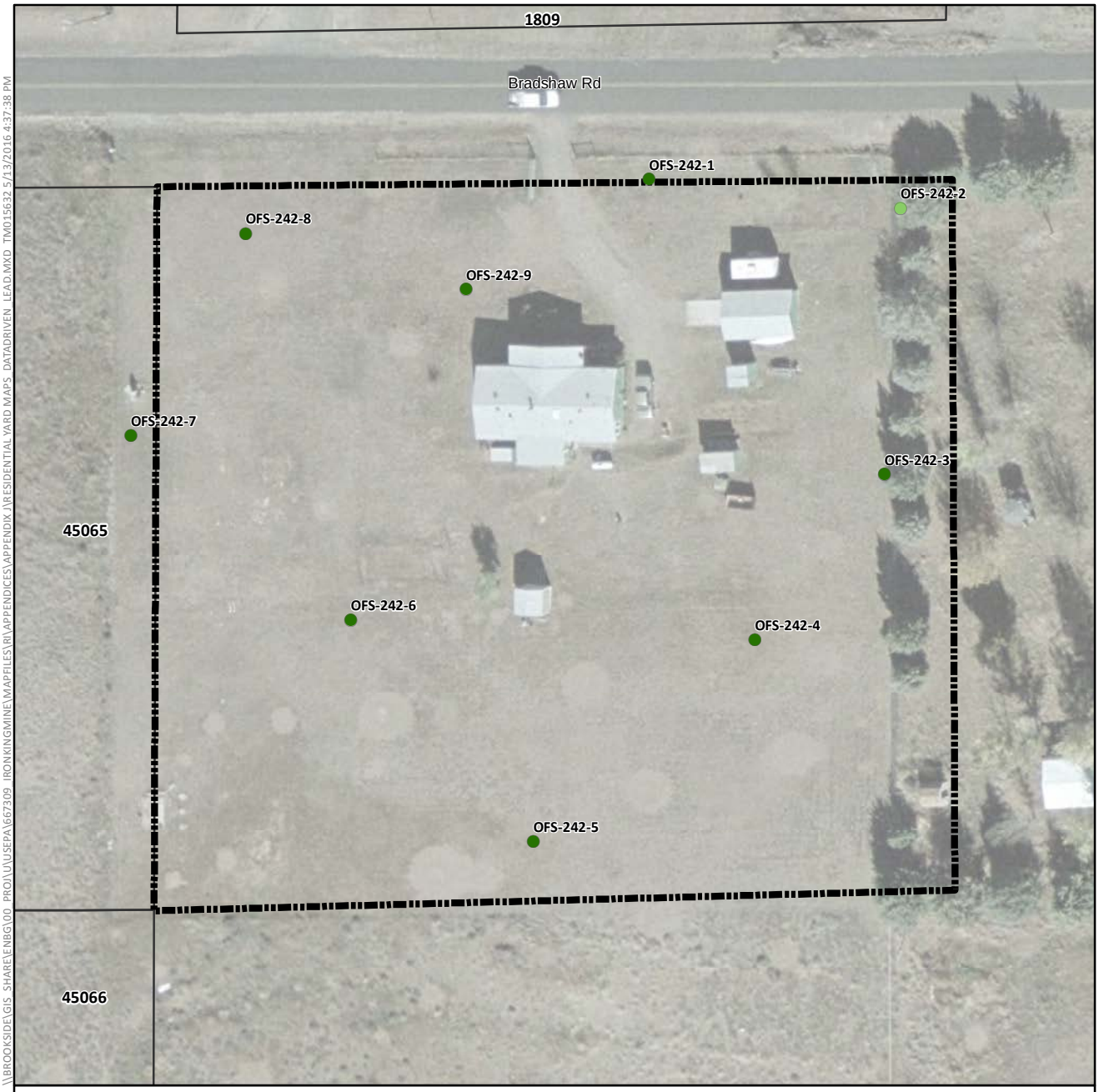
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2417 (Page 324 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



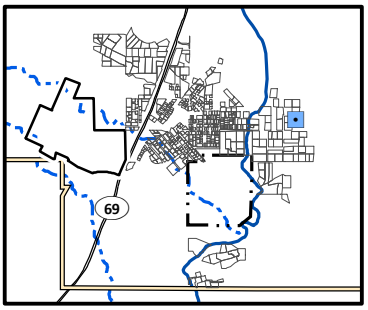
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 242 (Page 325 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



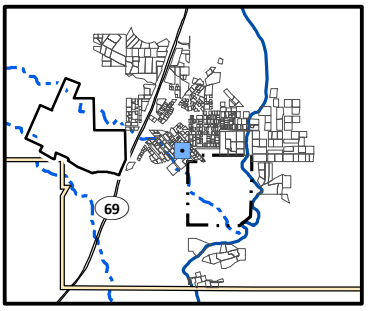
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2420 (Page 326 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



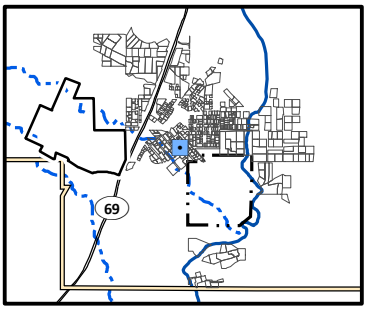
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2422 (Page 327 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



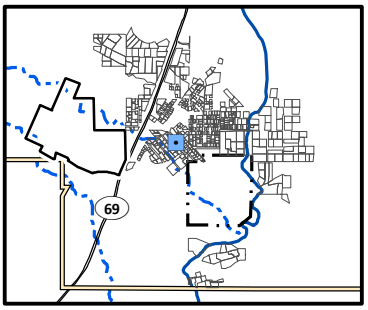
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2425 (Page 328 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



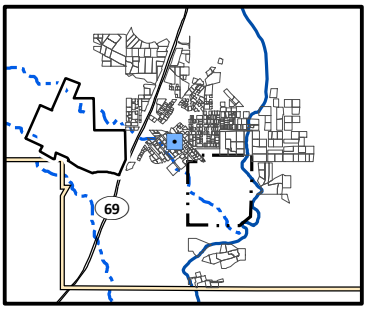
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2426 (Page 329 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



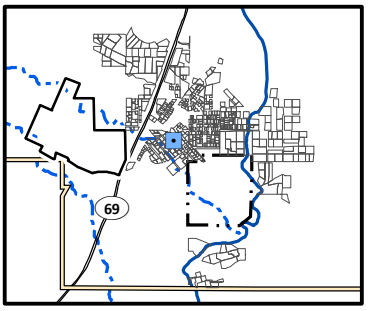
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2427 (Page 330 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



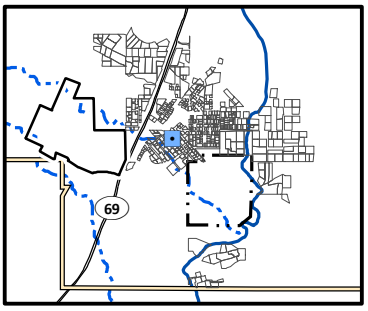
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2428 (Page 331 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



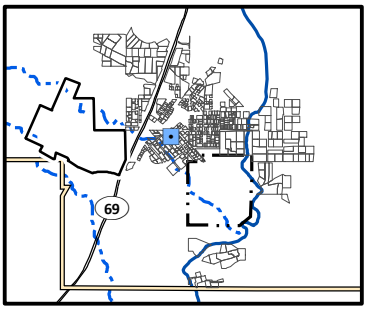
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2429 (Page 332 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



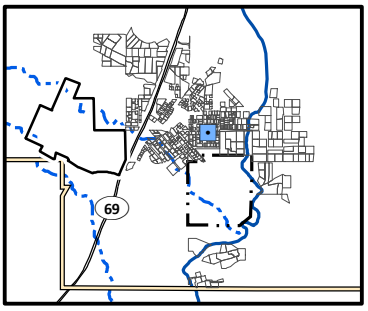
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

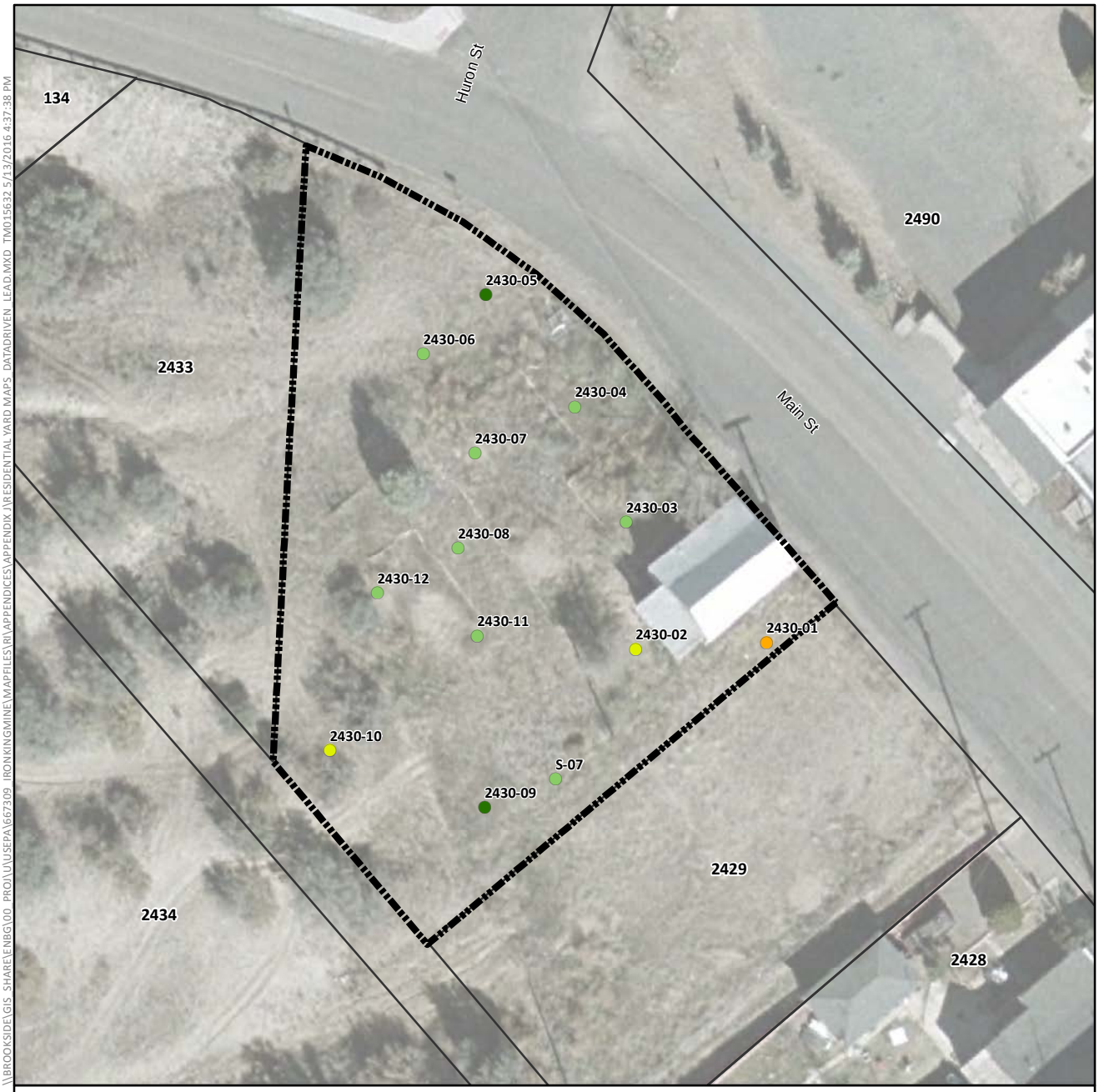


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 243 (Page 333 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



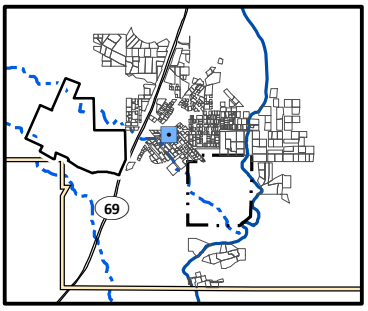
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

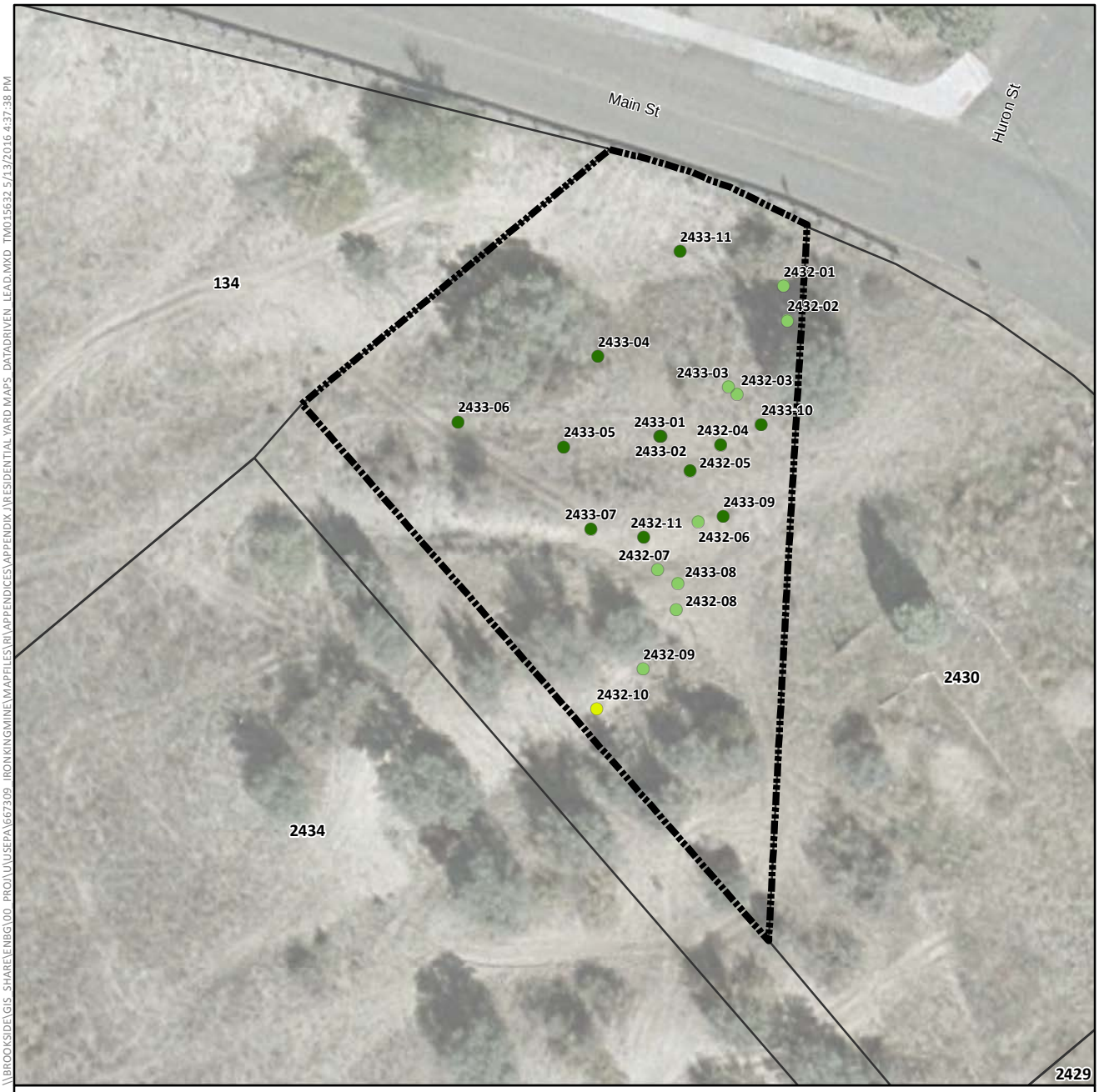
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2430 (Page 334 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



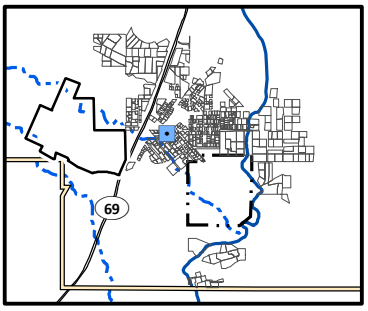
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

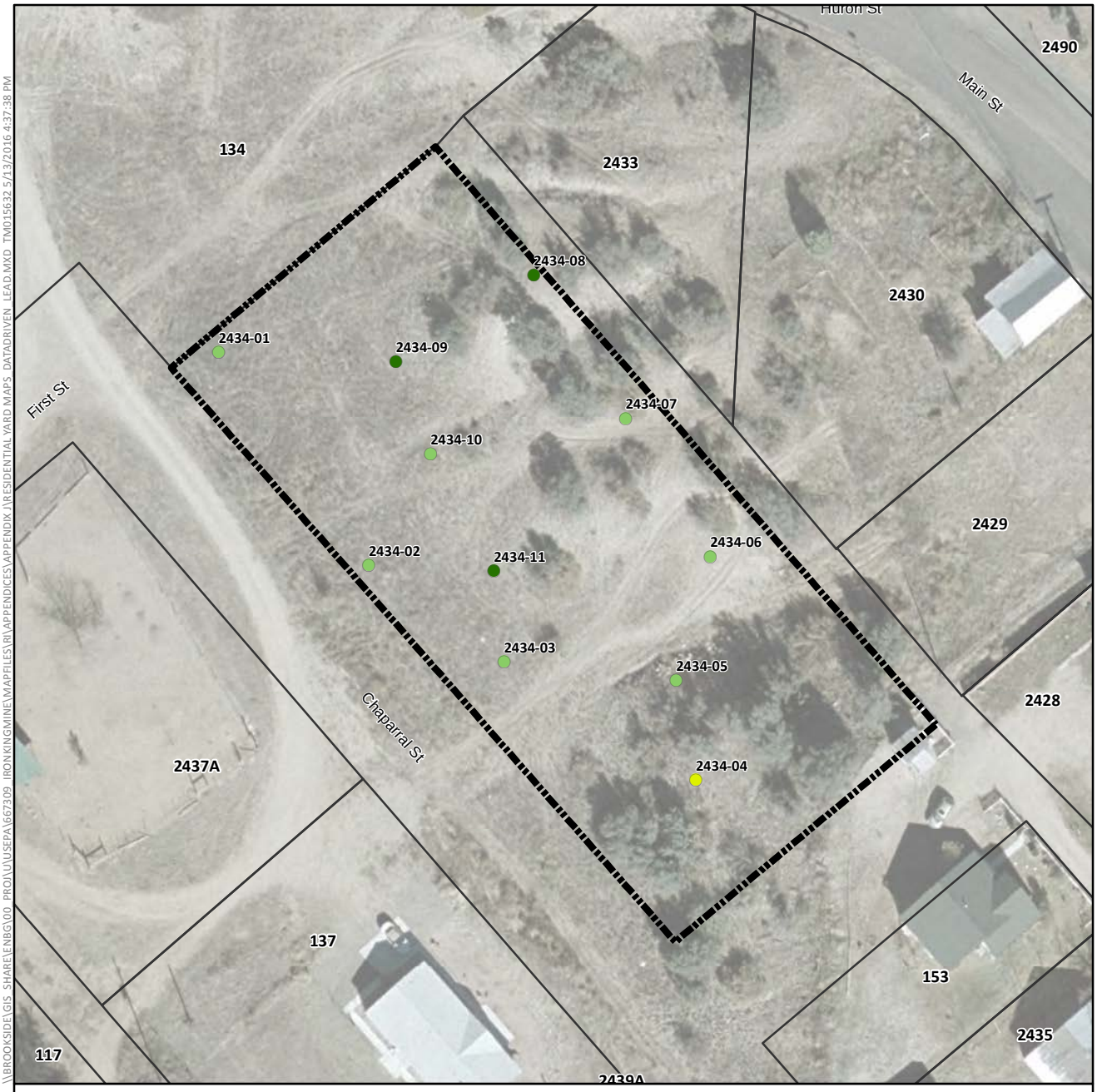
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2433 (Page 335 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



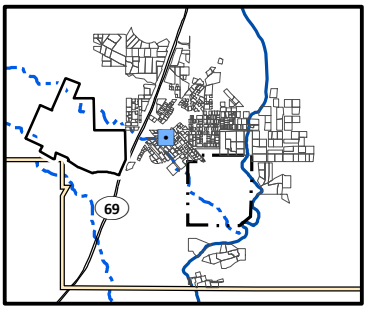
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2434 (Page 336 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



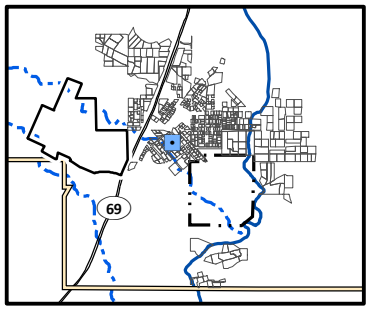
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

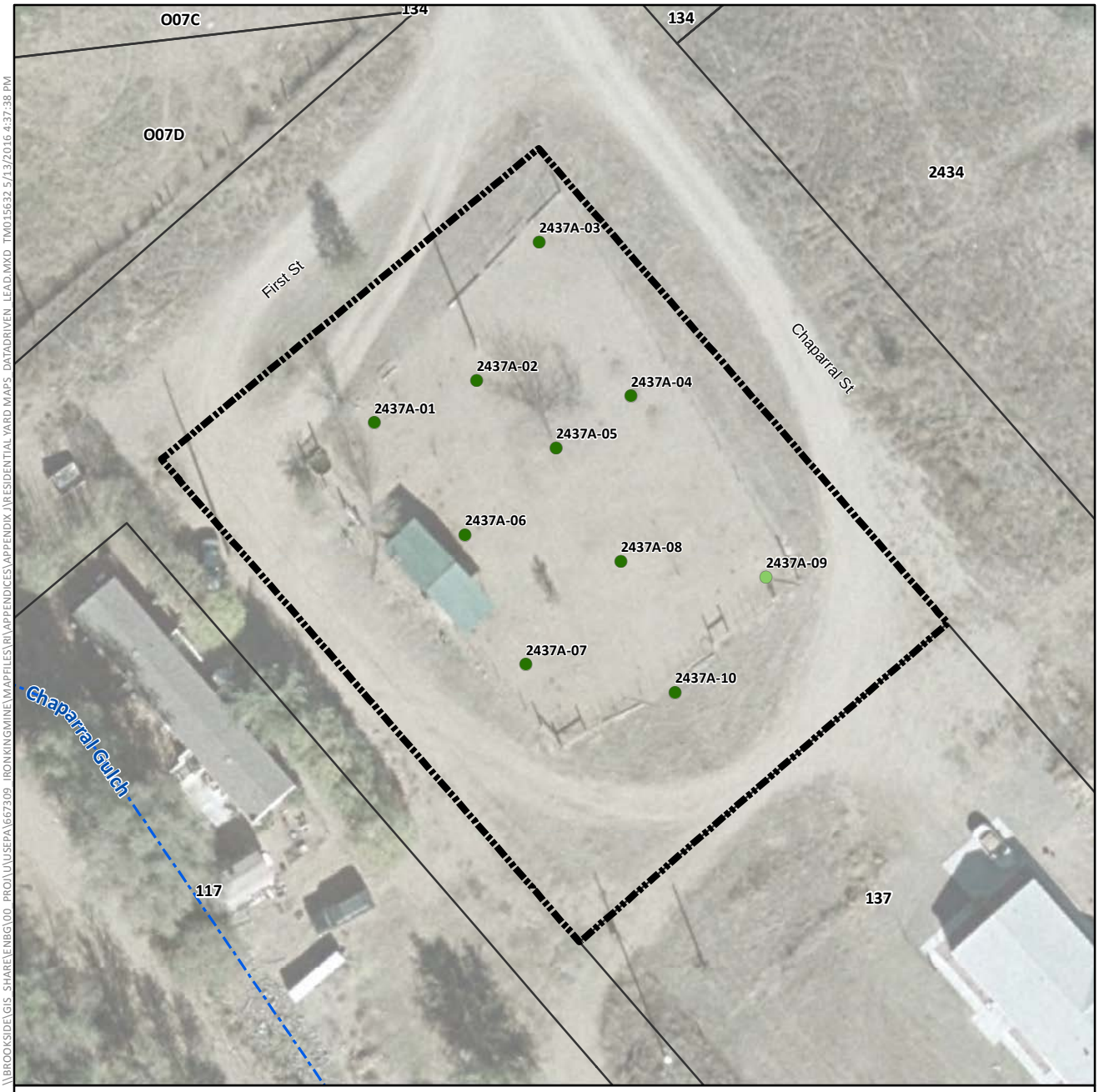


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2435 (Page 337 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



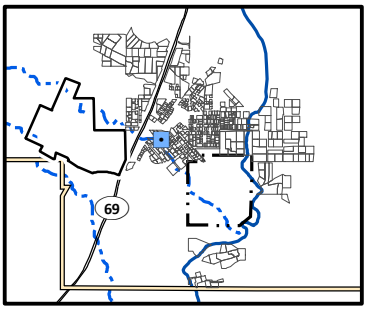
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

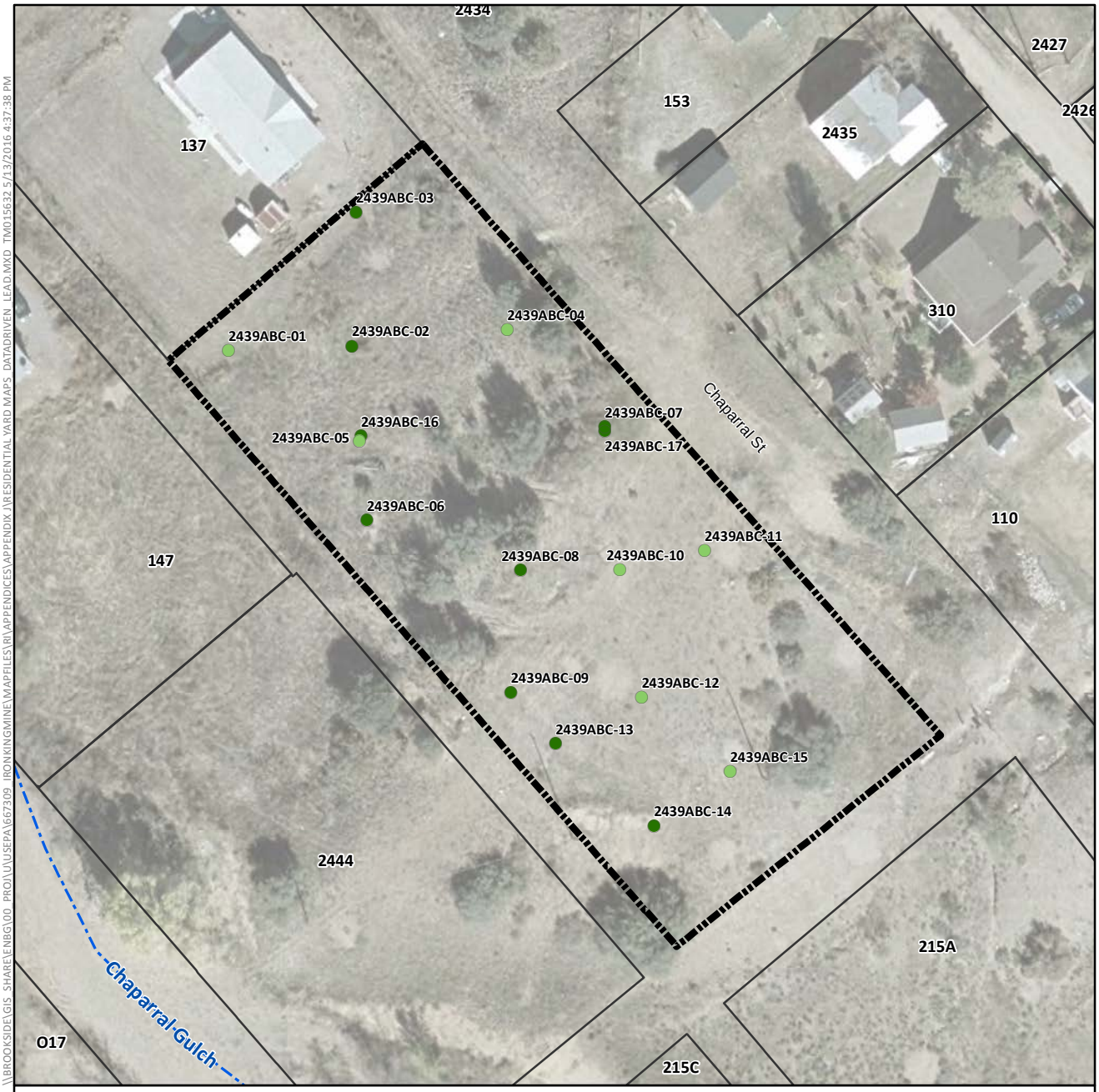
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2437A (Page 338 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



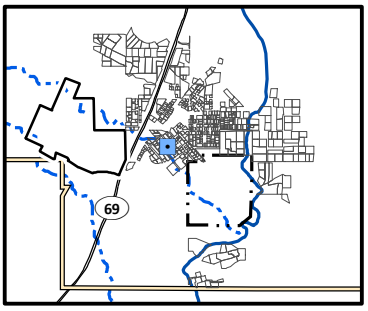
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

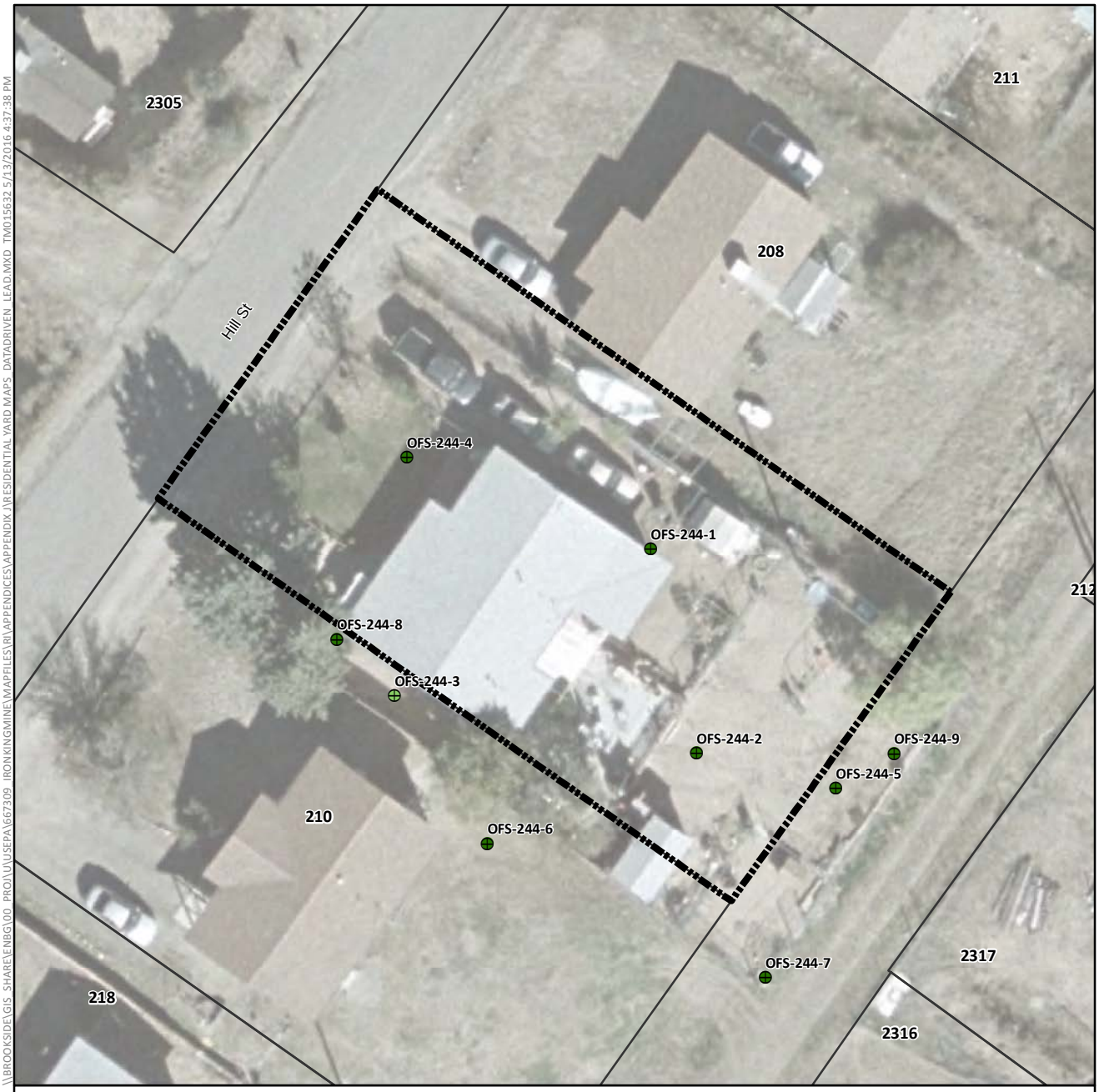


0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2439A (Page 339 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



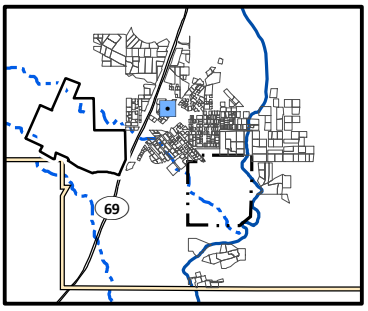
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

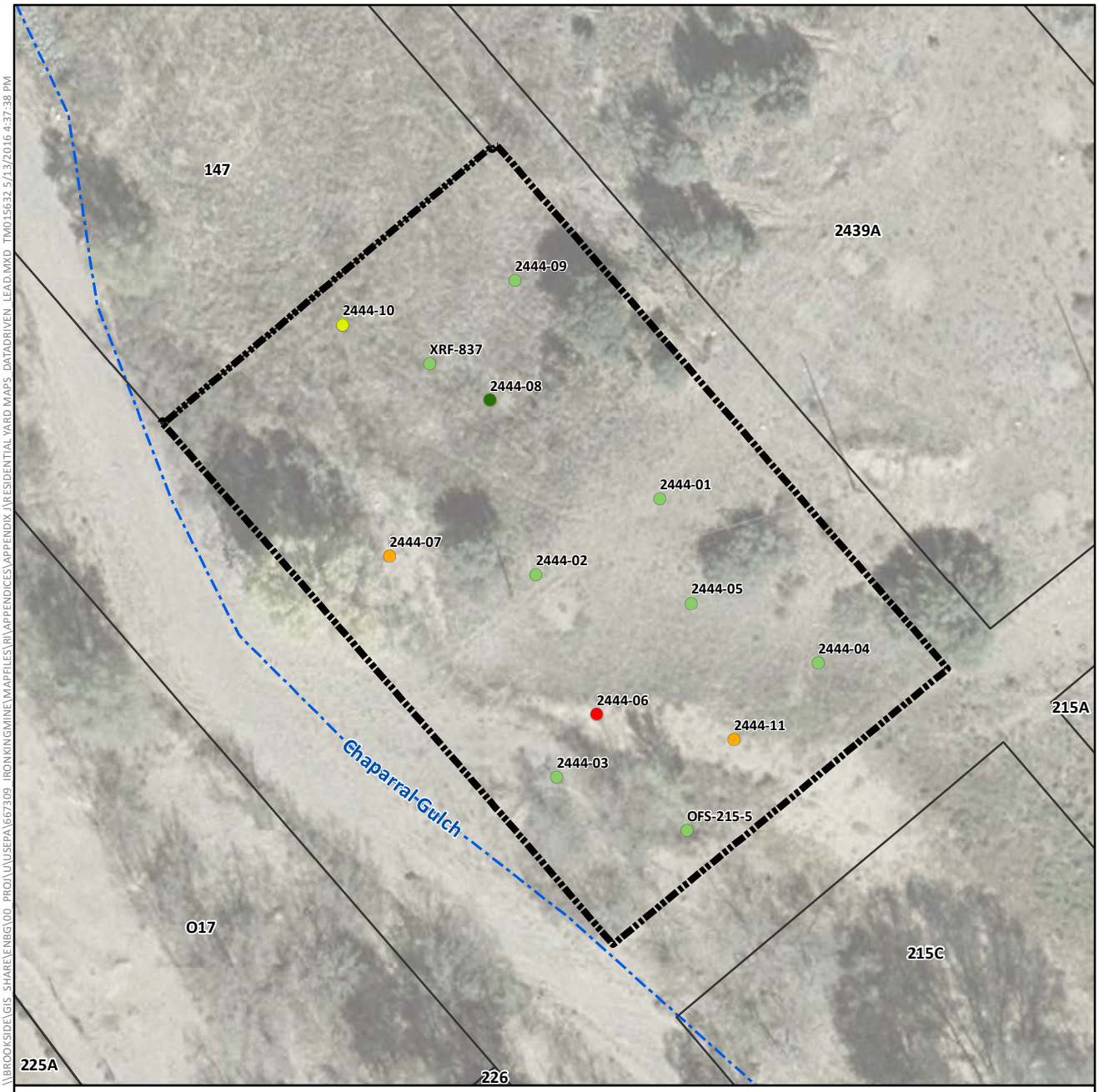


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 244 (Page 340 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



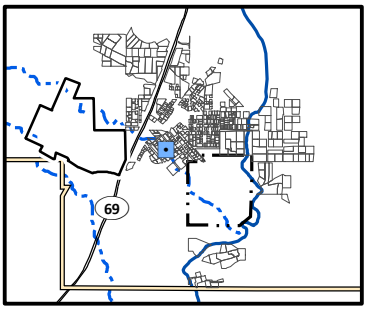
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2444 (Page 341 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



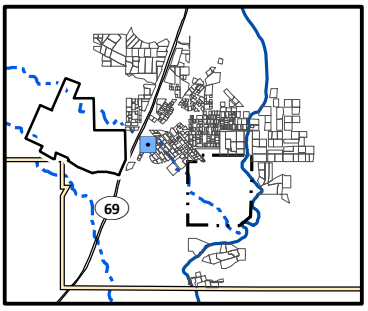
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

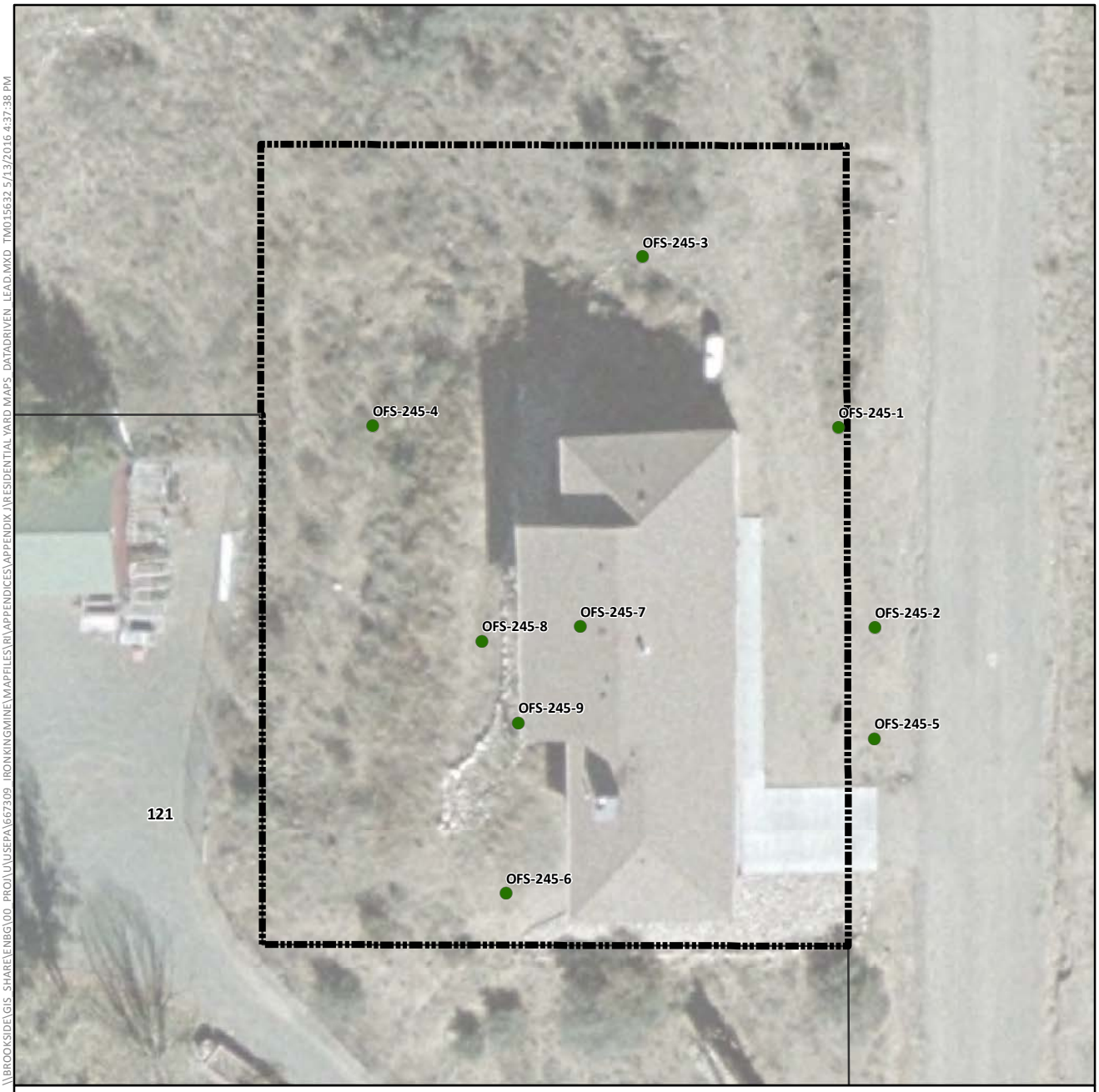


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2449 (Page 342 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



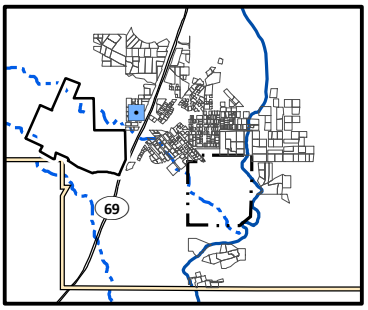
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

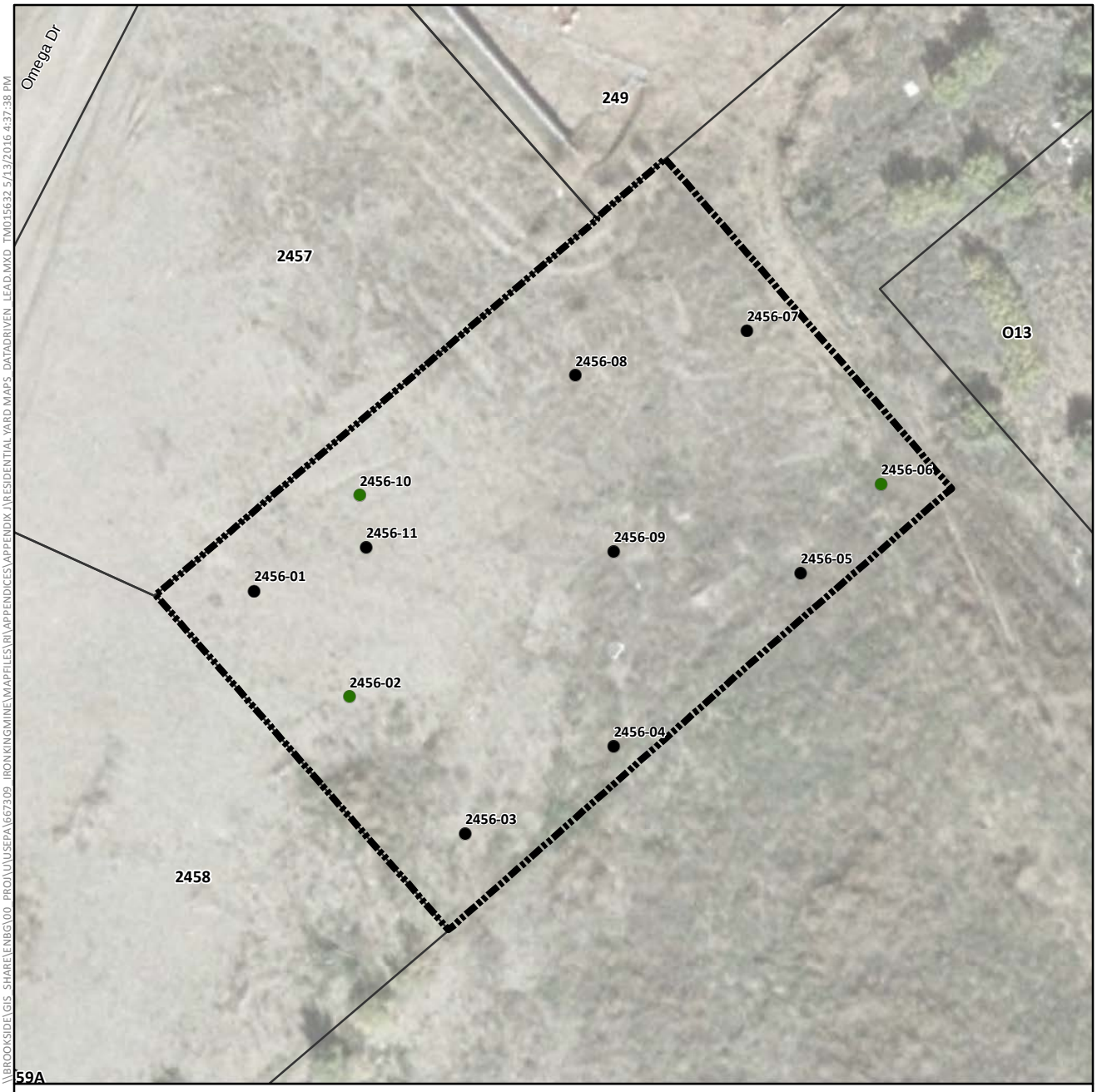


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 245 (Page 343 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



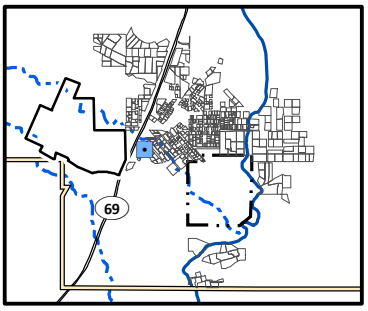
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



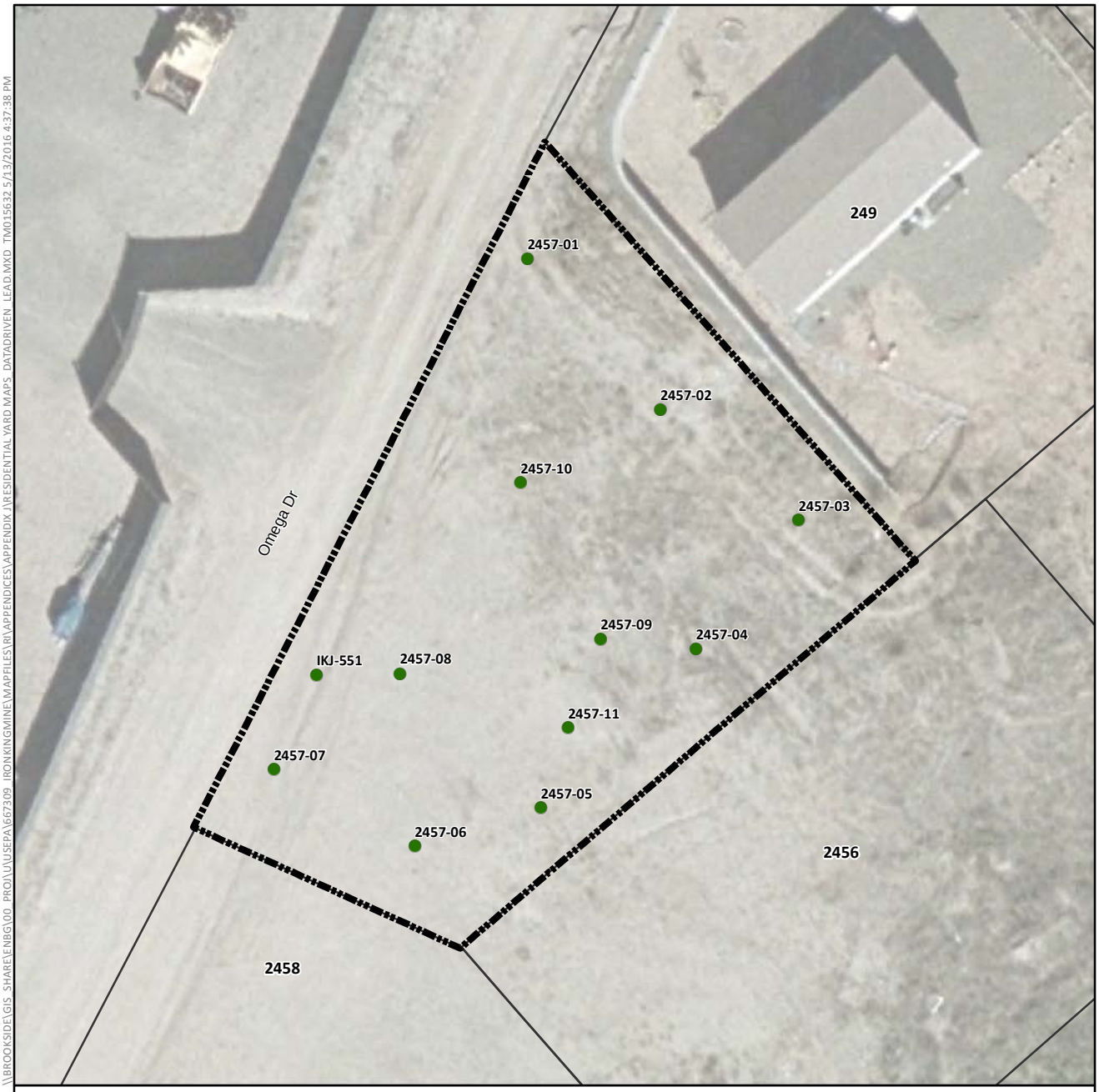
0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2456 (Page 344 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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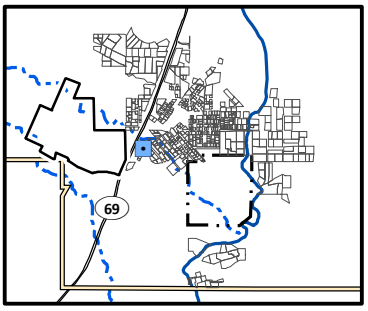


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

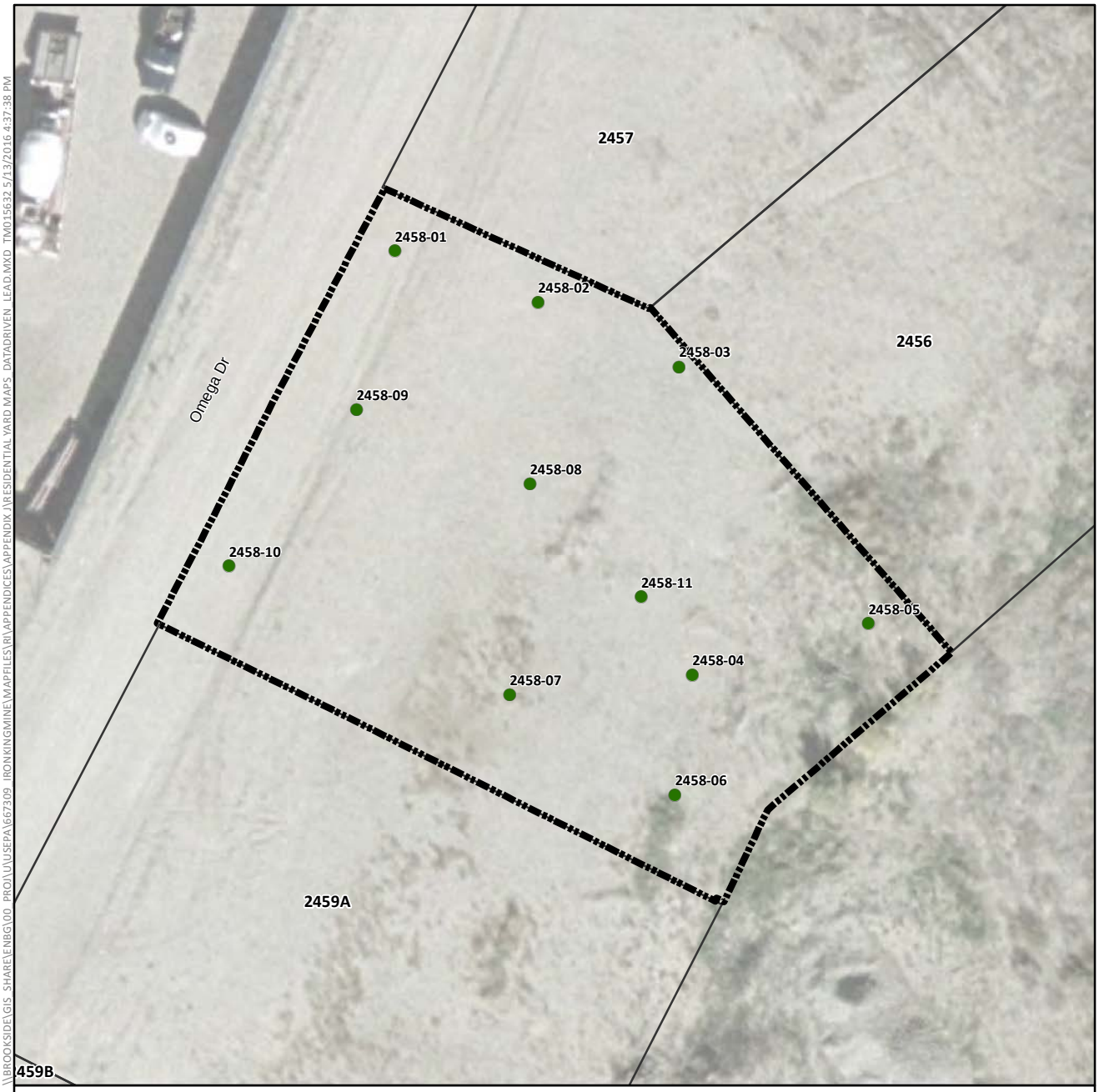
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2457 (Page 345 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



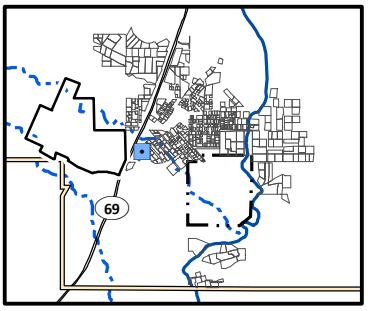
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2458 (Page 346 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



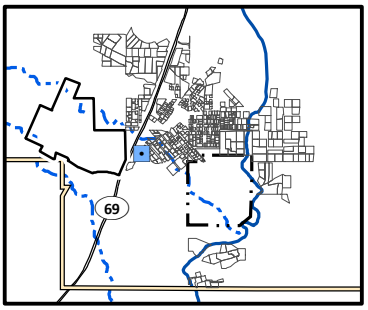
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2459A (Page 347 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



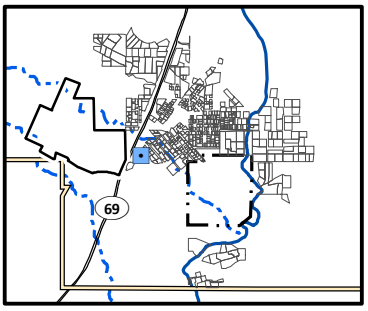
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

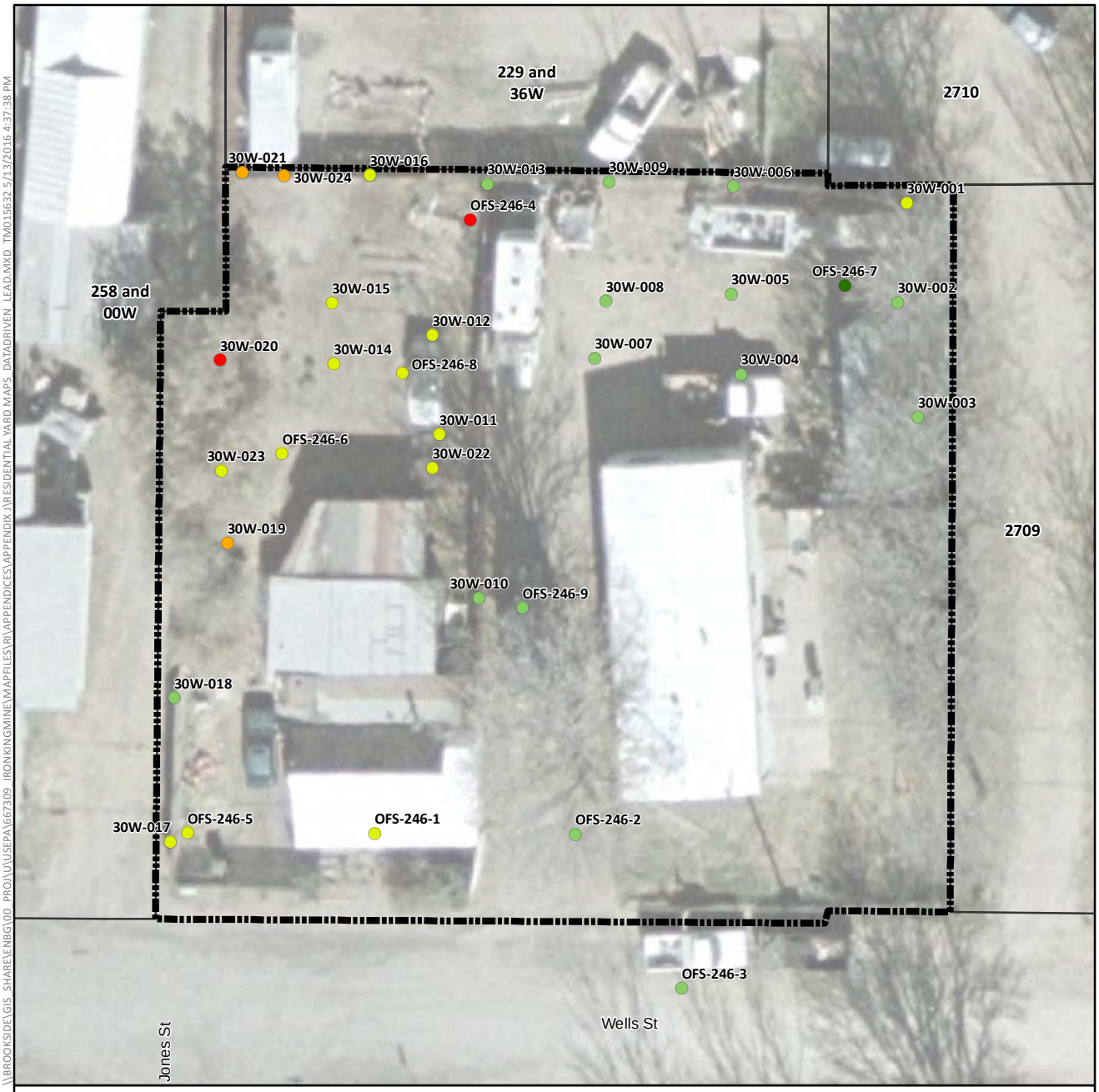


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2459B (Page 348 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



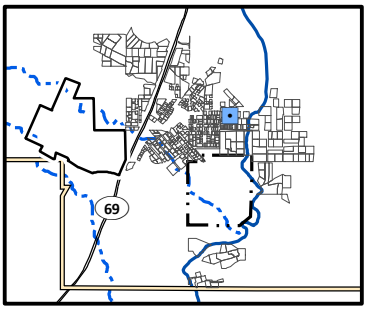
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 246 and 30W (Page 349 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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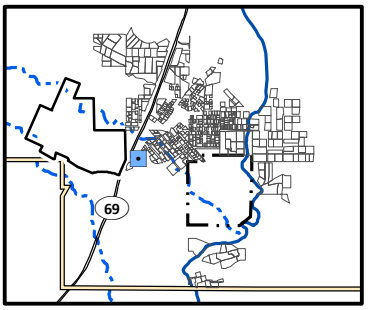


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2462 (Page 350 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



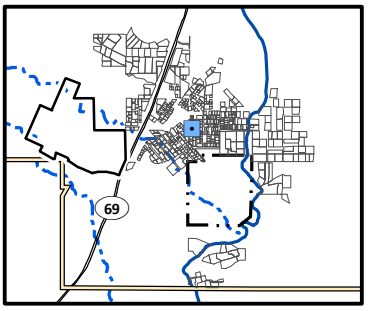
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 247 (Page 351 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



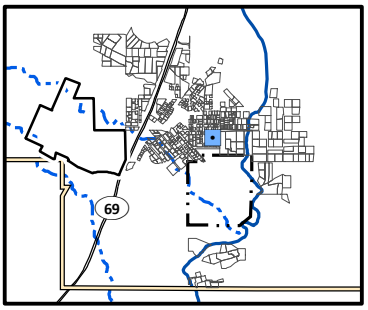
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 248 (Page 352 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



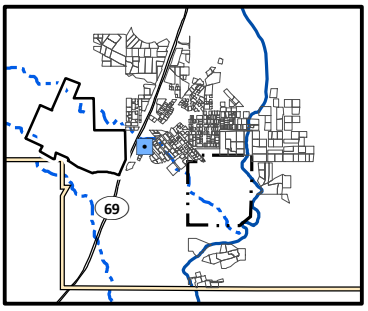
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

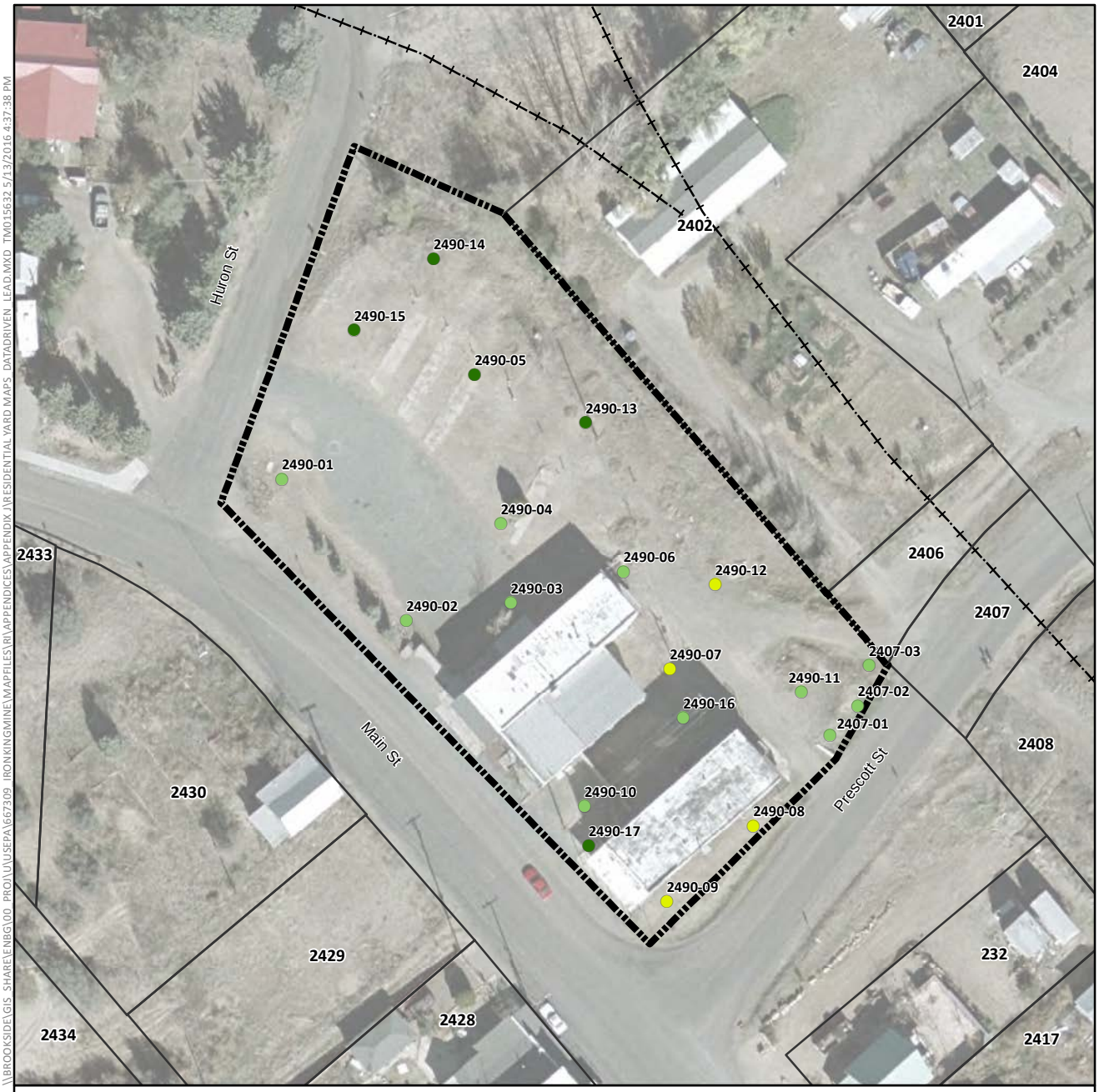


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 249 (Page 353 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



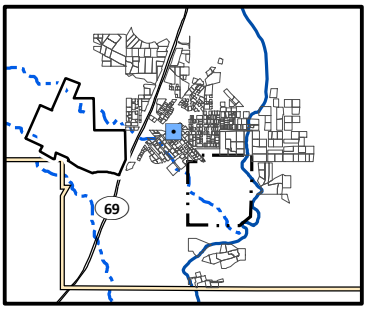
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

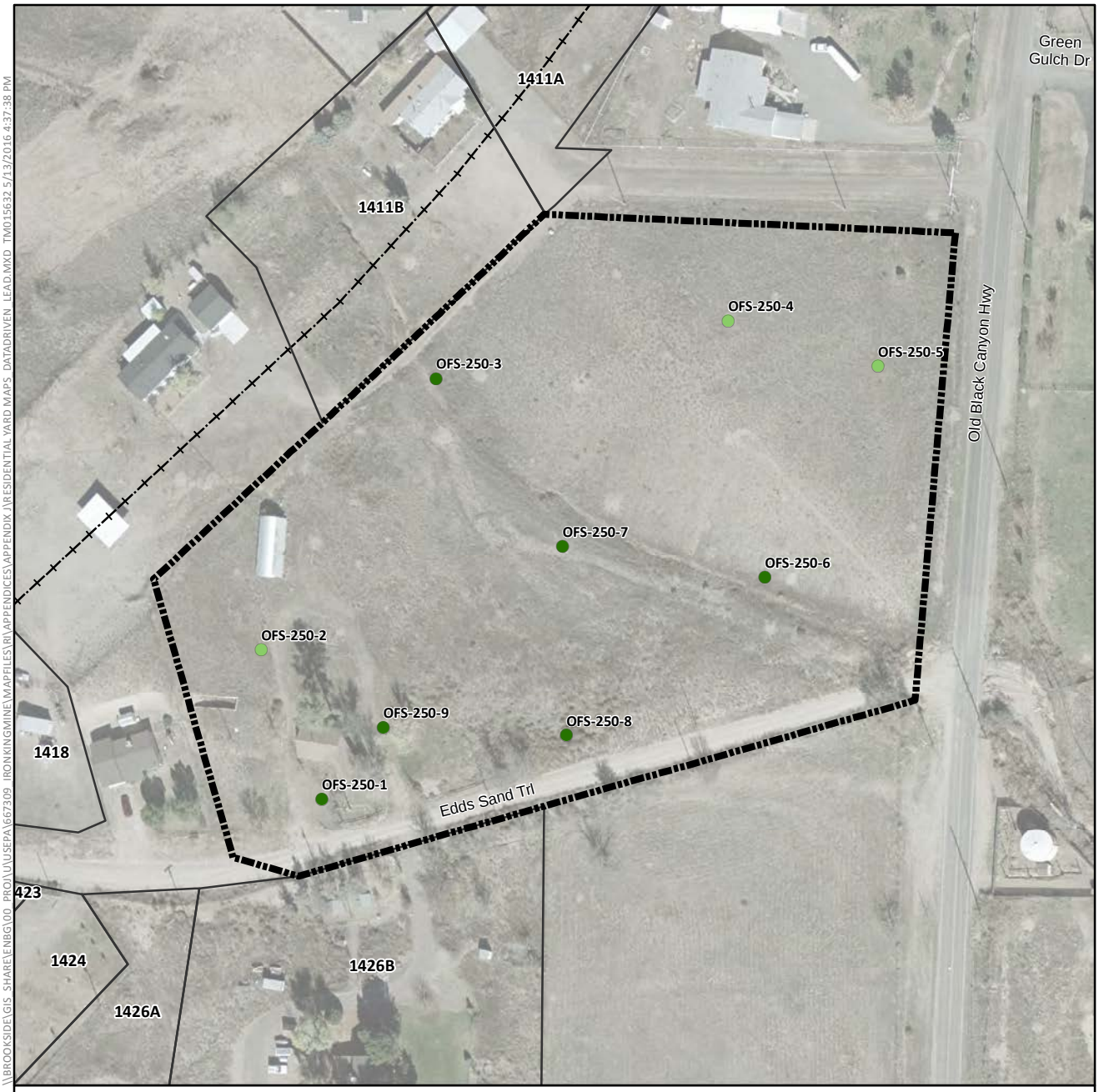


0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2490 (Page 354 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



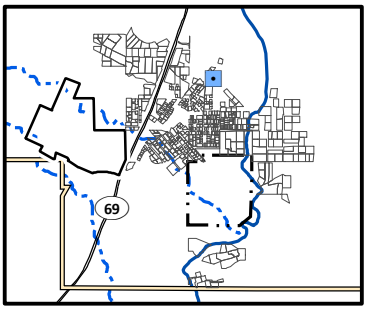
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 210
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 250 (Page 355 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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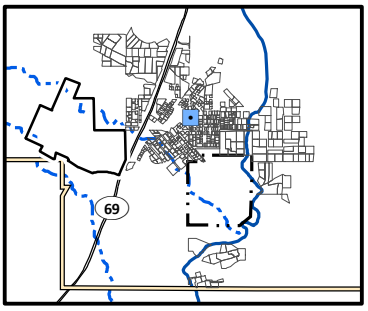


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2502 (Page 356 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



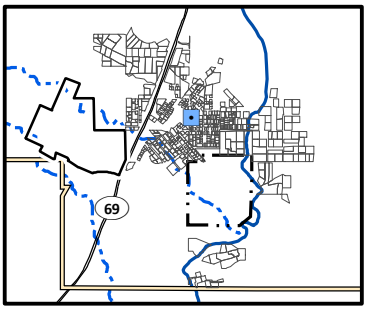
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2504 (Page 357 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



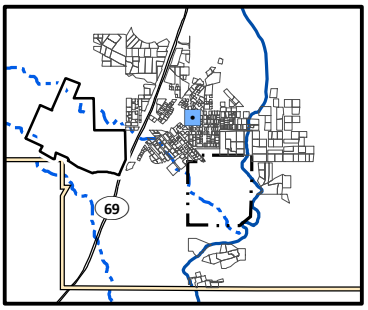
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2505 (Page 358 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



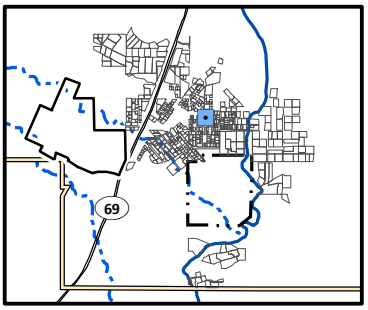
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

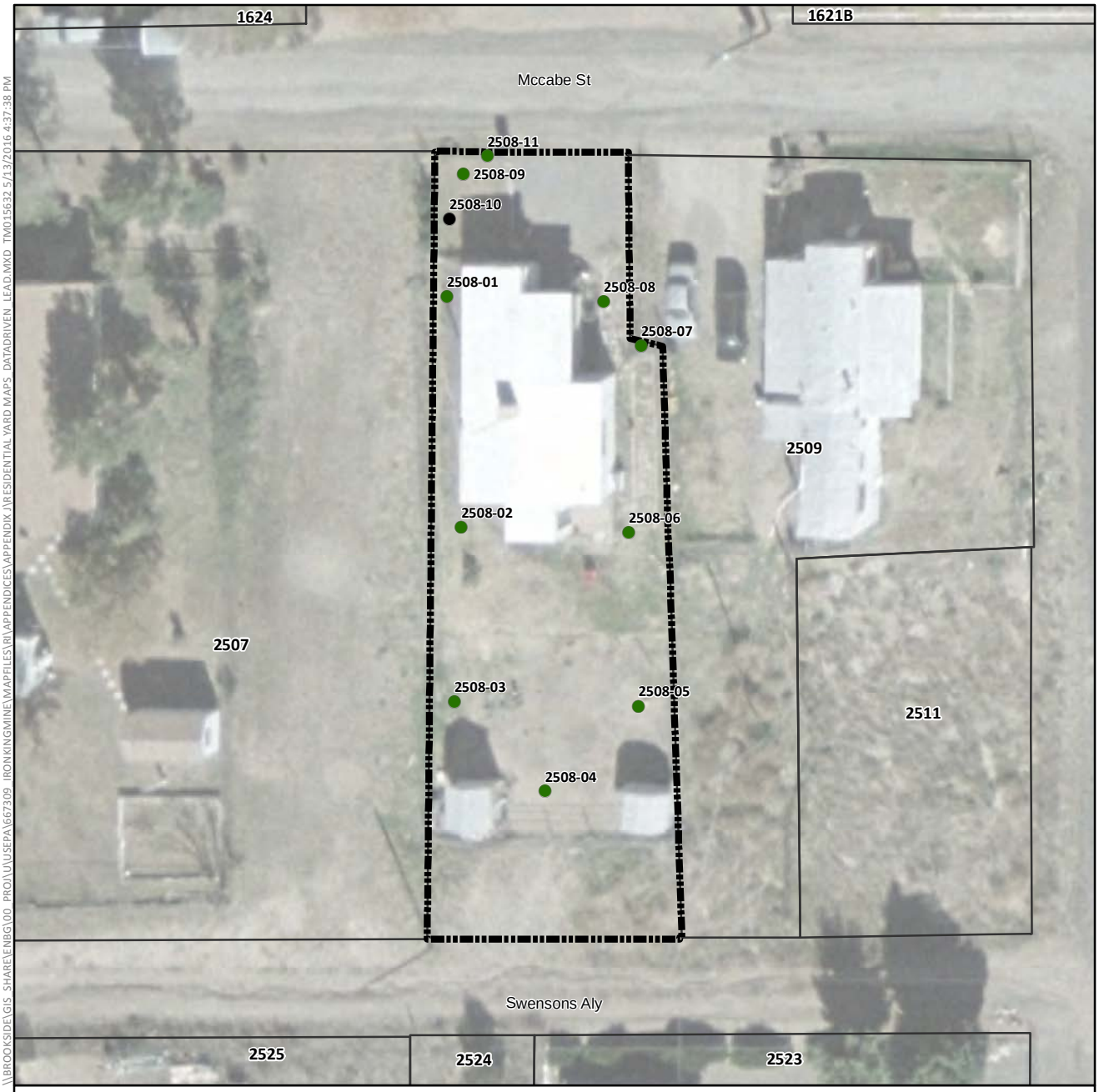


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2507 (Page 359 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



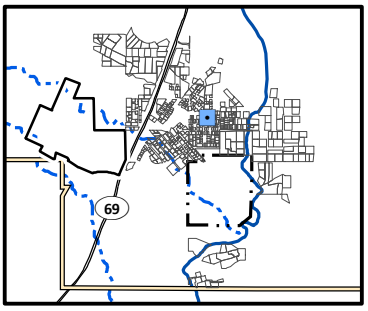
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

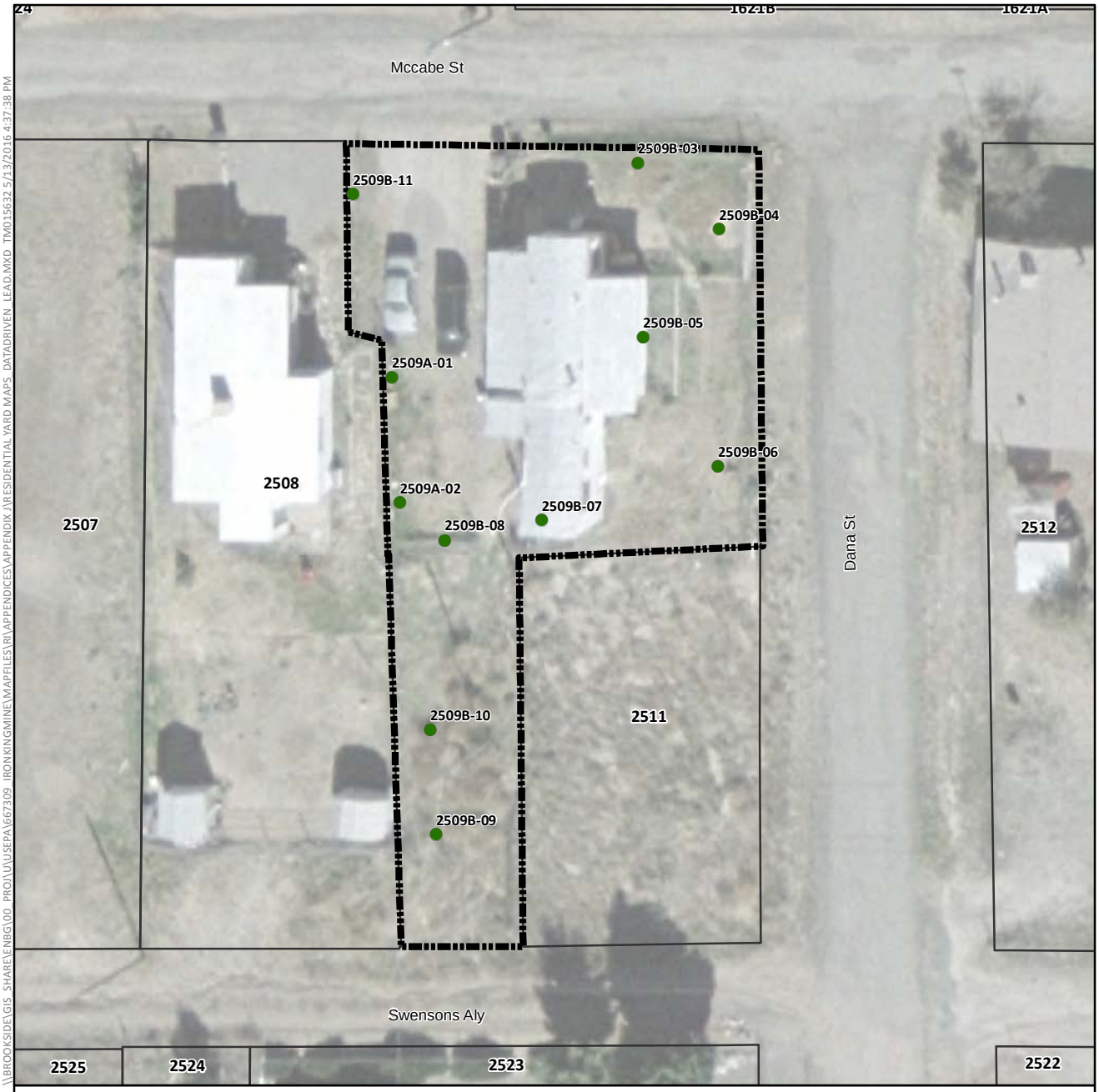
Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2508 (Page 360 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



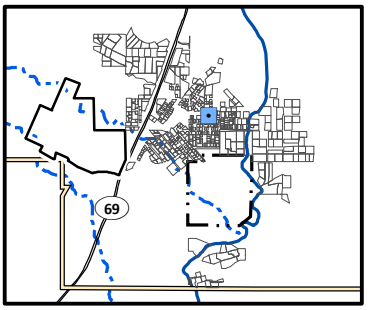
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2509 (Page 361 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



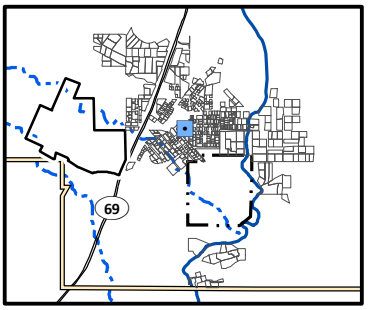
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 251 (Page 362 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



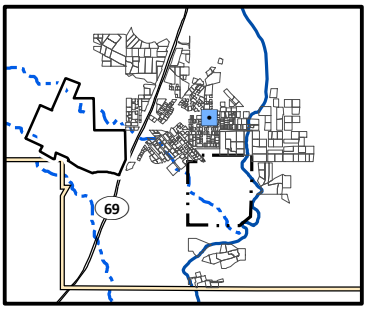
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 25
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2511 (Page 363 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



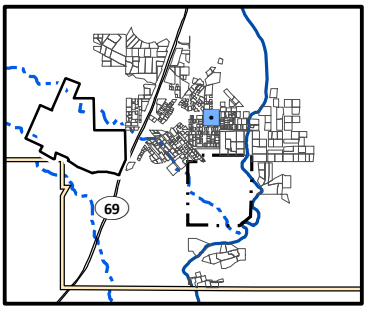
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

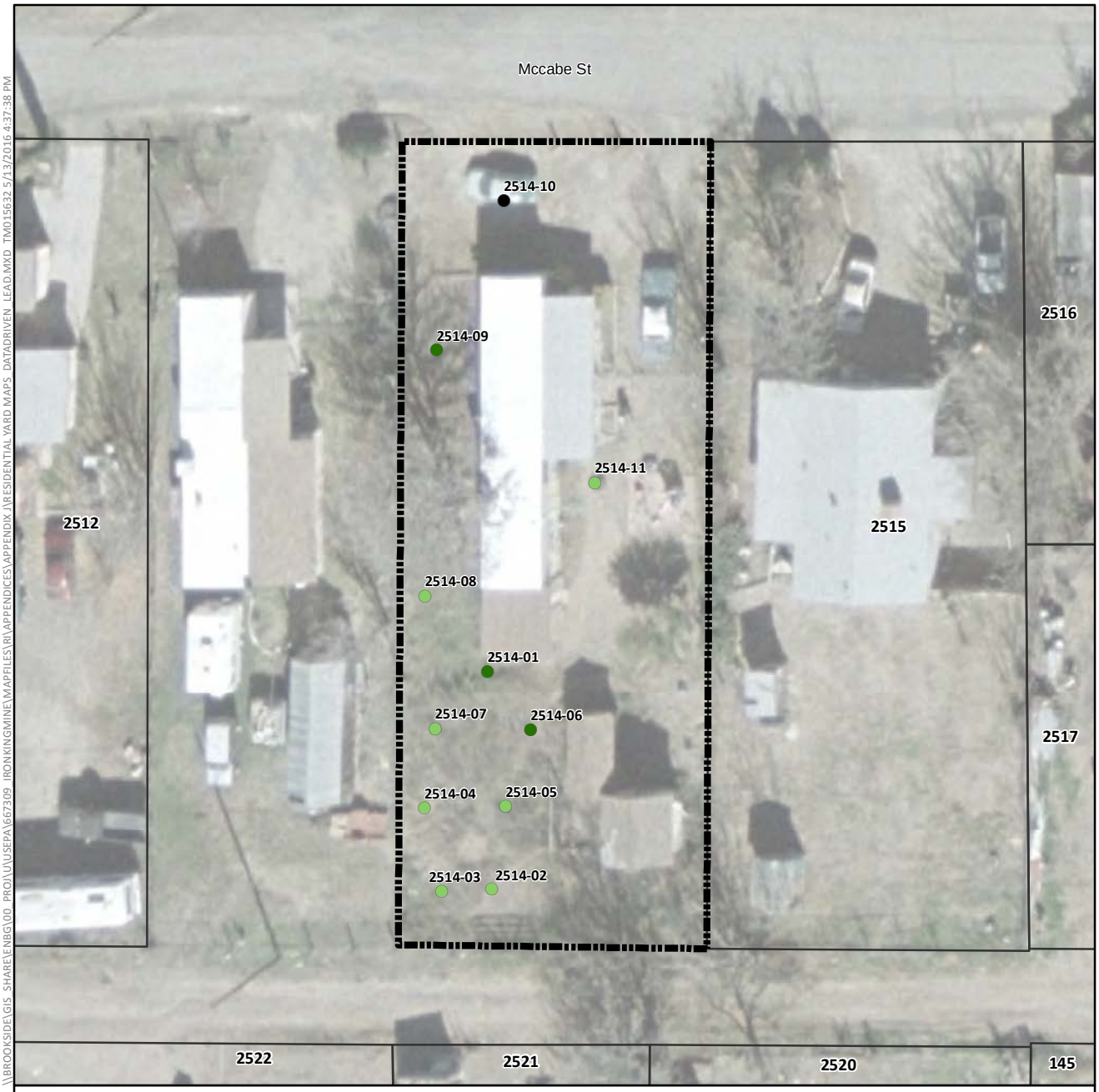


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2512 (Page 364 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



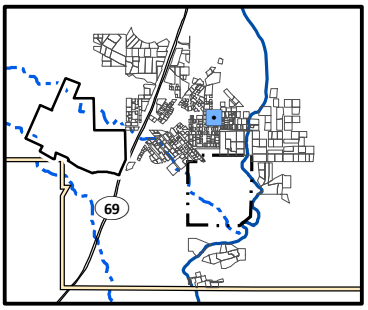
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

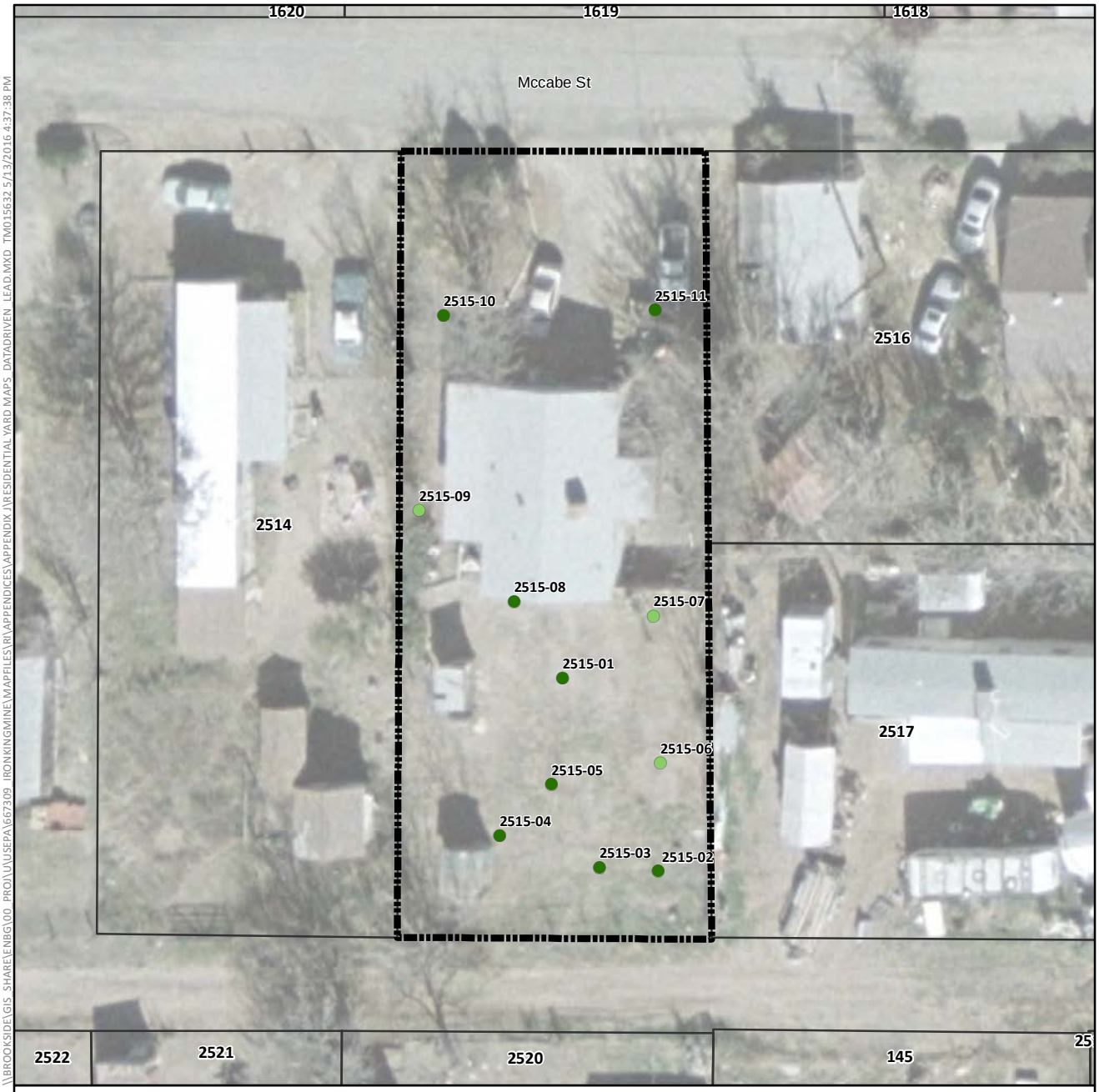
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2514 (Page 365 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



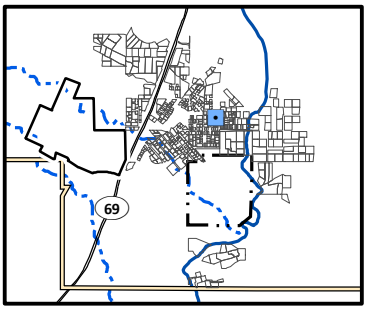
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2515 (Page 366 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



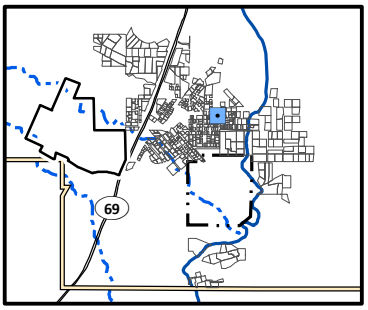
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2516 (Page 367 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



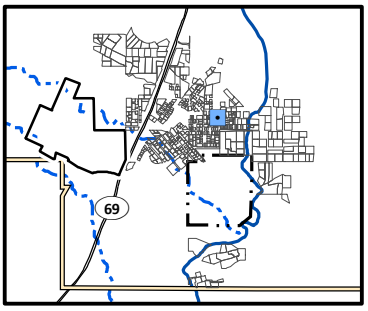
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2517 (Page 368 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



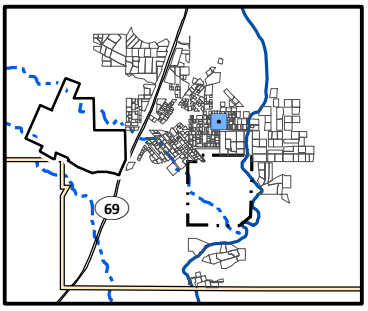
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

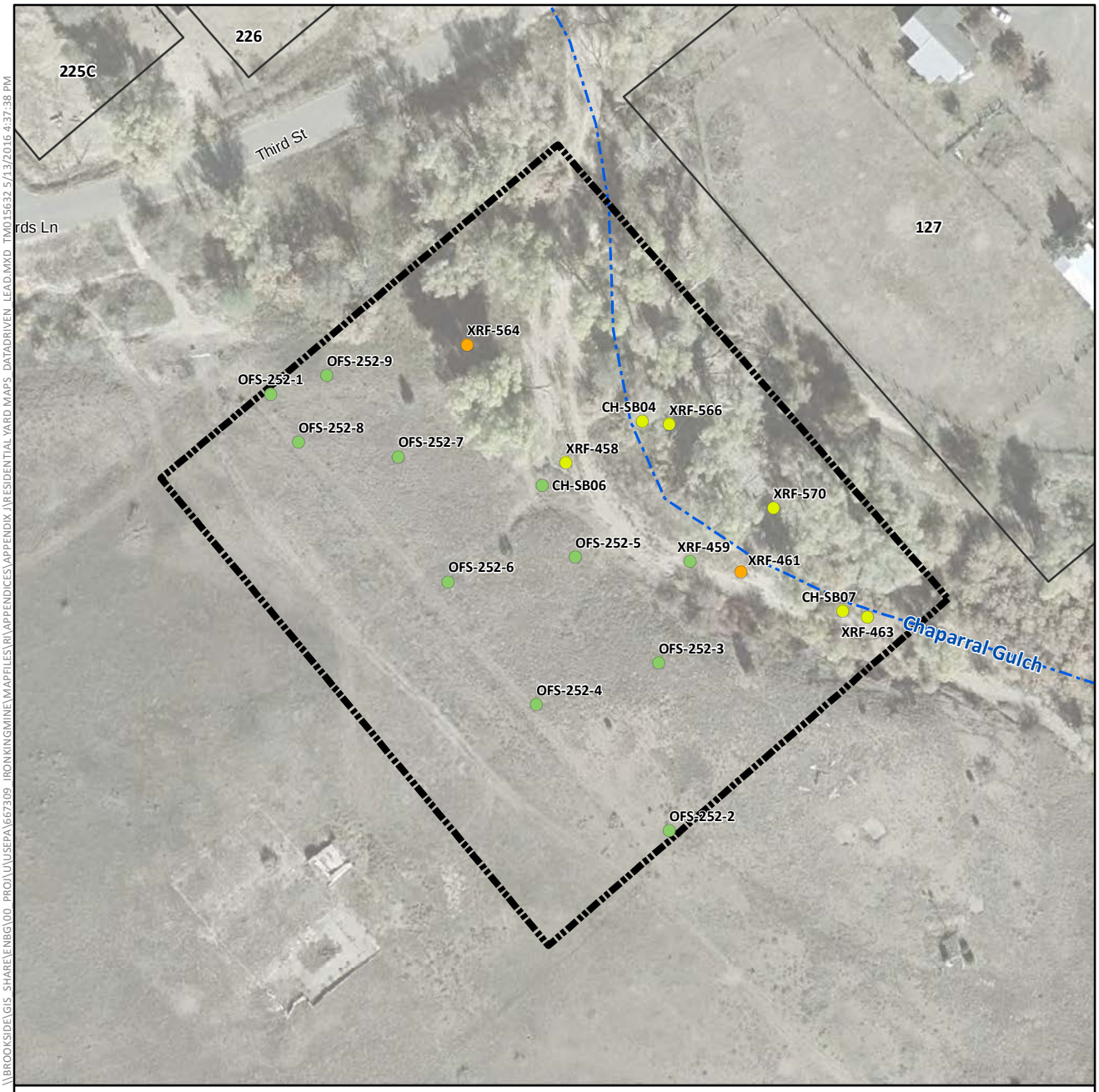
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2518 (Page 369 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



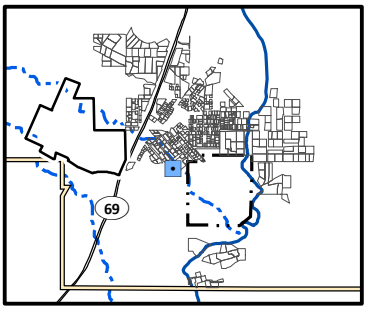
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

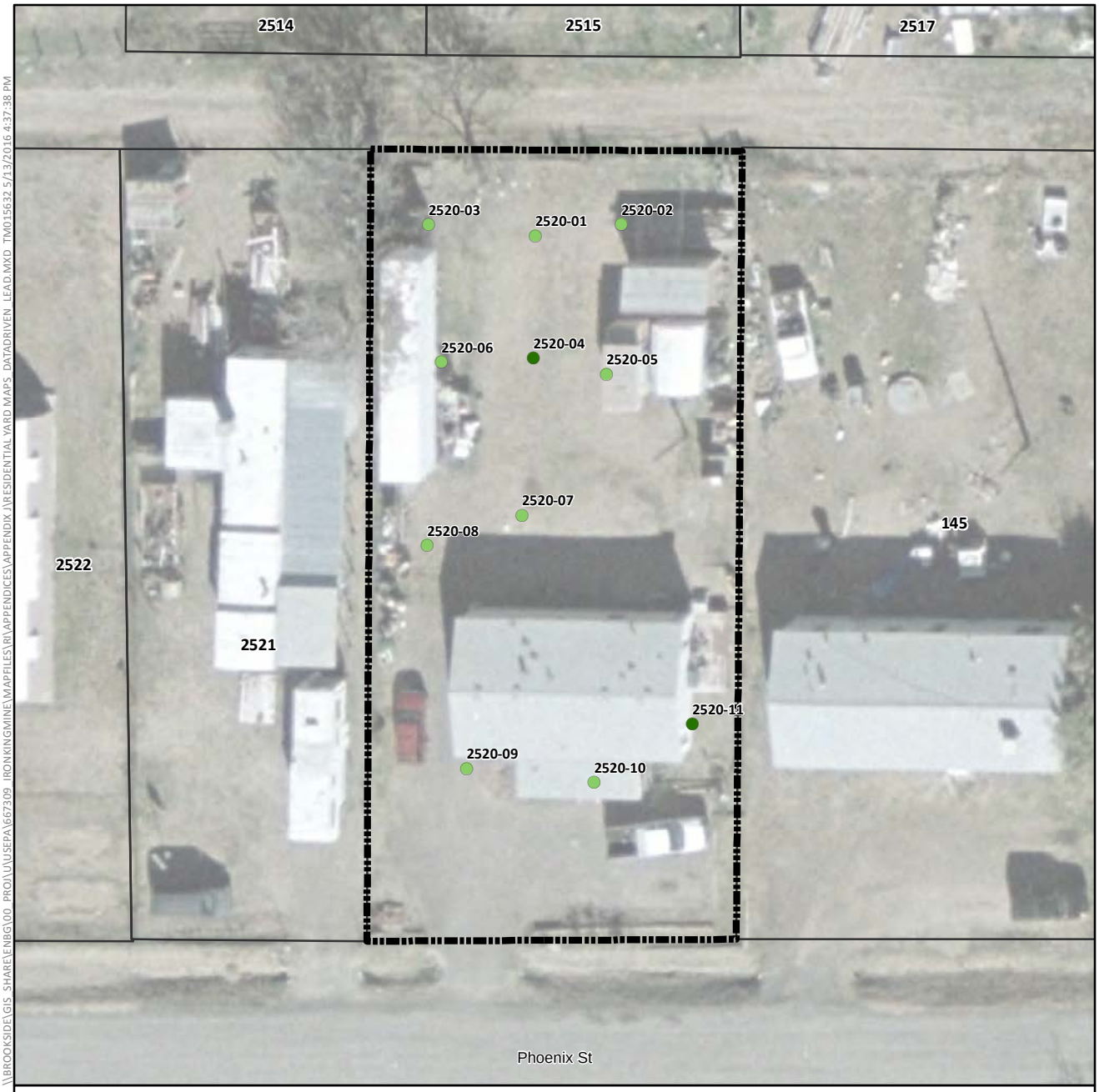
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 180
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 252 (Page 370 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



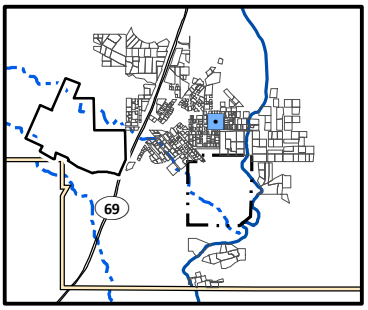
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2520 (Page 371 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



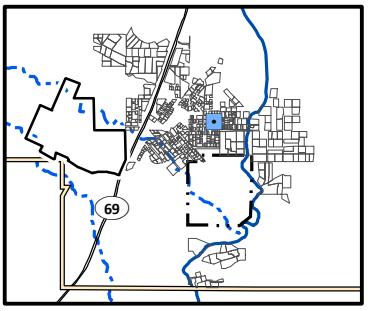
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2521 (Page 372 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



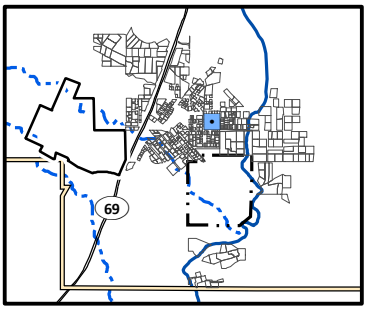
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2522 (Page 373 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



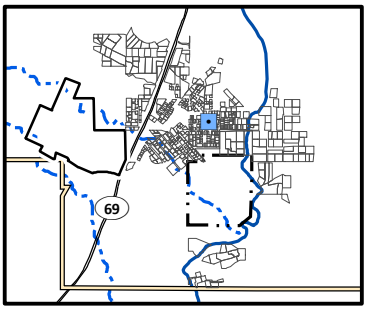
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2523 (Page 374 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



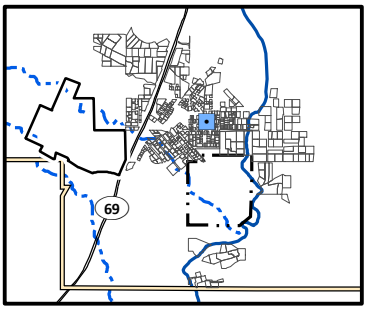
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2524 (Page 375 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



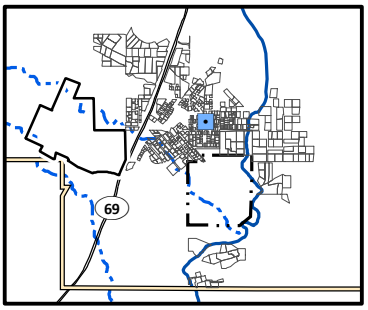
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

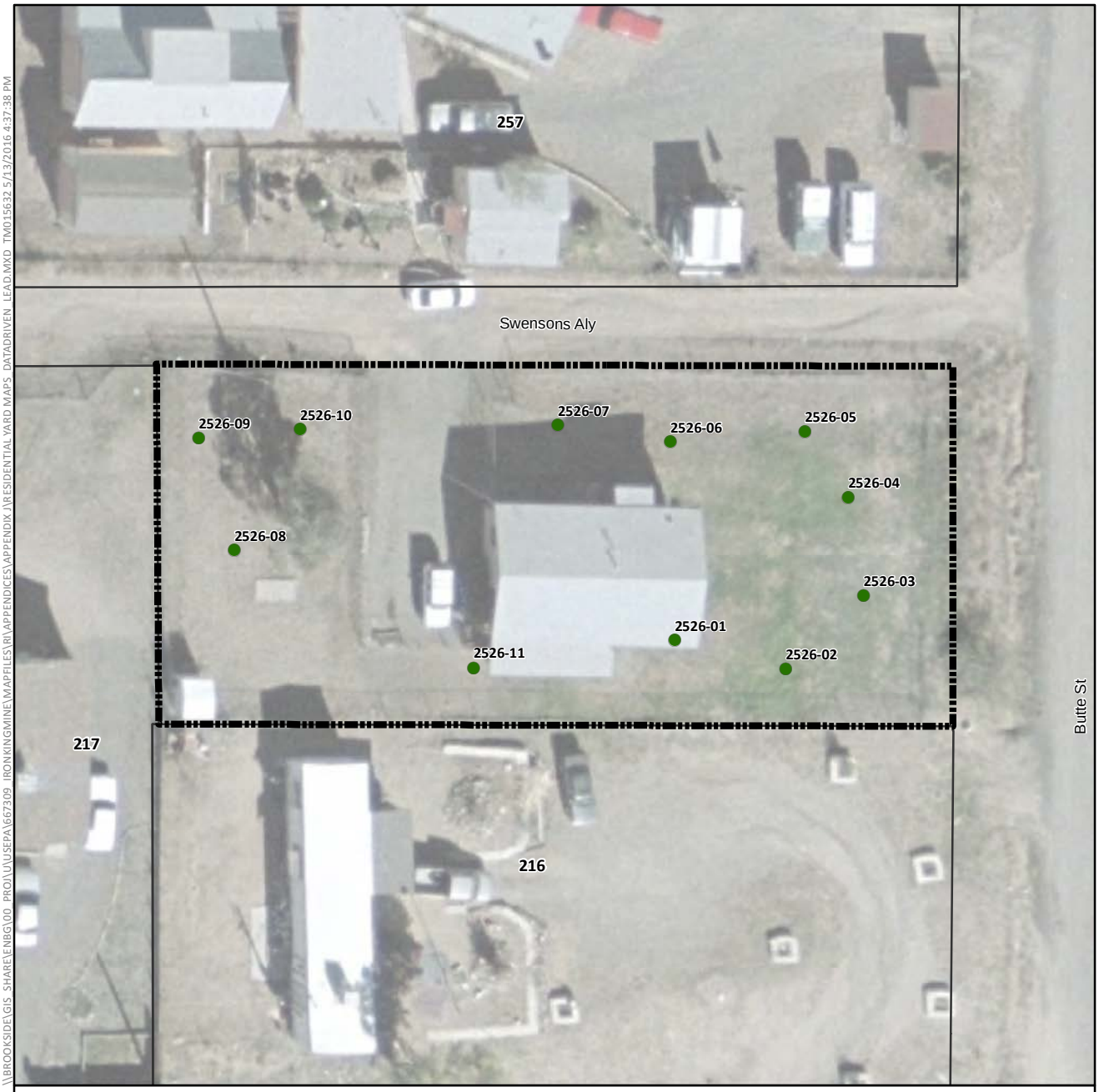


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2525 (Page 376 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



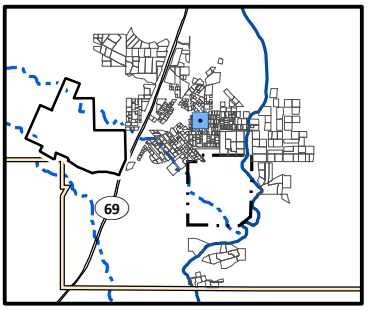
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2526 (Page 377 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



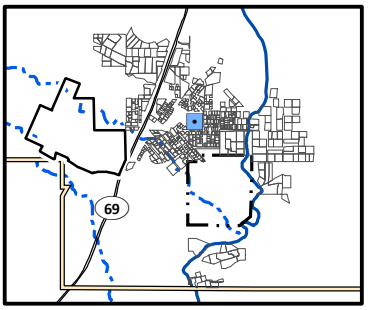
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2527 (Page 378 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



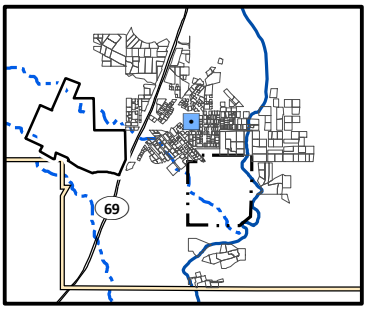
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2529 (Page 379 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



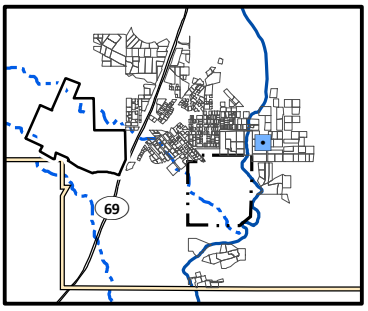
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 253 (Page 380 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



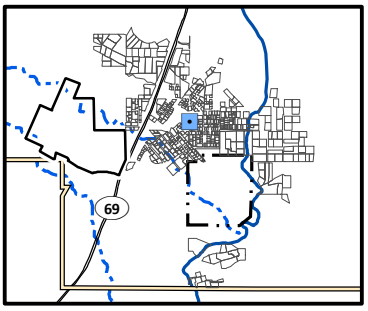
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2530 (Page 381 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



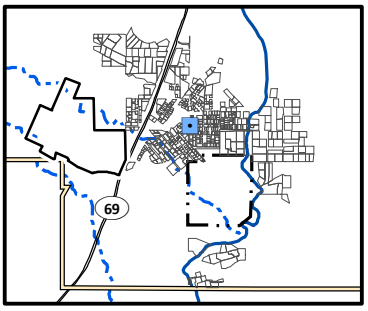
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2532 (Page 382 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



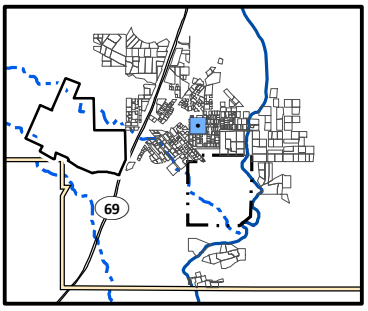
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2535 (Page 383 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



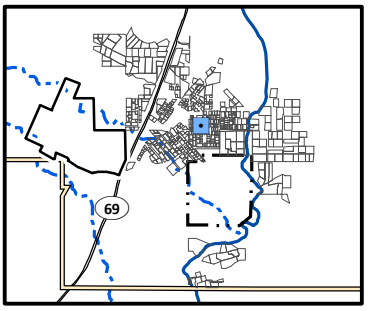
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

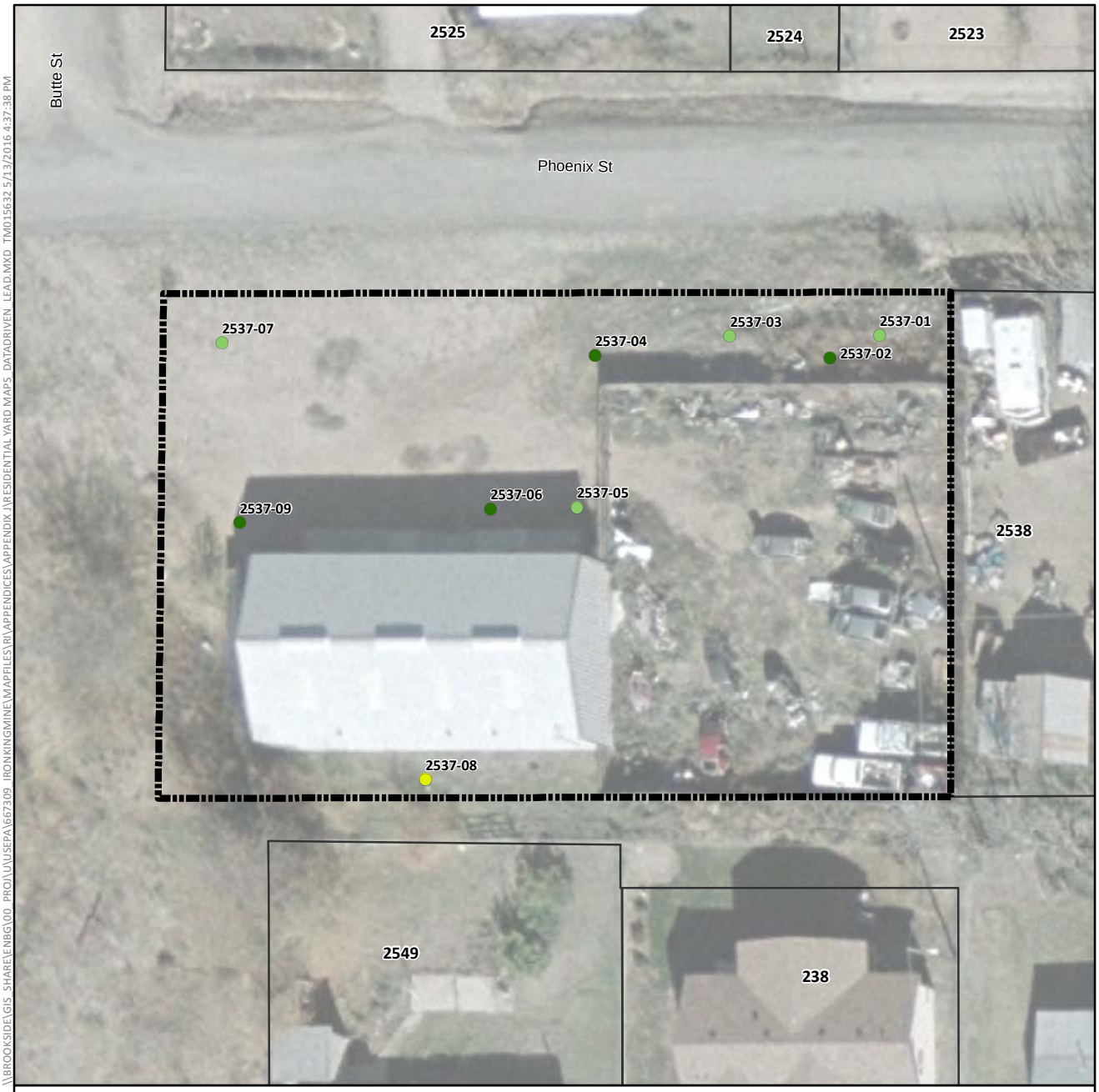


0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2536 (Page 384 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



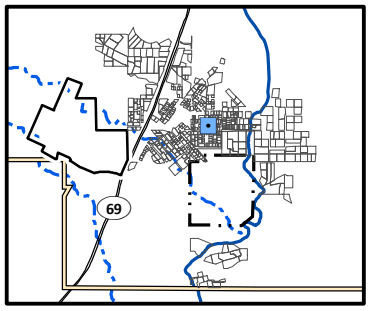
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2537 (Page 385 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



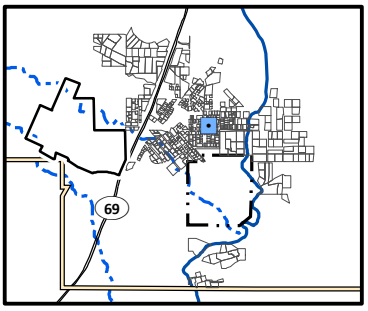
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2538 (Page 386 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



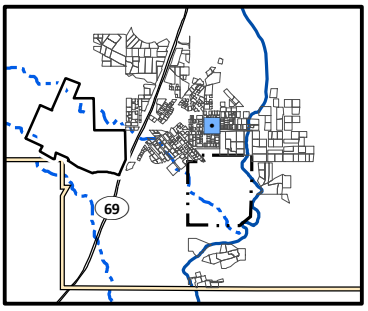
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2539 (Page 387 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



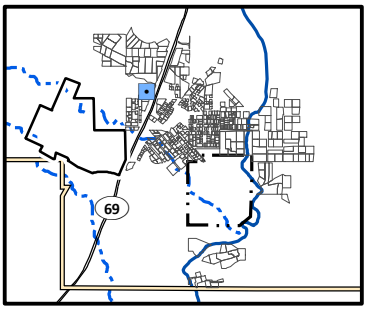
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 254 (Page 388 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_LEAD.MXD TM0115632 5/13/2016 4:37:38 PM

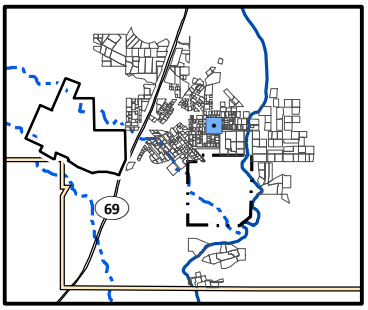


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2540 (Page 389 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



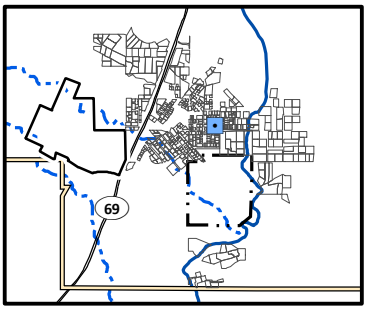
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2541 (Page 390 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



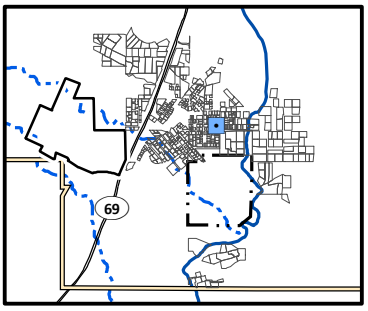
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2542 (Page 391 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



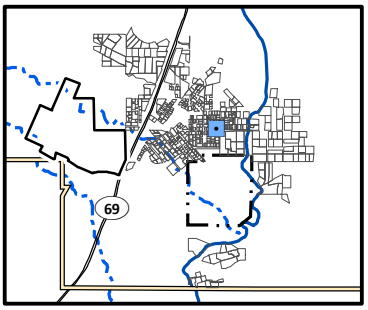
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2545 (Page 392 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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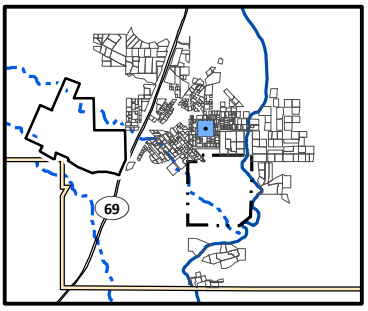


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

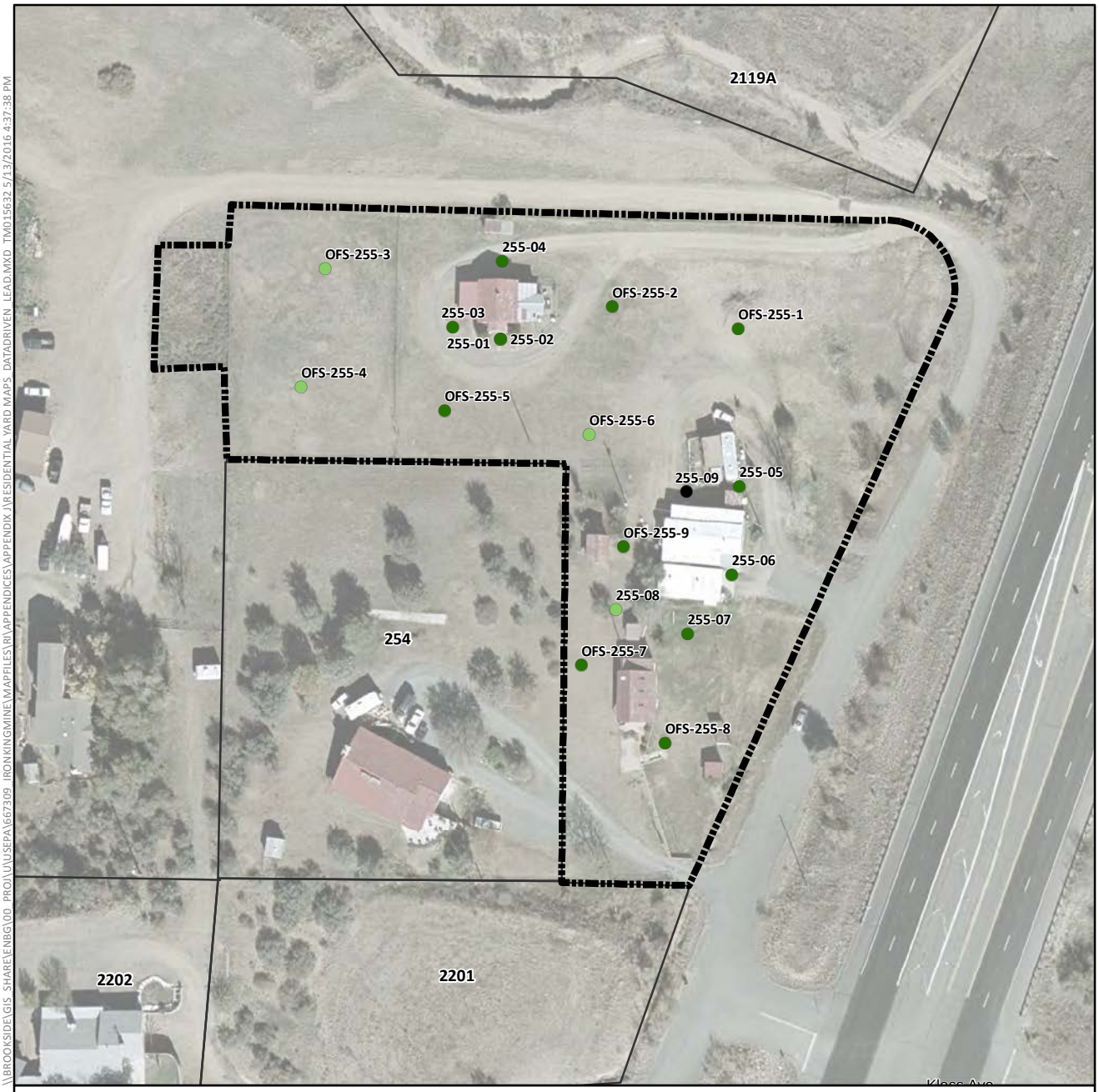


0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2549 (Page 393 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



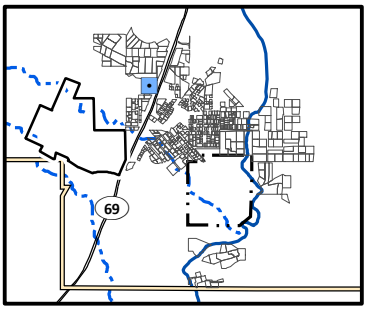
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

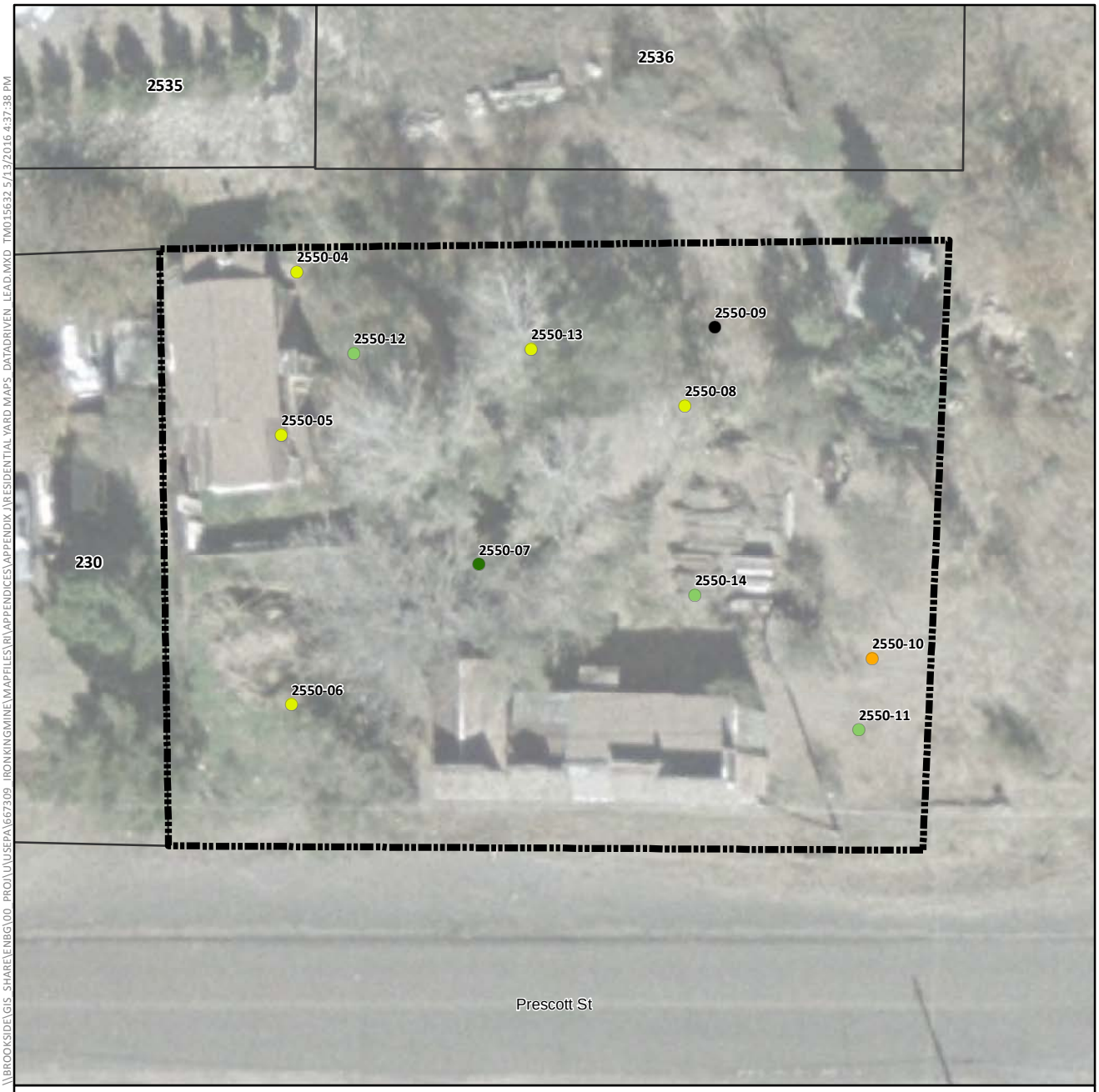
Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 170
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 255 (Page 394 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



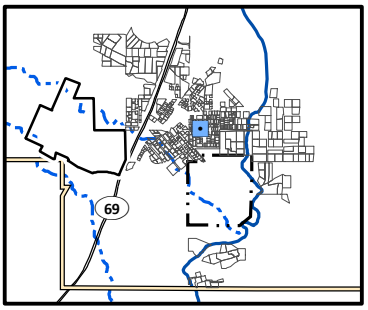
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
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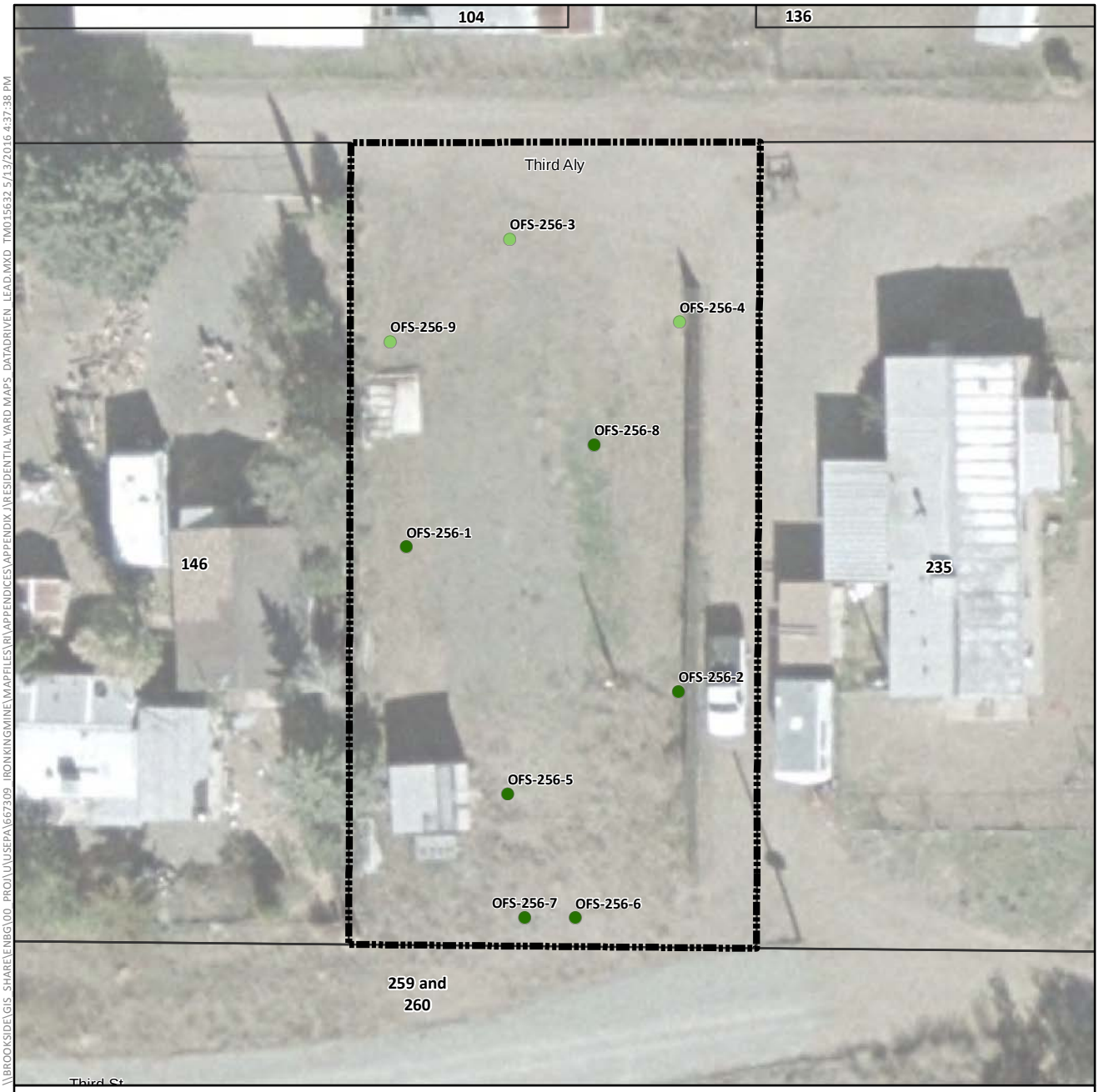


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2550 (Page 395 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



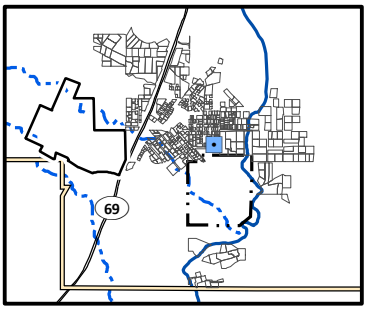
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 256 (Page 396 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



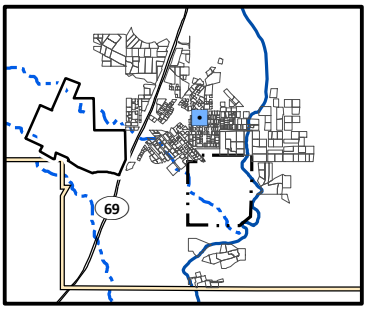
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 257 (Page 397 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



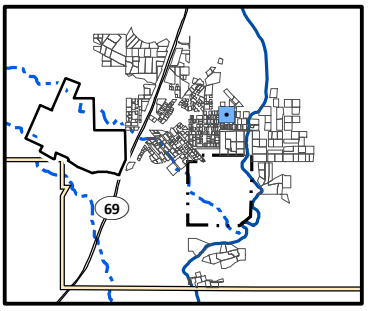
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

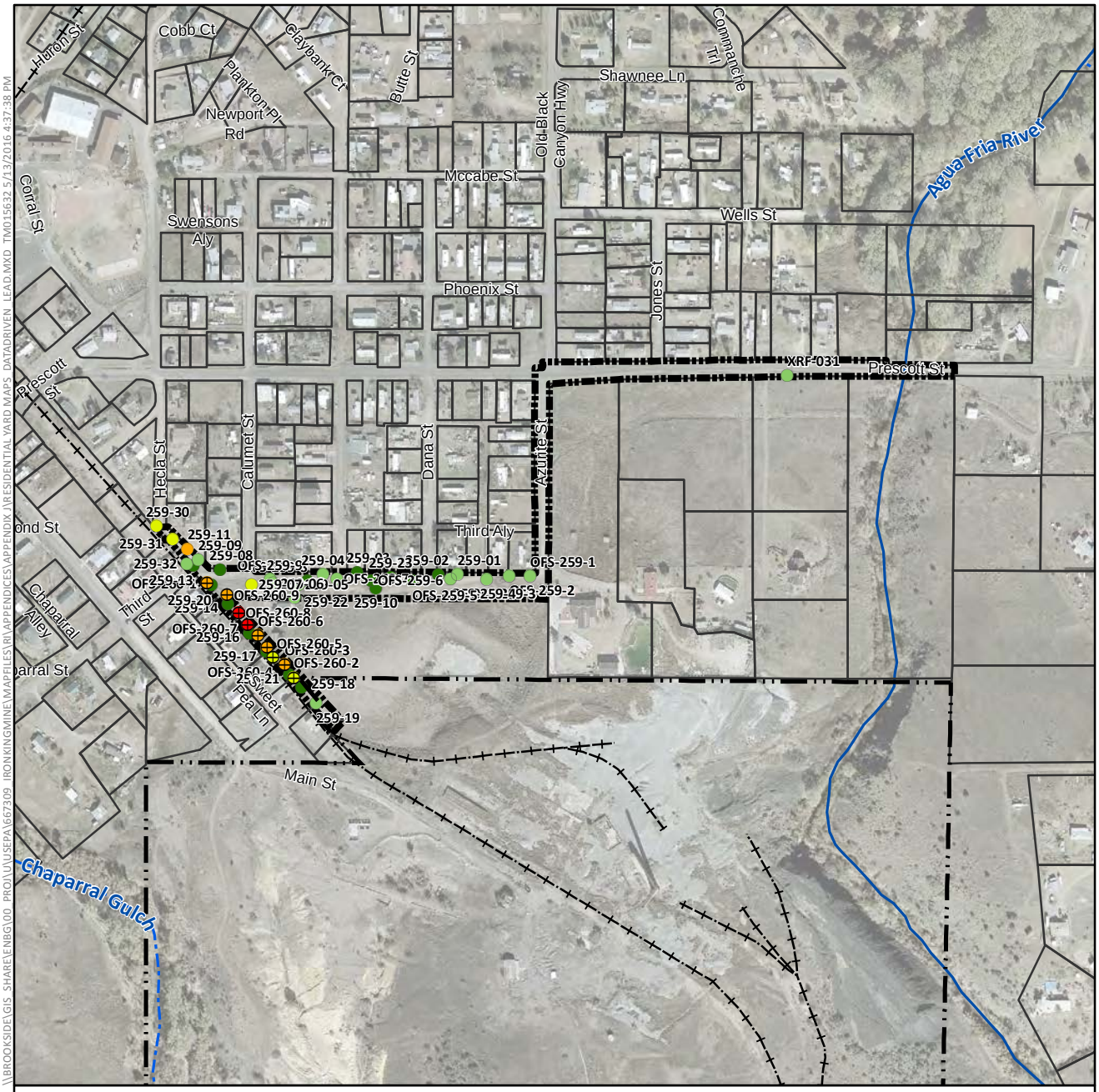
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 258 and 00W (Page 398 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

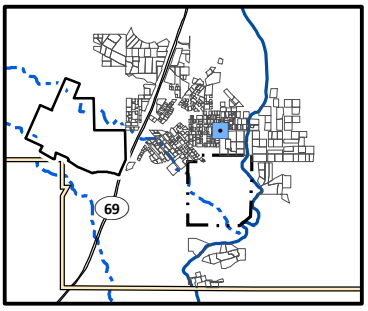


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 870
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 259 and 260 (Page 399 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_LEAD.MXD TM0156322 5/13/2016 4:37:38 PM



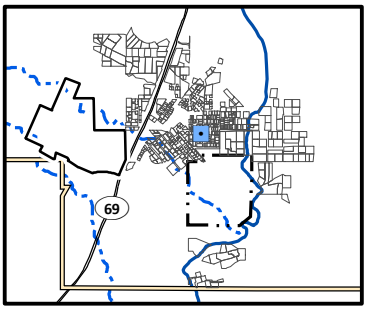
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2602 (Page 400 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



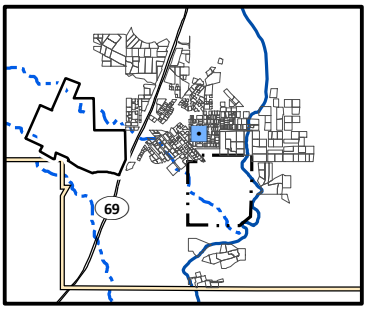
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

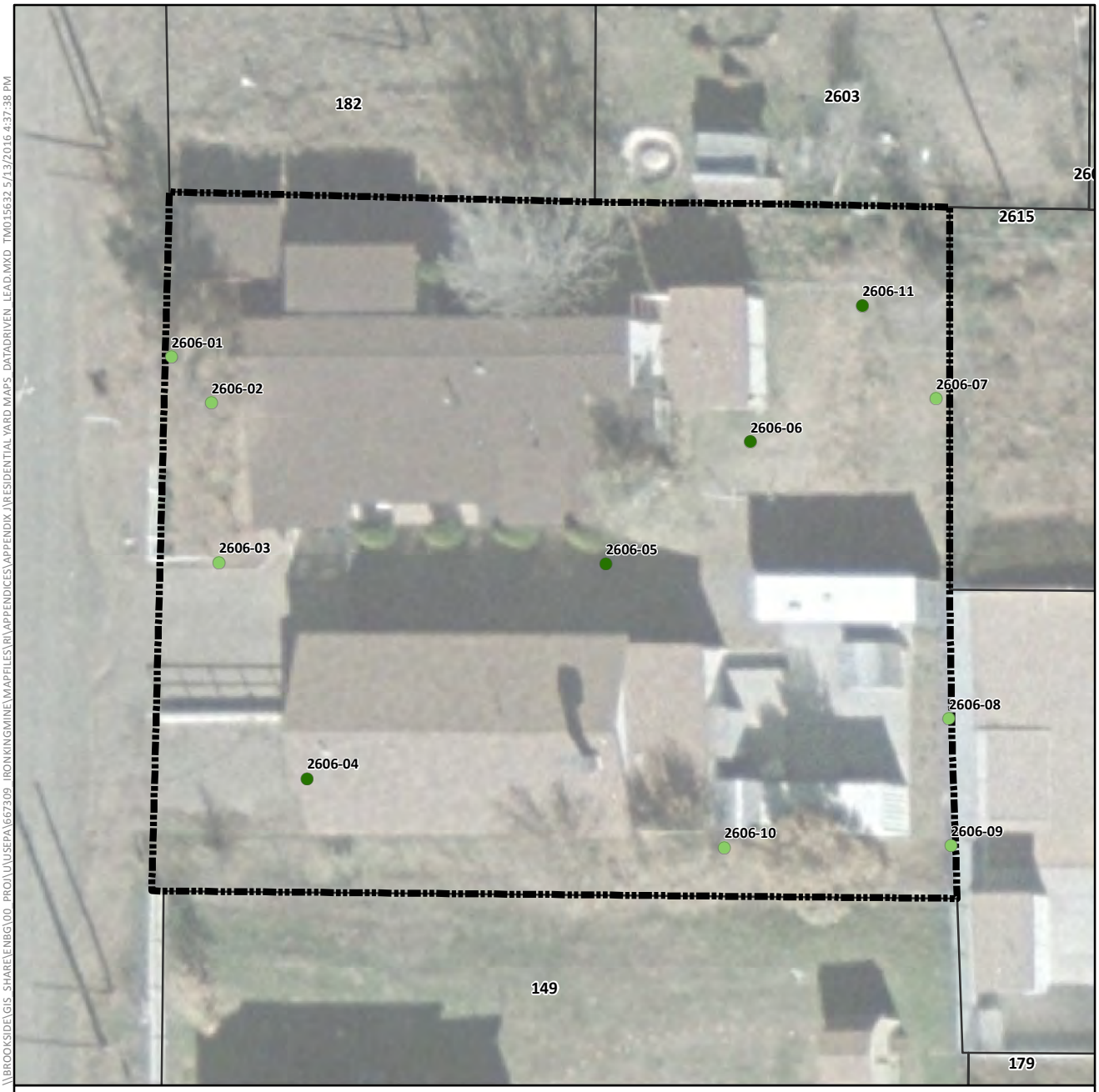


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2603 (Page 401 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



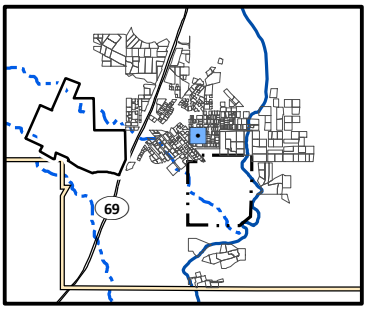
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

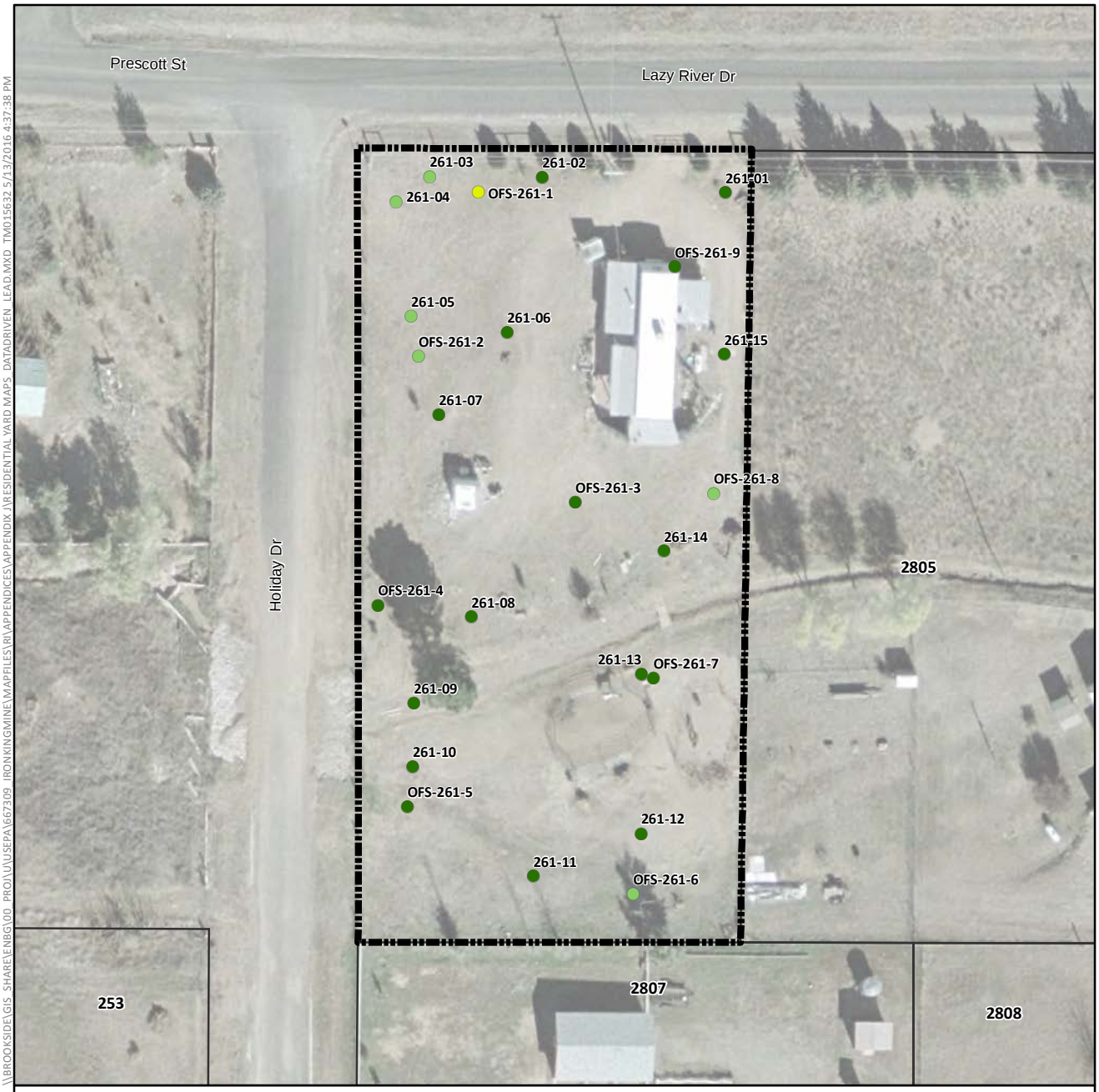


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2606 (Page 402 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



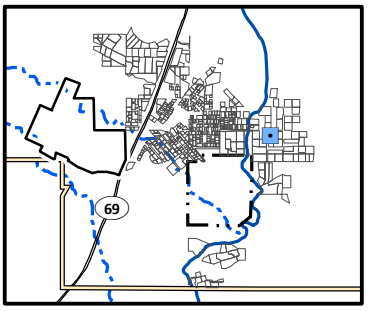
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

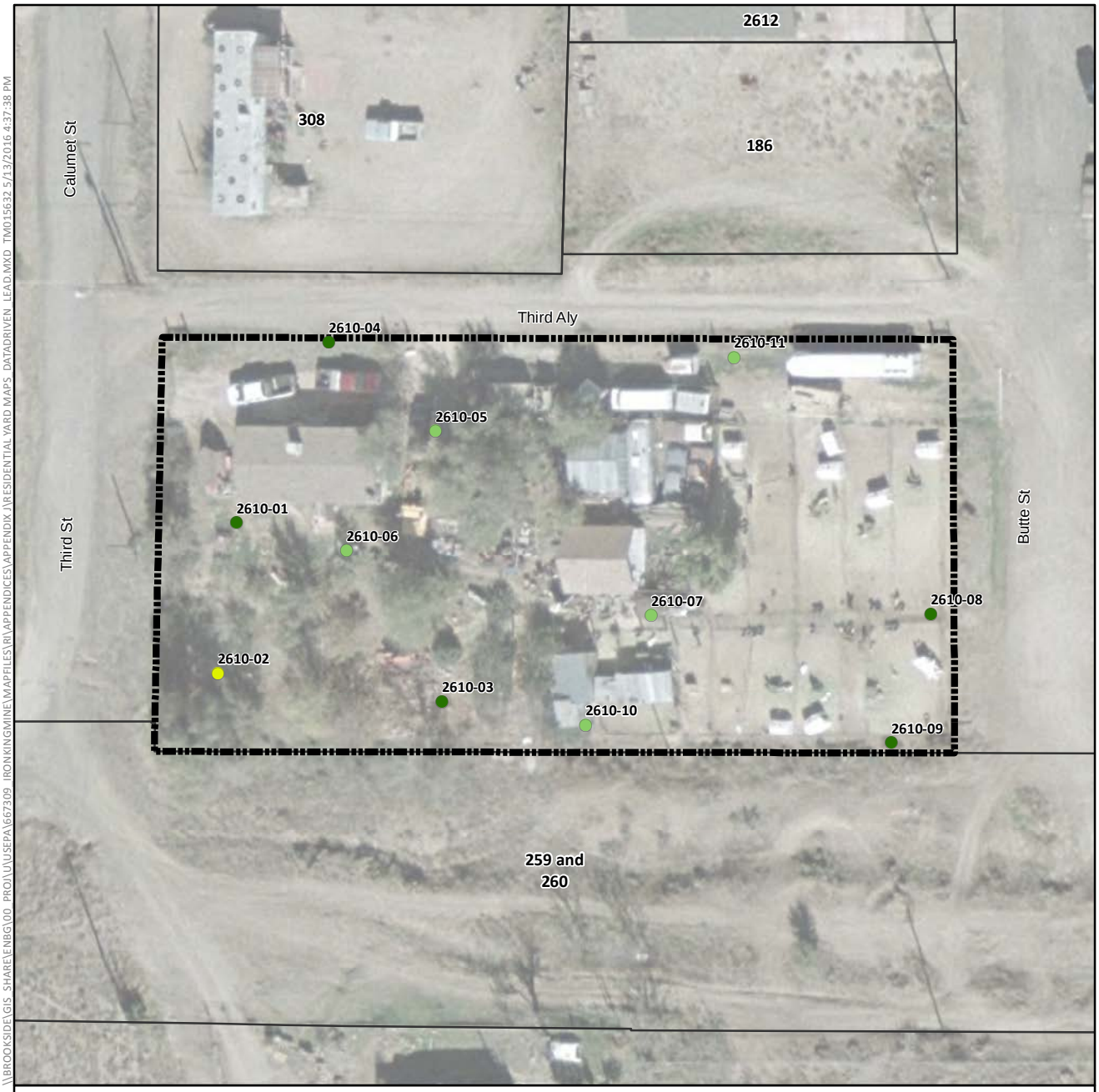
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 261 (Page 403 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



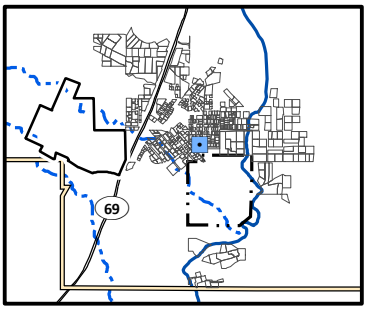
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

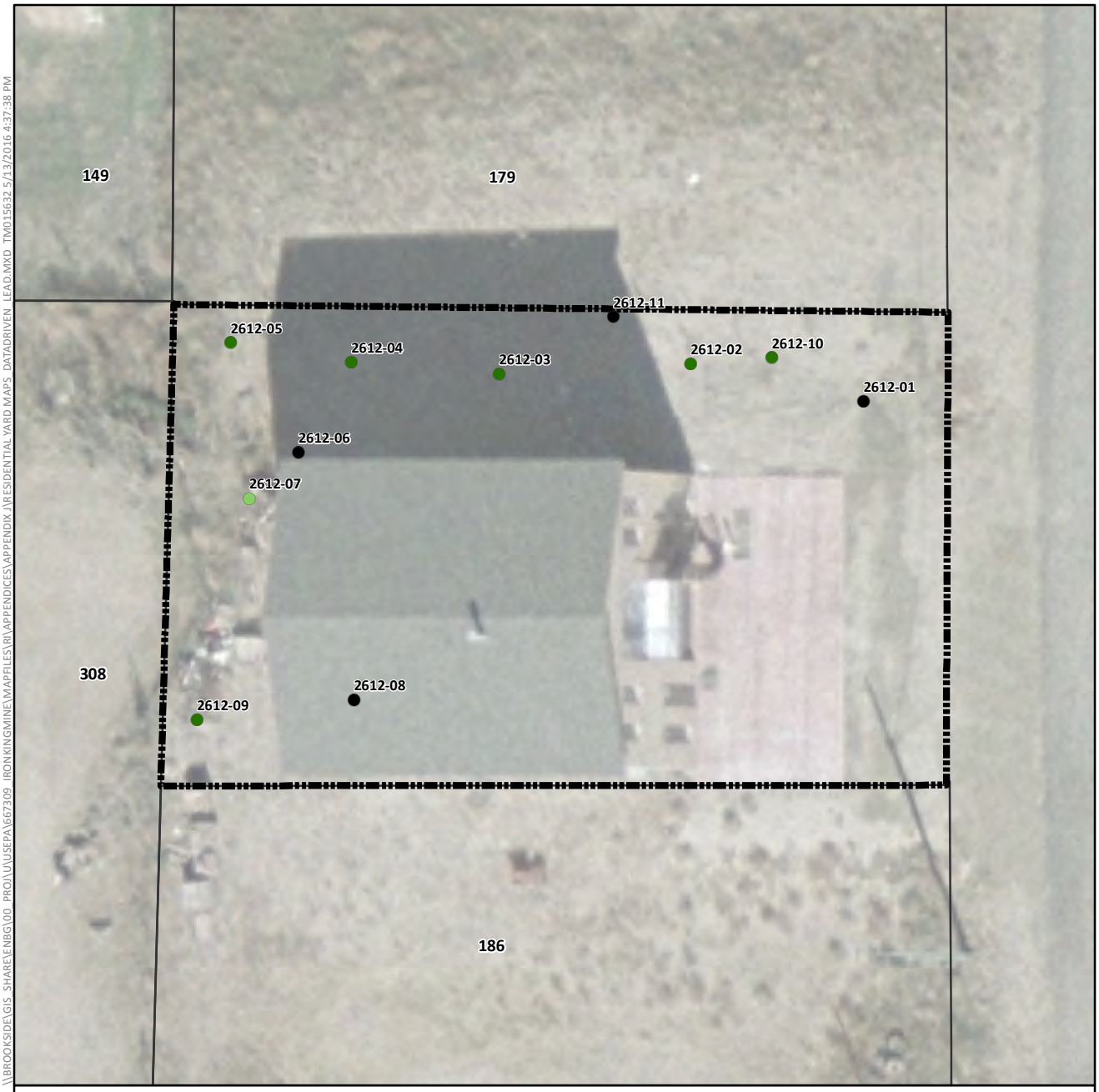
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2610 (Page 404 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



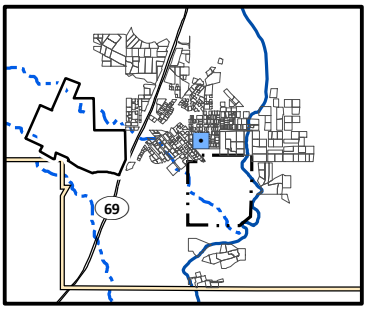
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

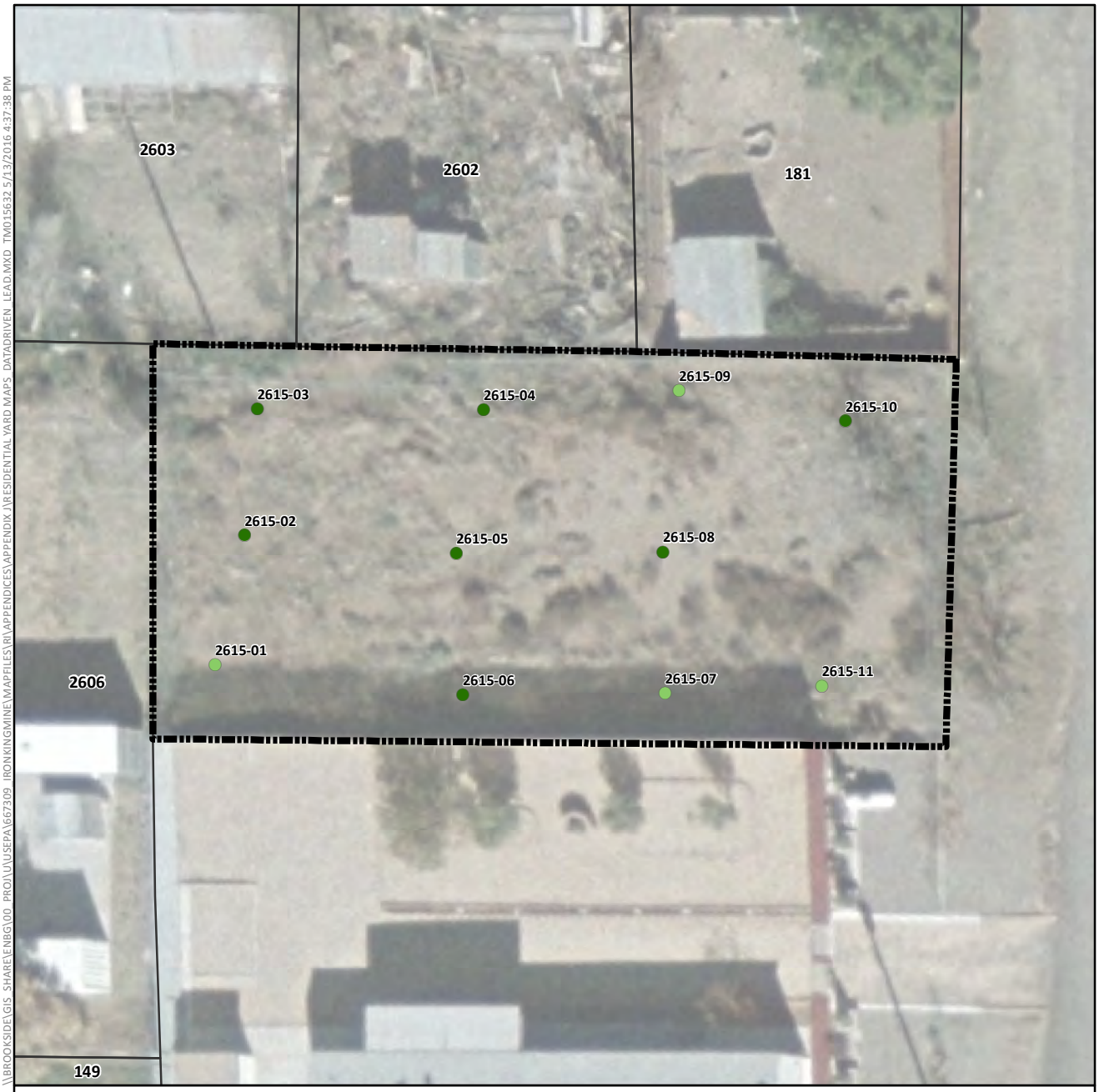
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2612 (Page 405 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



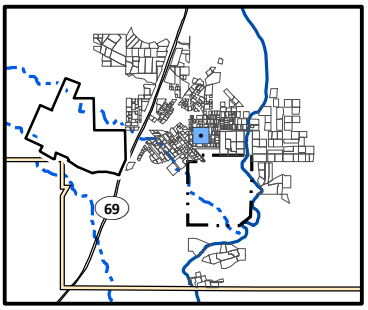
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2615 (Page 406 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



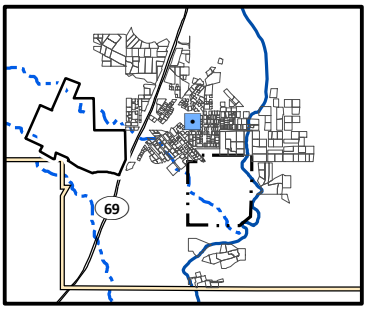
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 262 (Page 407 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



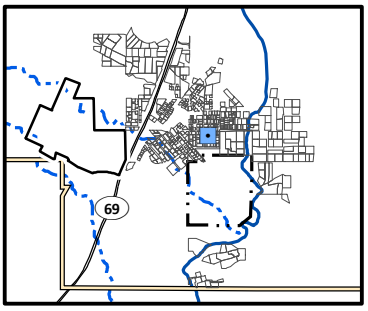
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 263 (Page 408 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



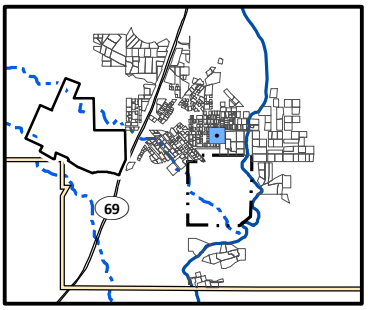
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 265 (Page 409 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



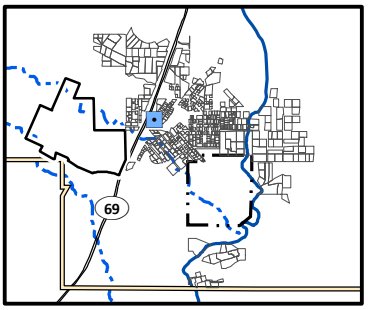
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

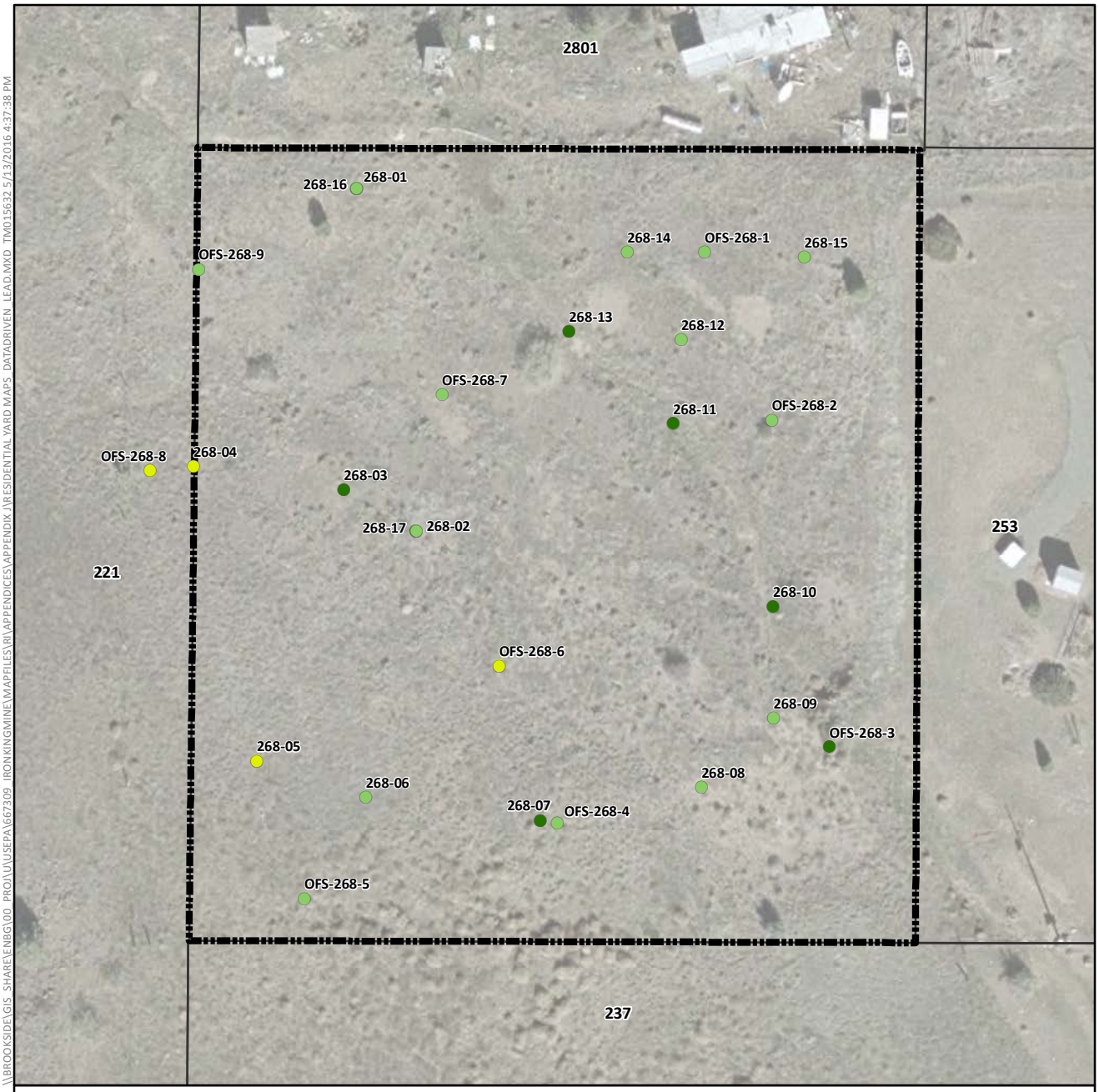


0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 267 (Page 410 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



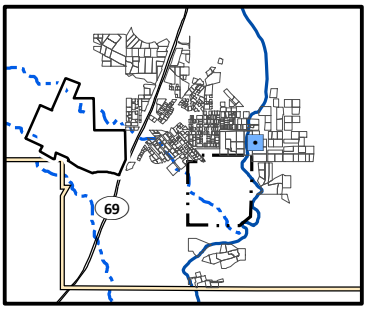
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

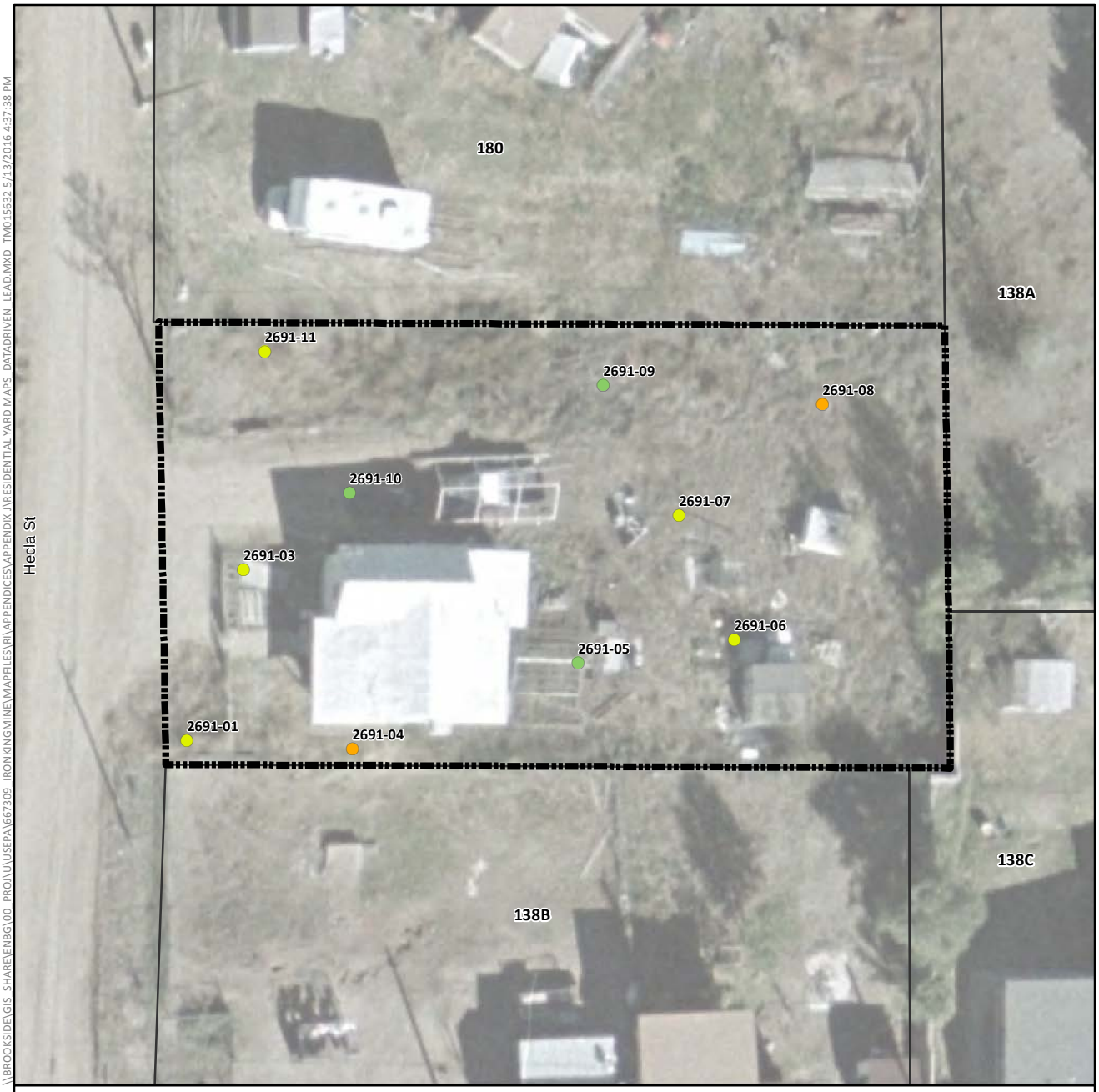
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 268 (Page 411 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



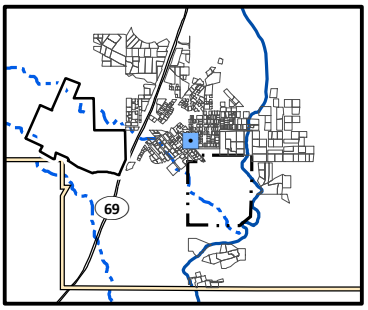
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2691 (Page 412 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



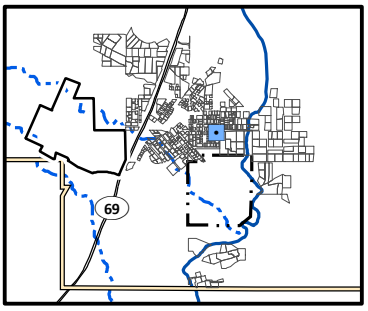
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

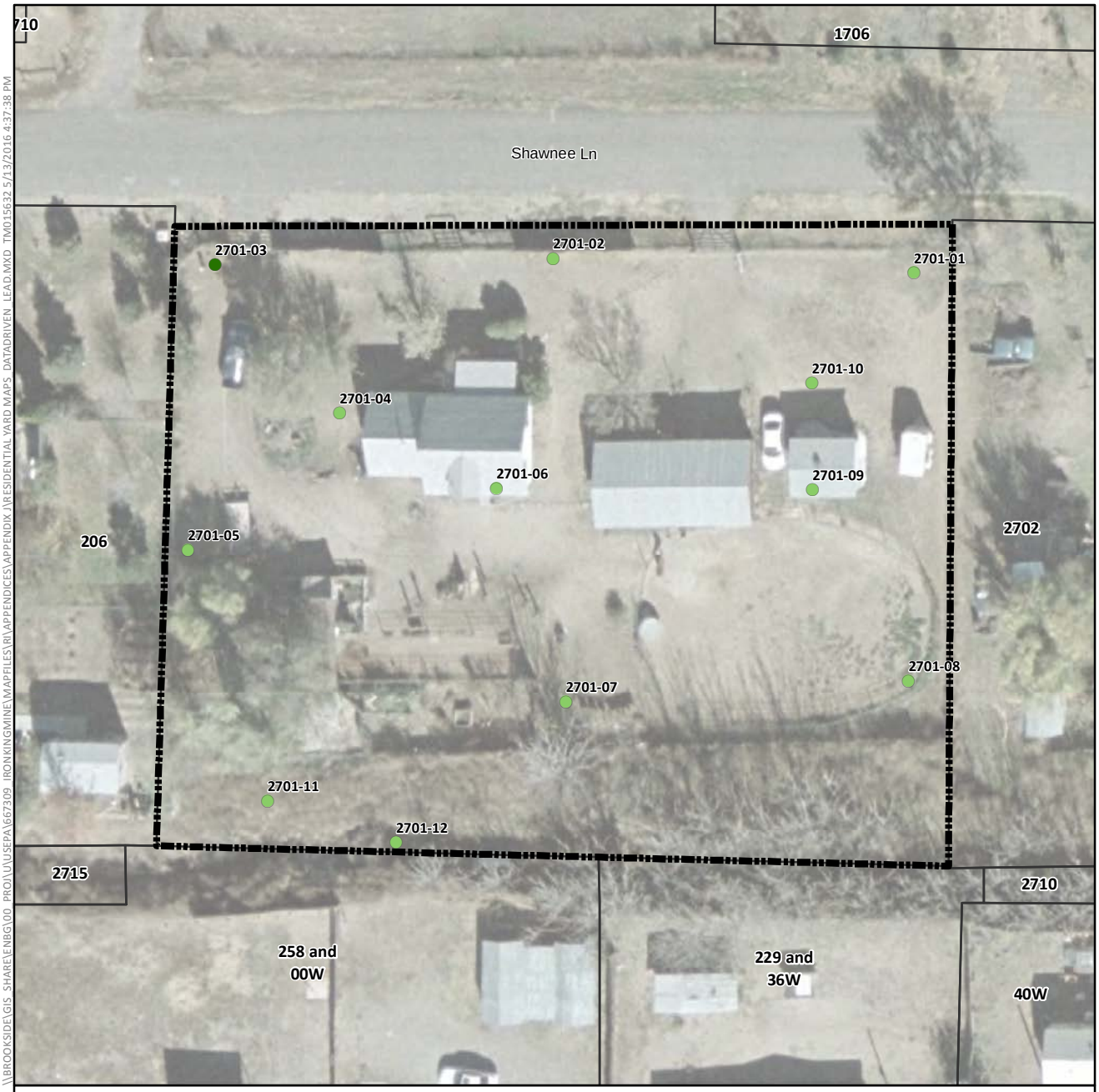


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2693 (Page 413 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



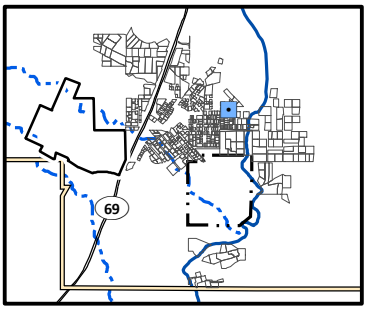
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

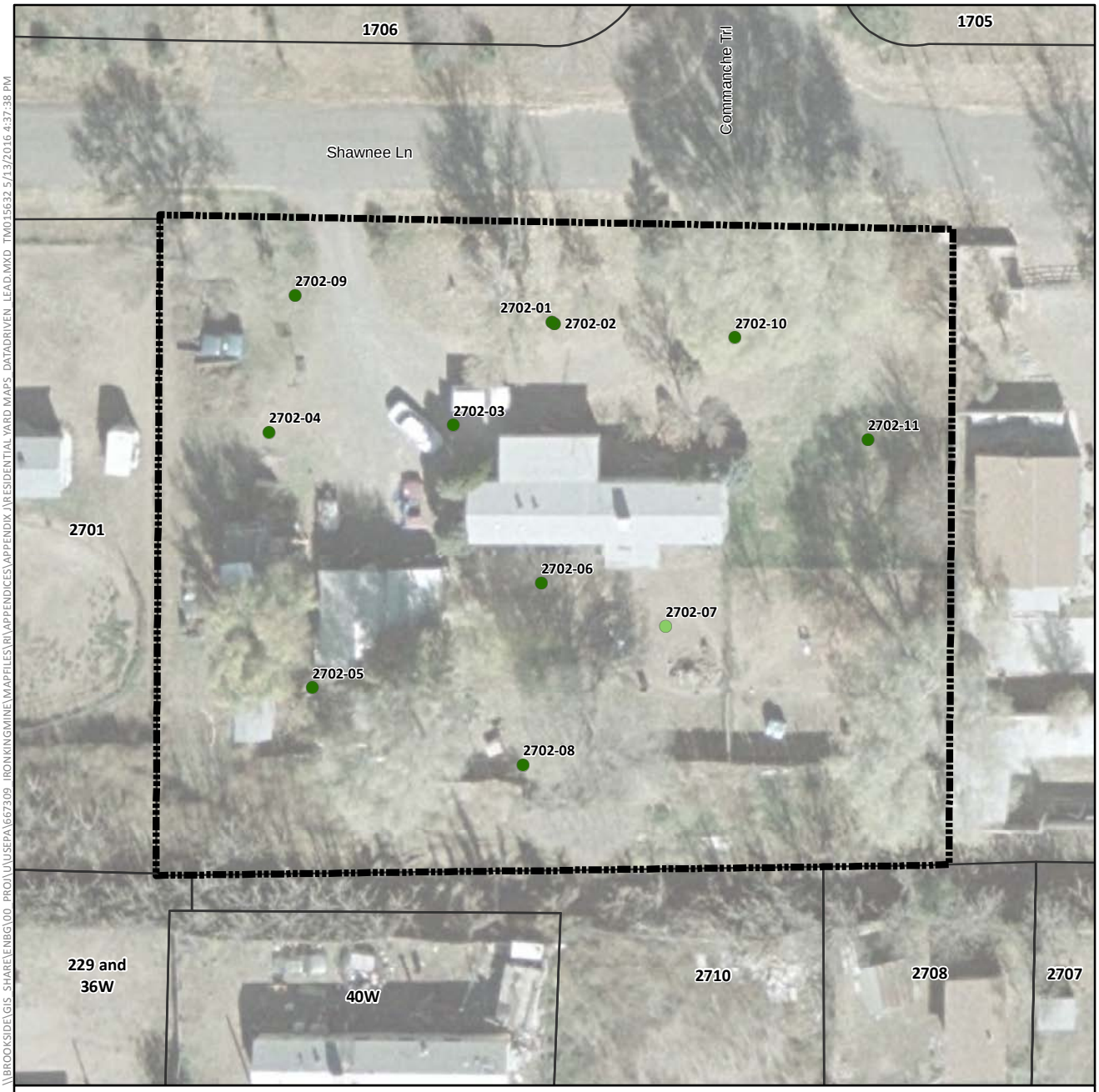
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2701 (Page 414 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



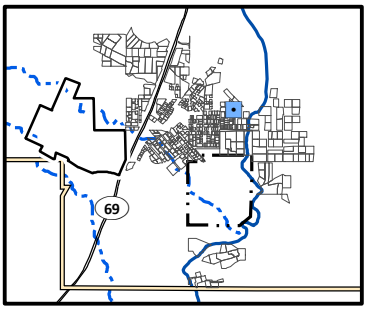
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

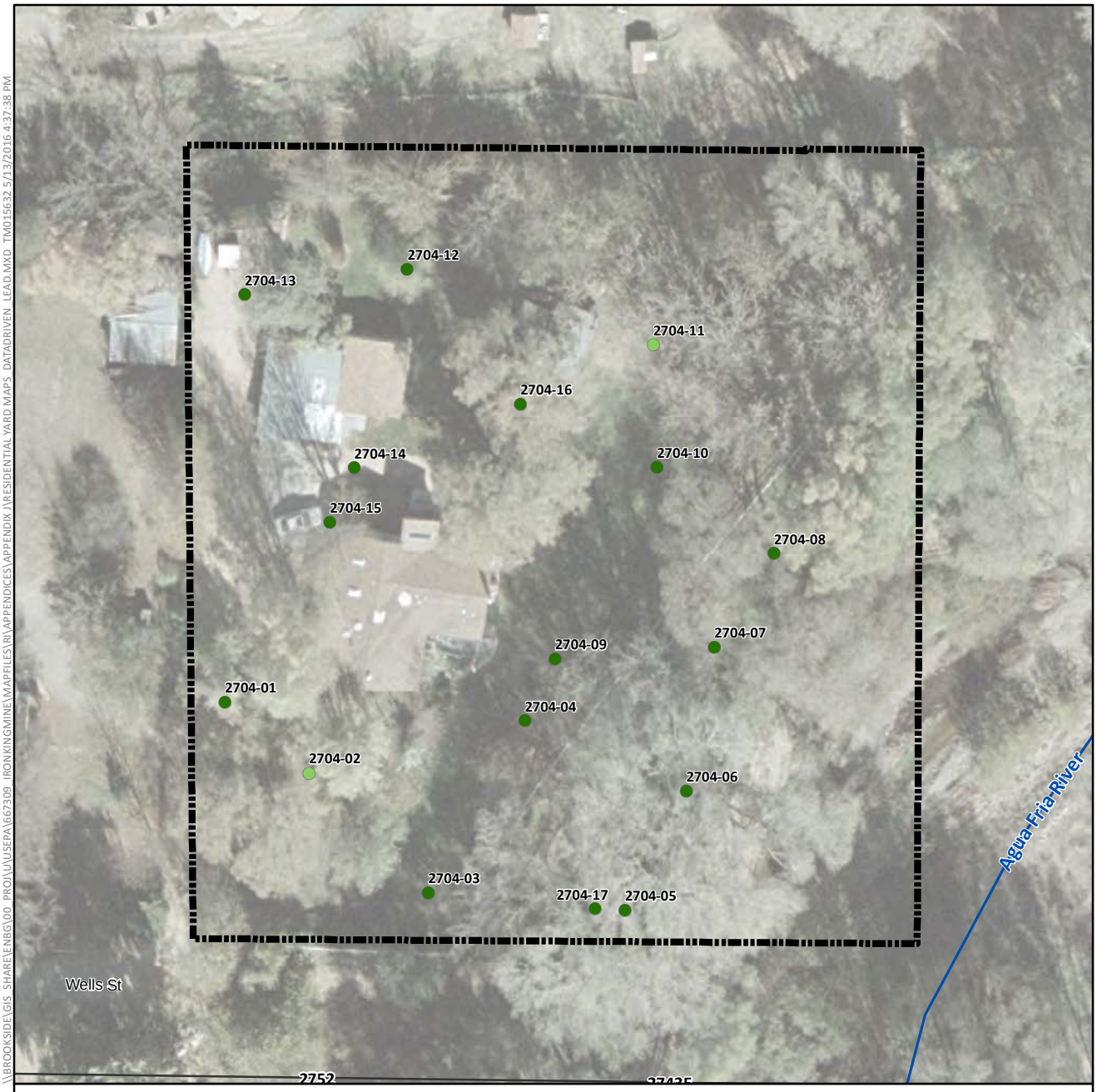
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2702 (Page 415 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



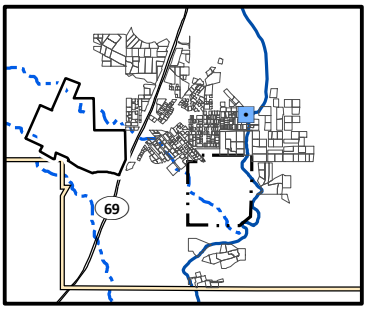
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2704 (Page 416 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



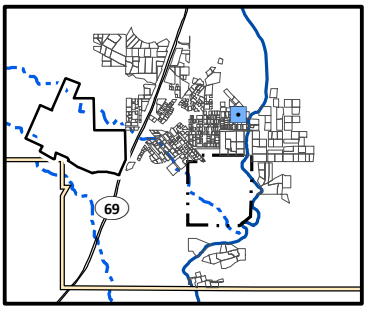
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2707 (Page 417 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



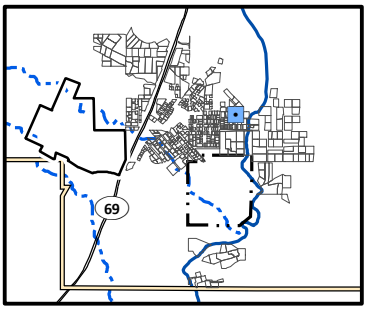
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2708 (Page 418 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



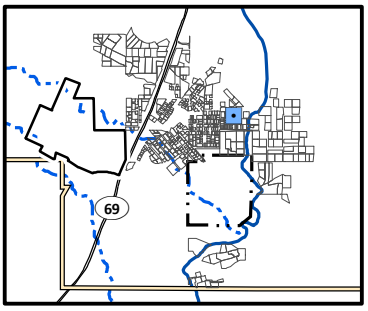
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2709 (Page 419 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



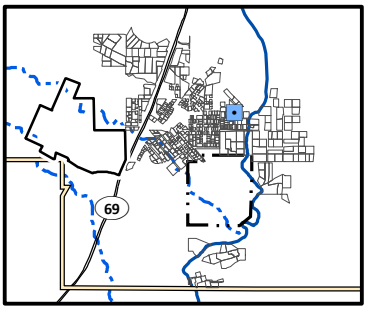
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

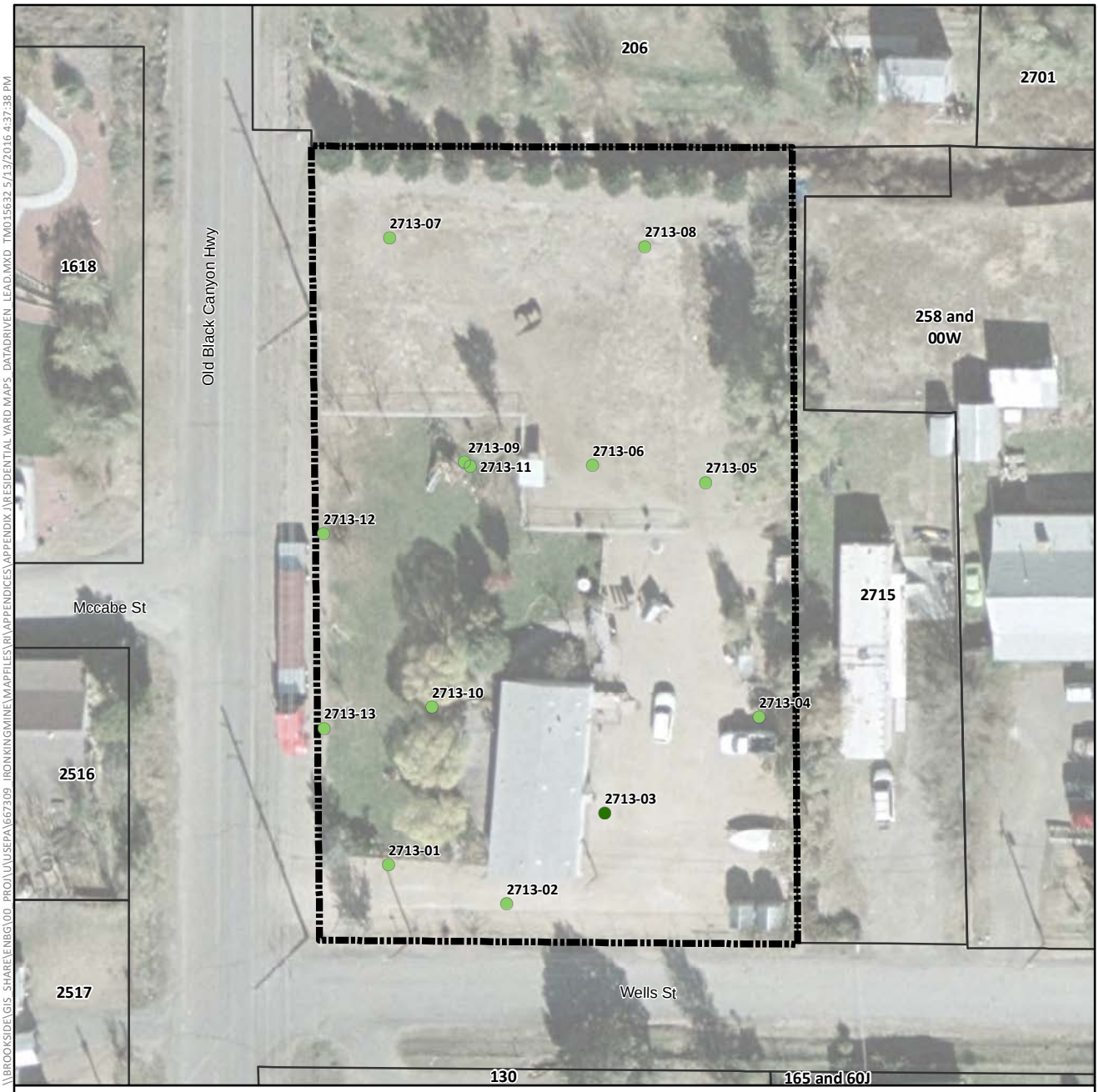


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2710 (Page 420 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



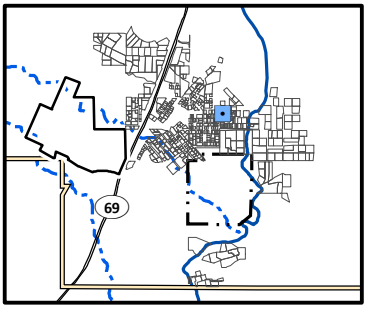
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

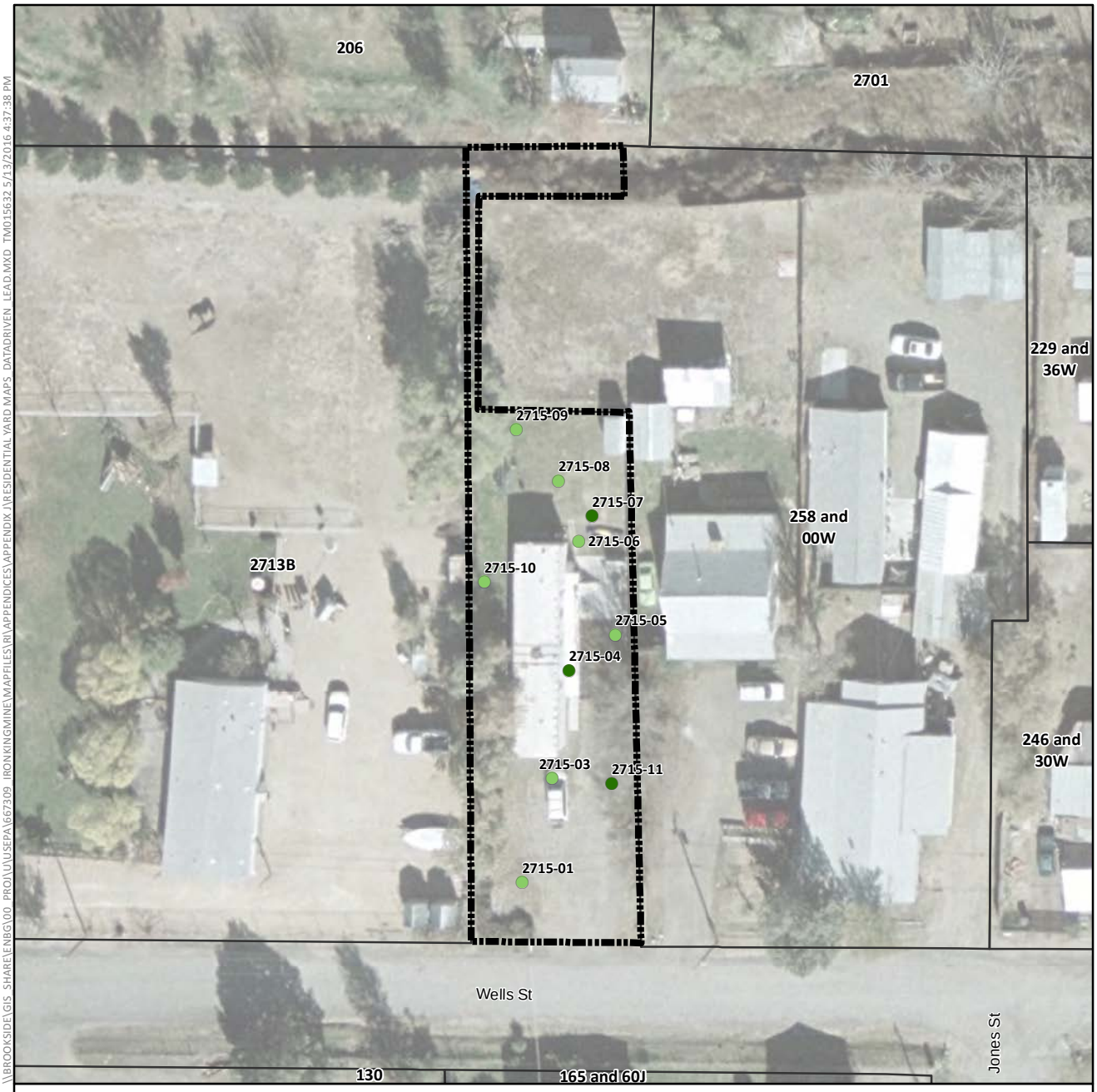
Notes:
RSL = EPA Regional Screening Level.
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2713B (Page 421 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



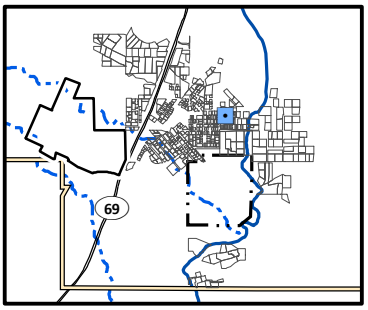
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

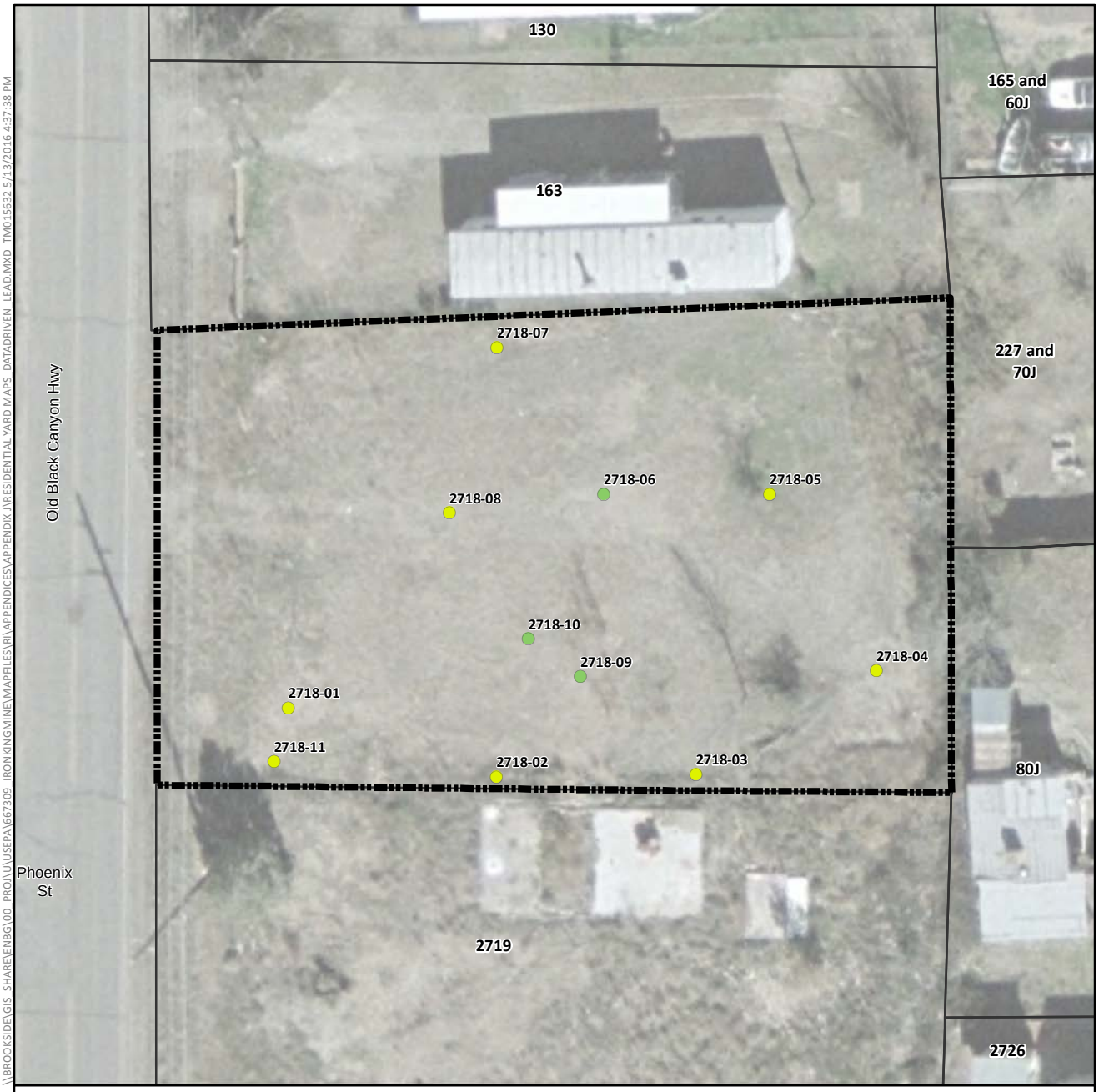
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2715 (Page 422 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



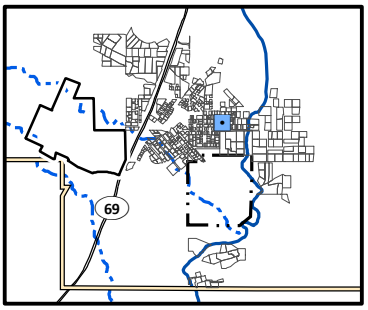
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2718 (Page 423 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



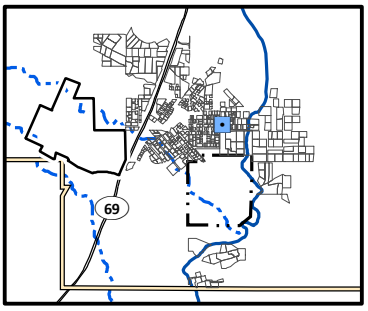
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2719 (Page 424 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



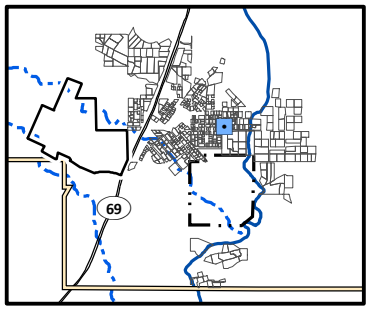
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

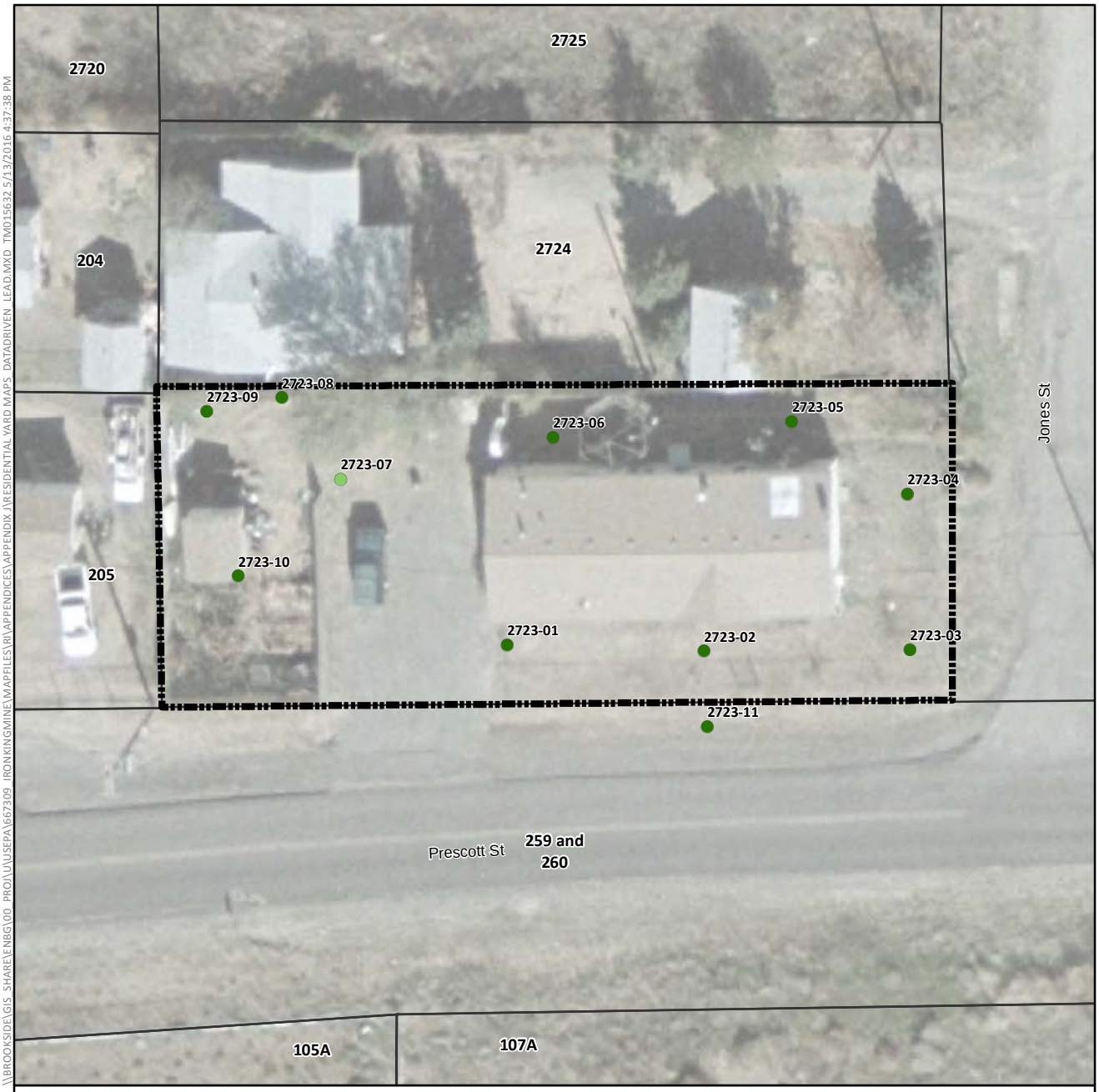


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2720 (Page 425 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



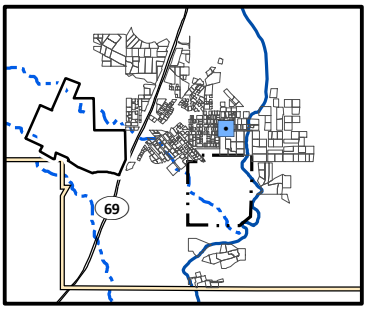
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

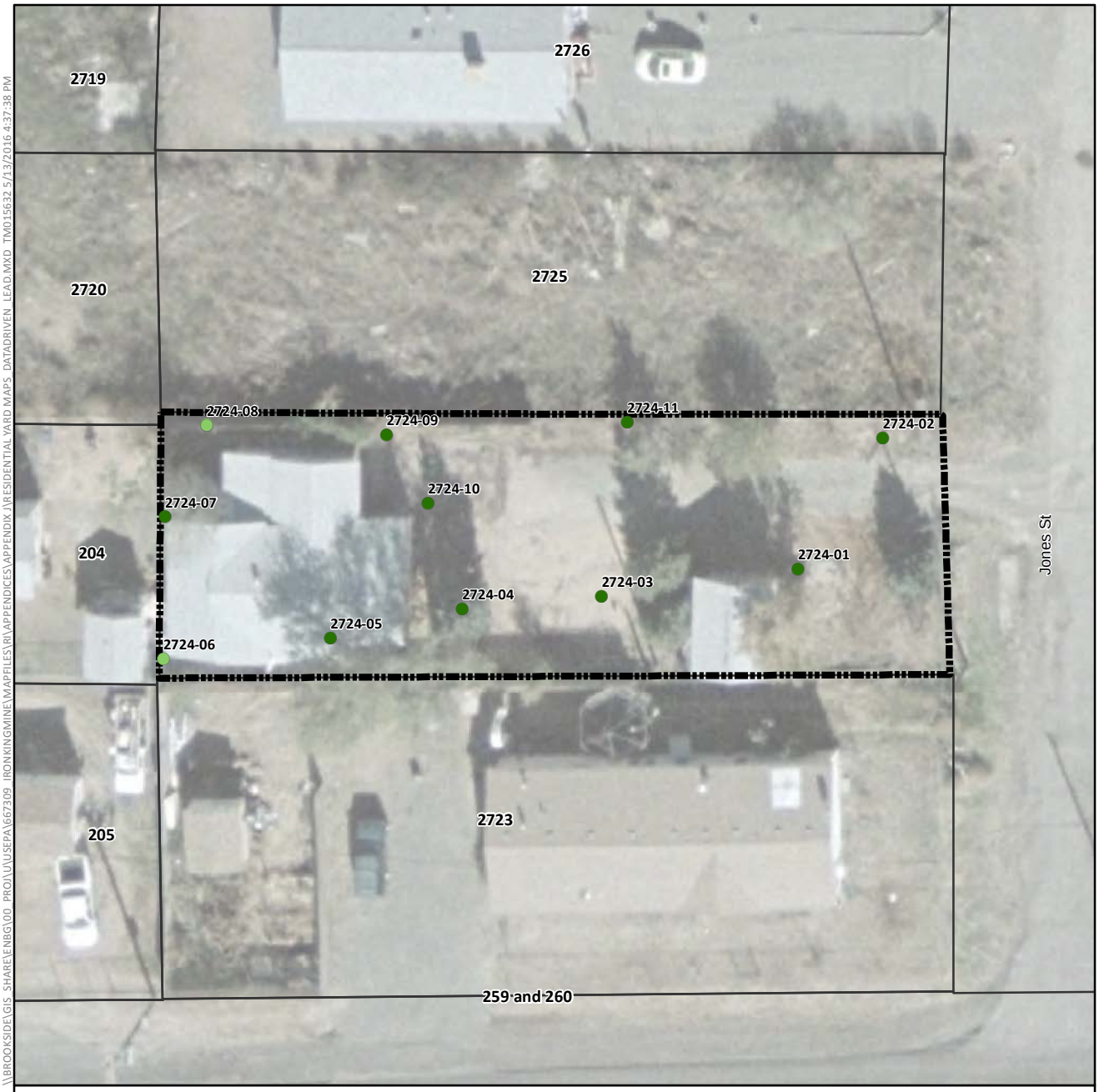


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2723 (Page 426 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



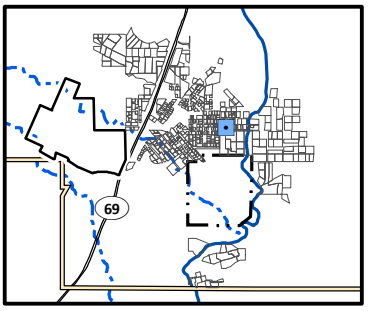
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

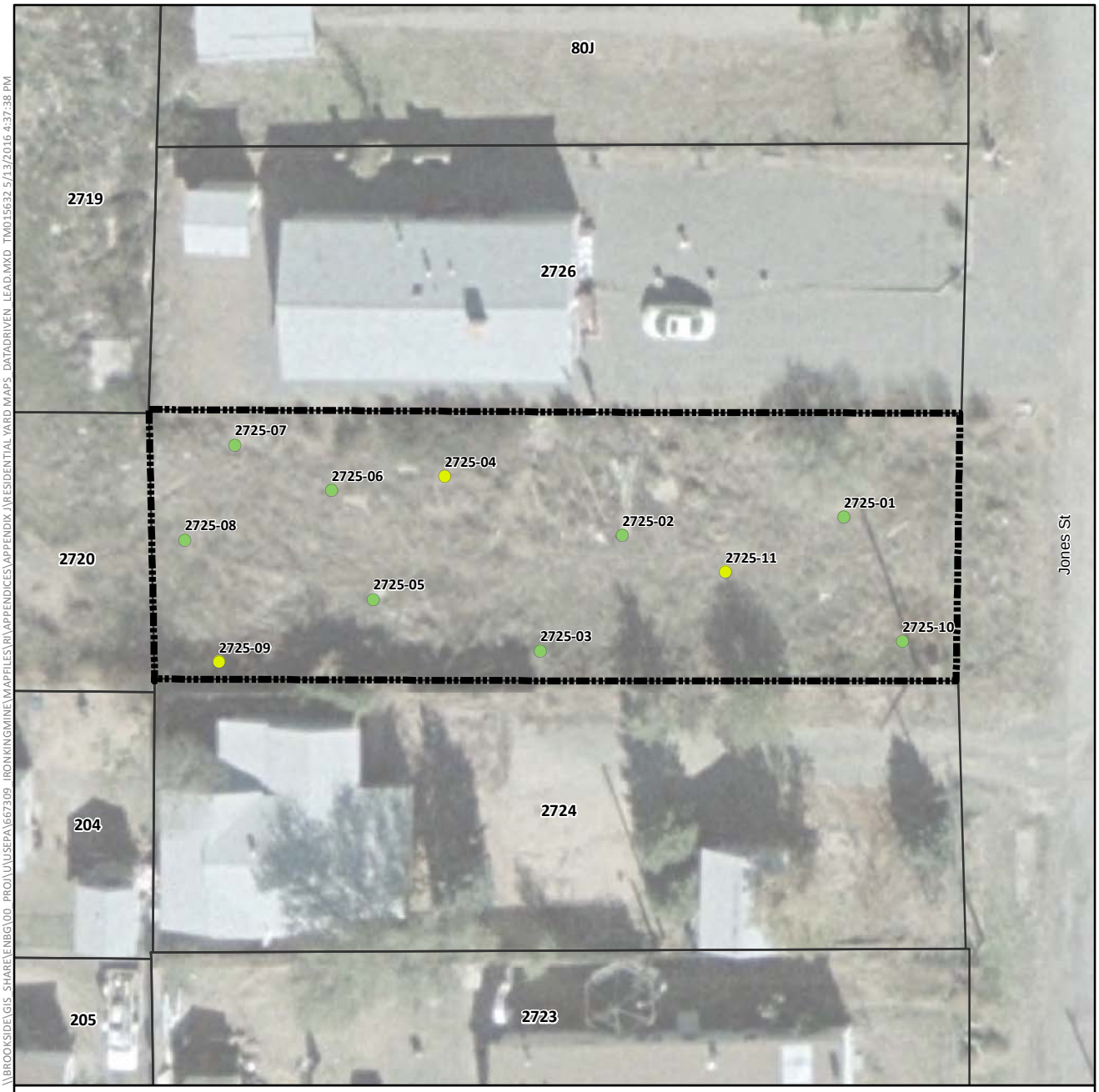
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2724 (Page 427 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



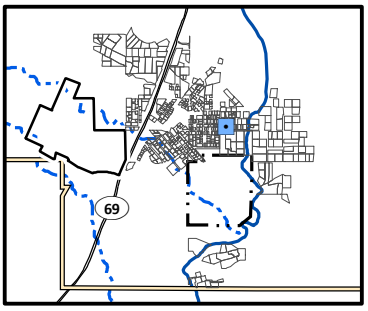
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

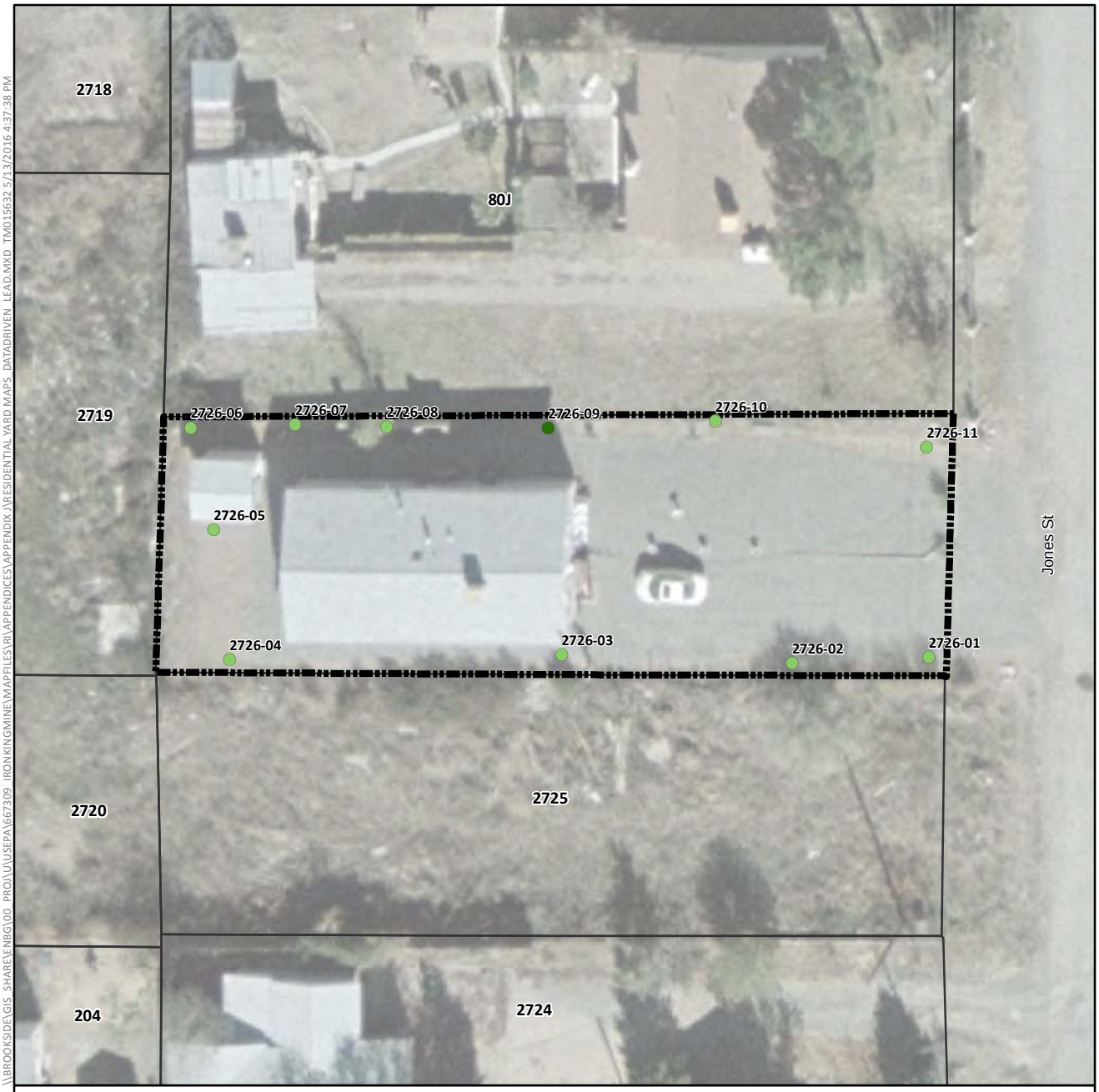


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2725 (Page 428 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



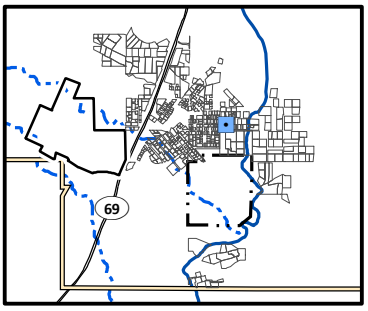
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2726 (Page 429 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



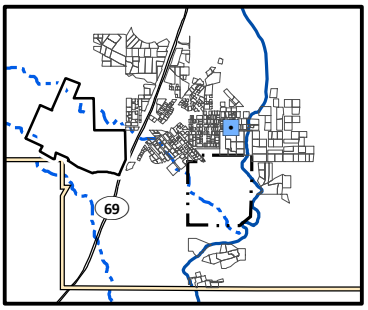
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

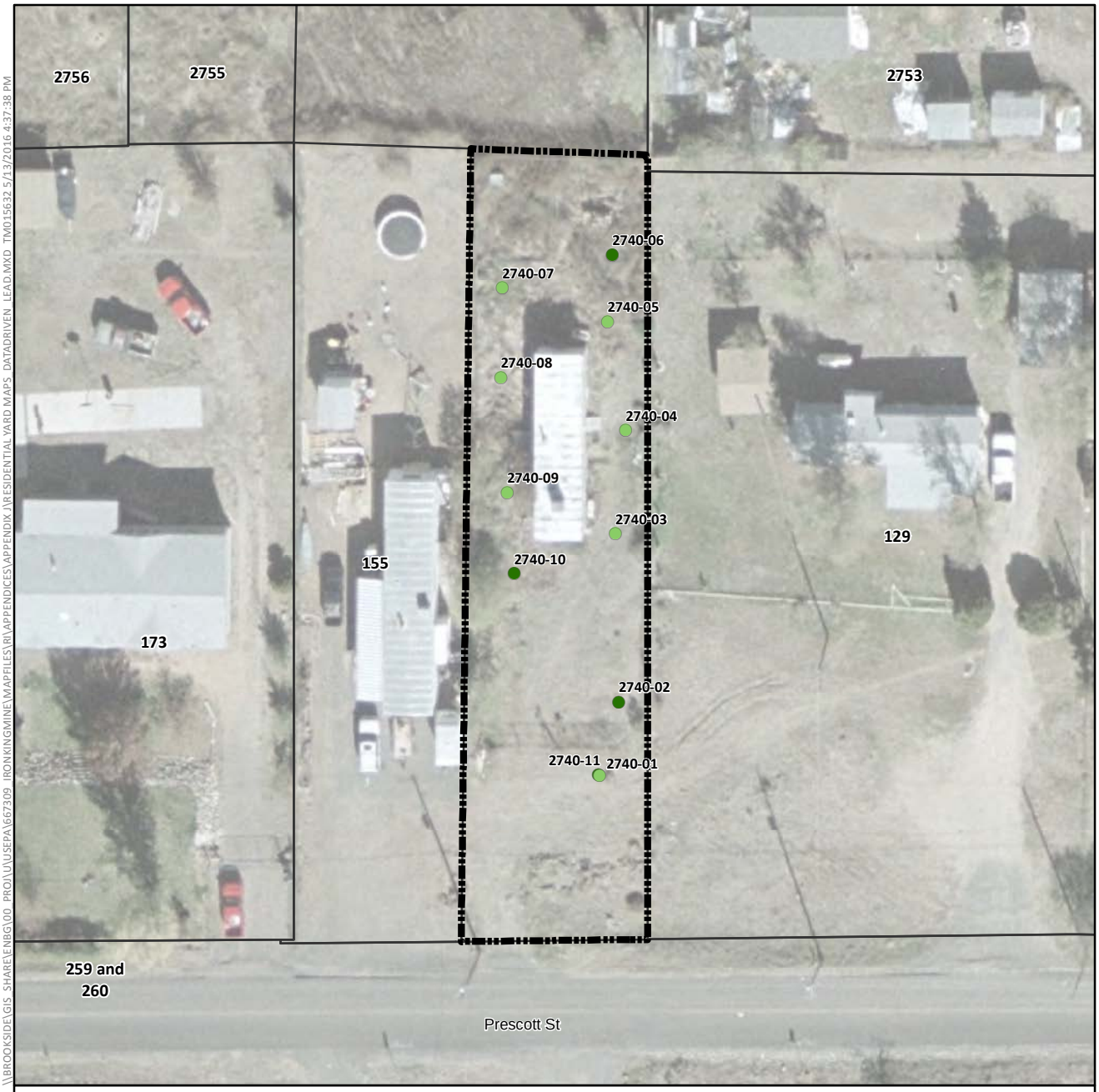
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2736 (Page 430 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



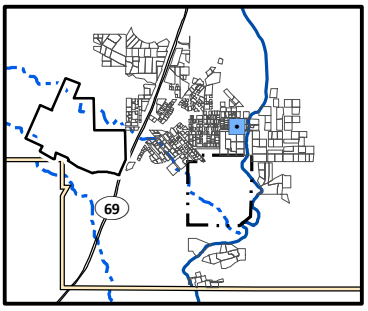
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

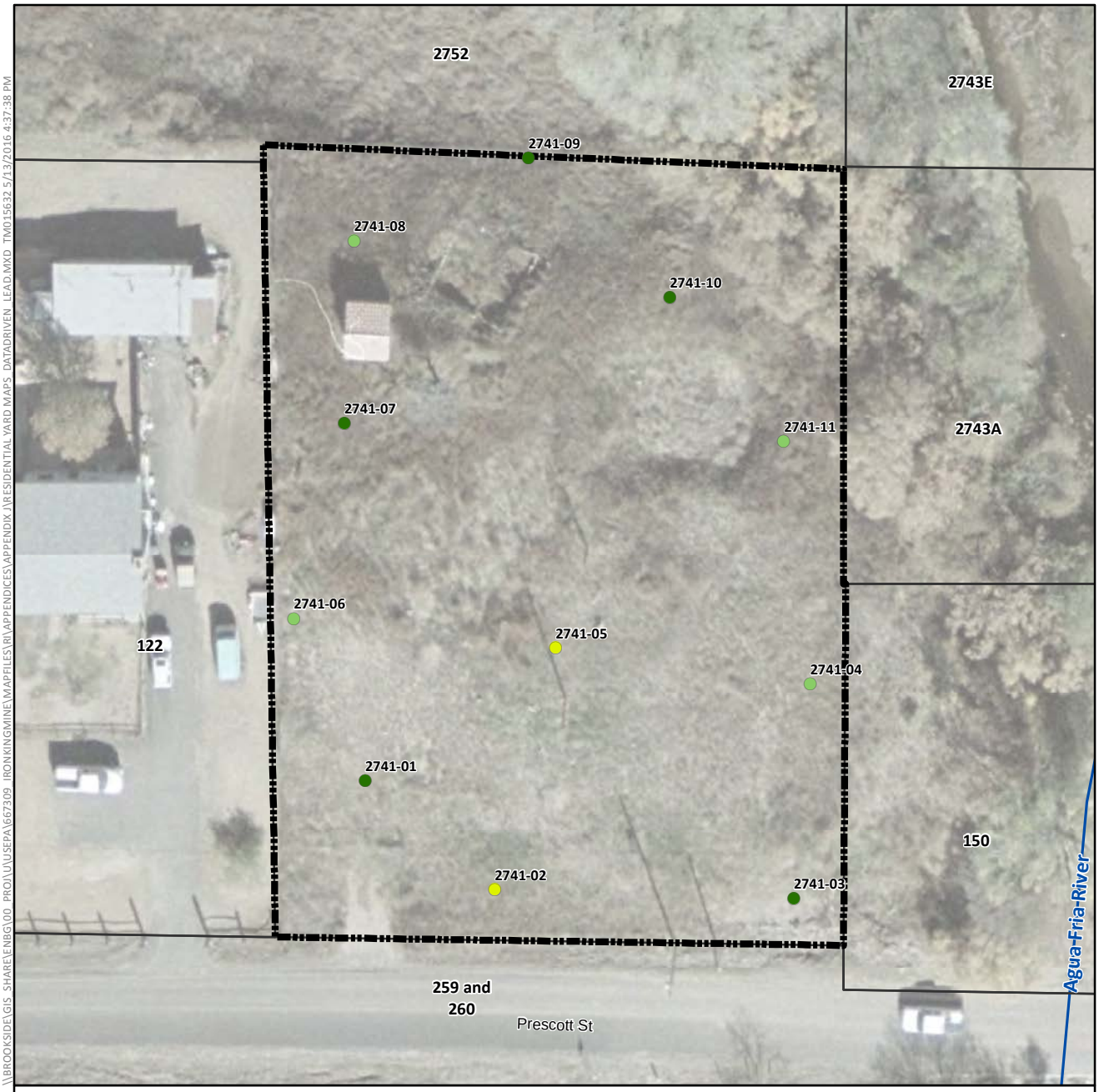
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2740 (Page 431 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



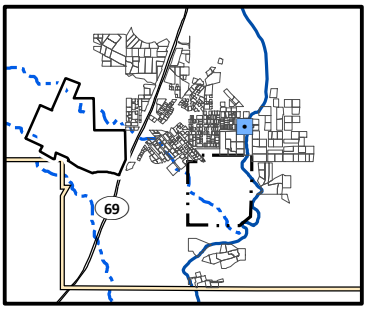
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

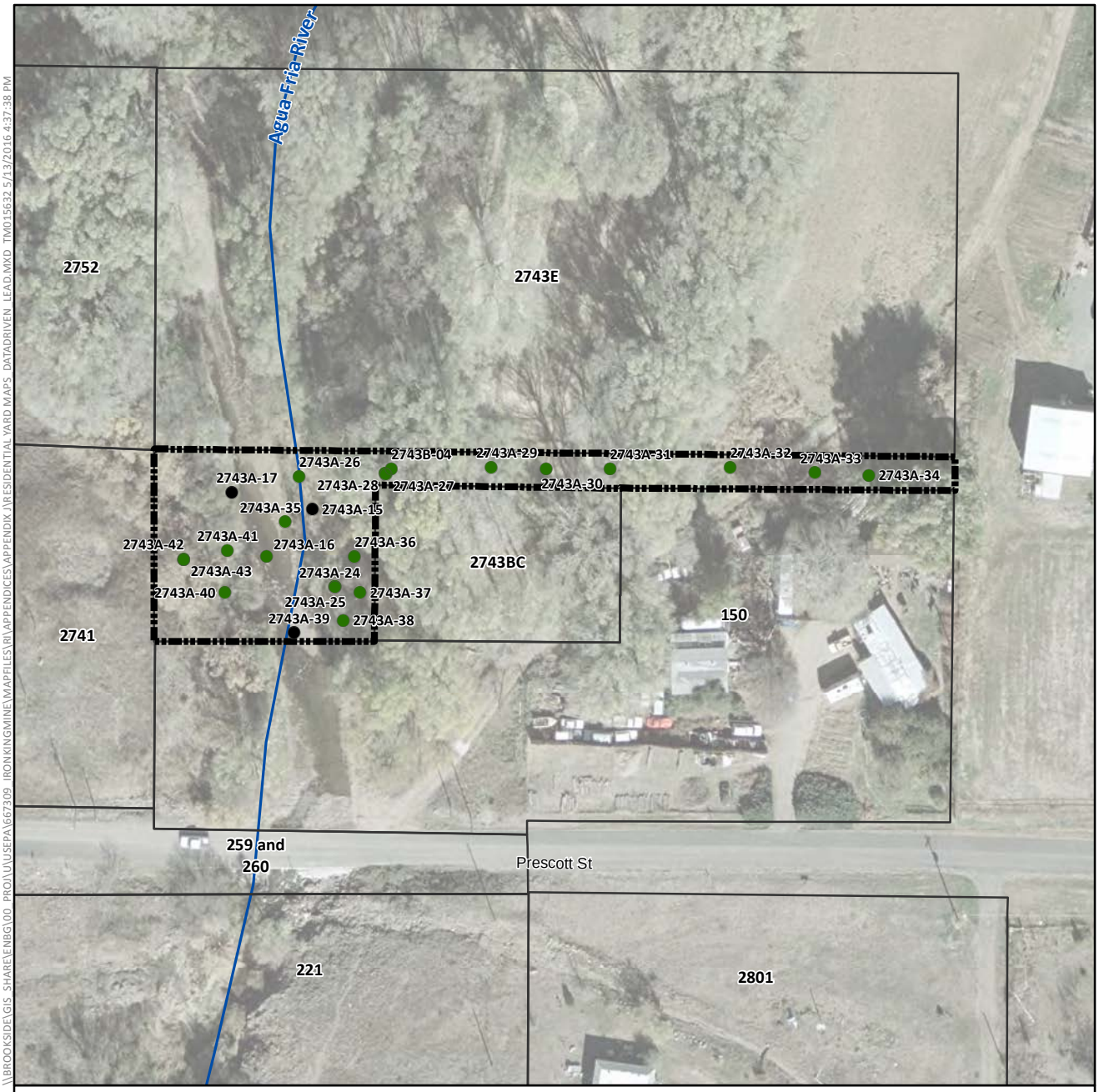
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2741 (Page 432 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



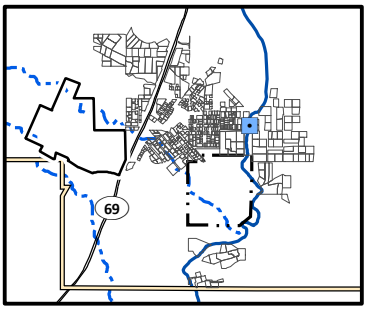
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

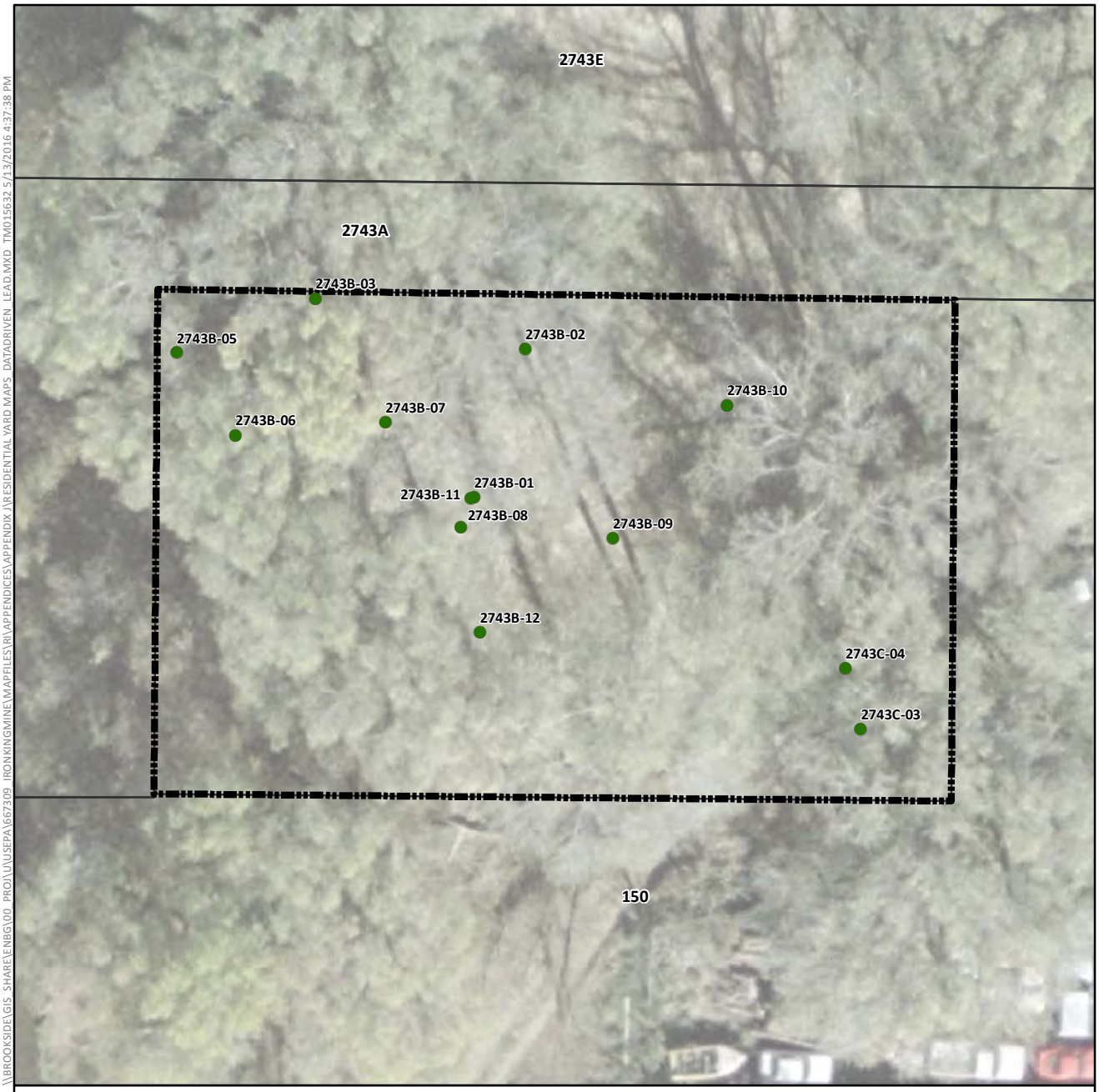


0 150
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2743A (Page 433 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



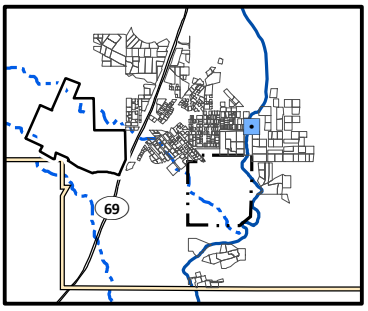
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

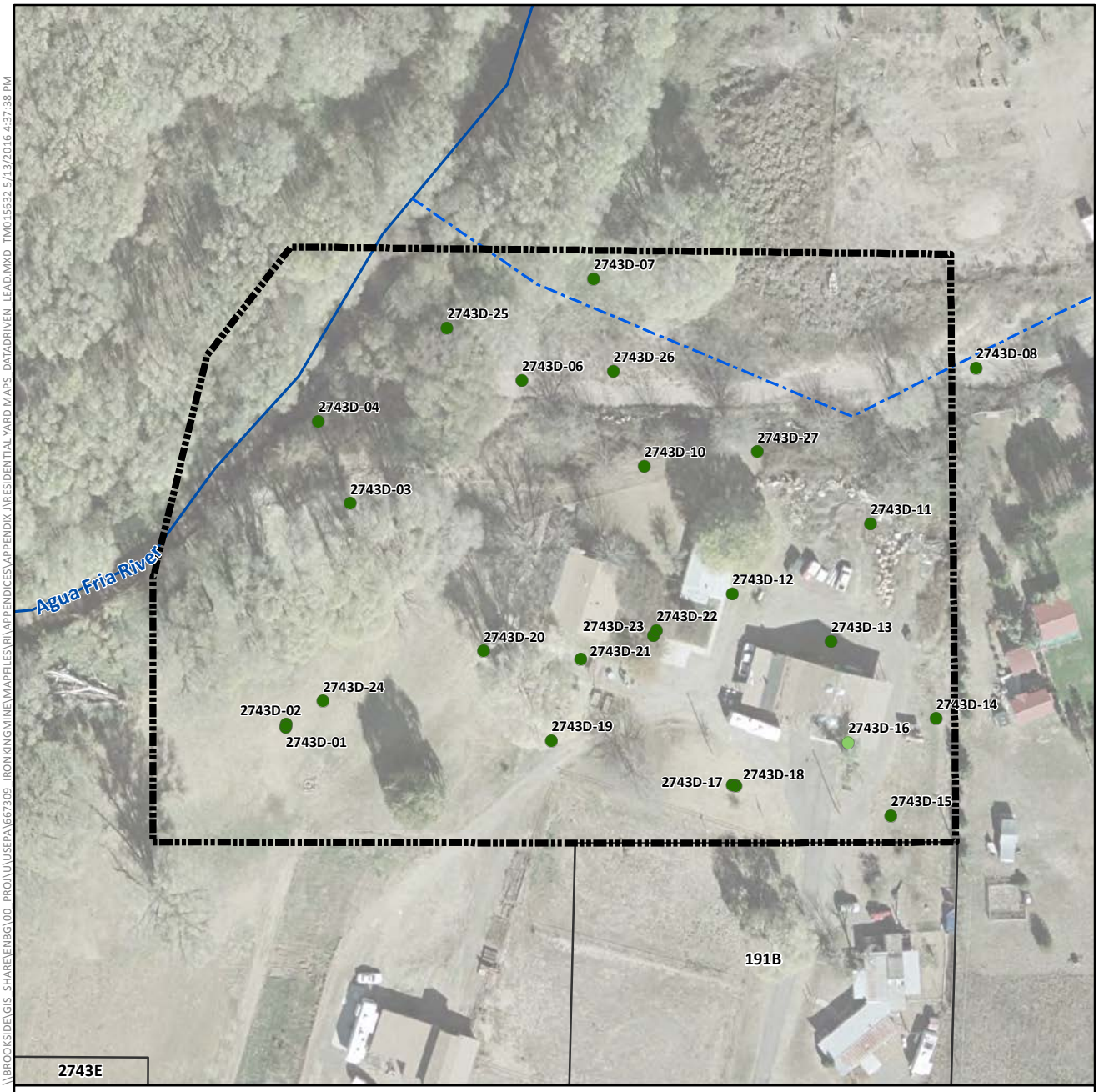


0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2743BC (Page 434 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



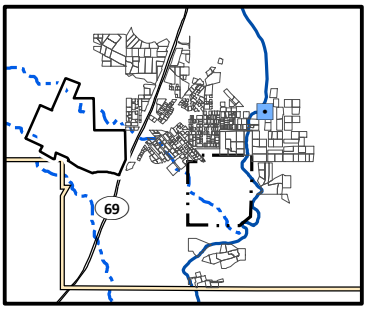
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

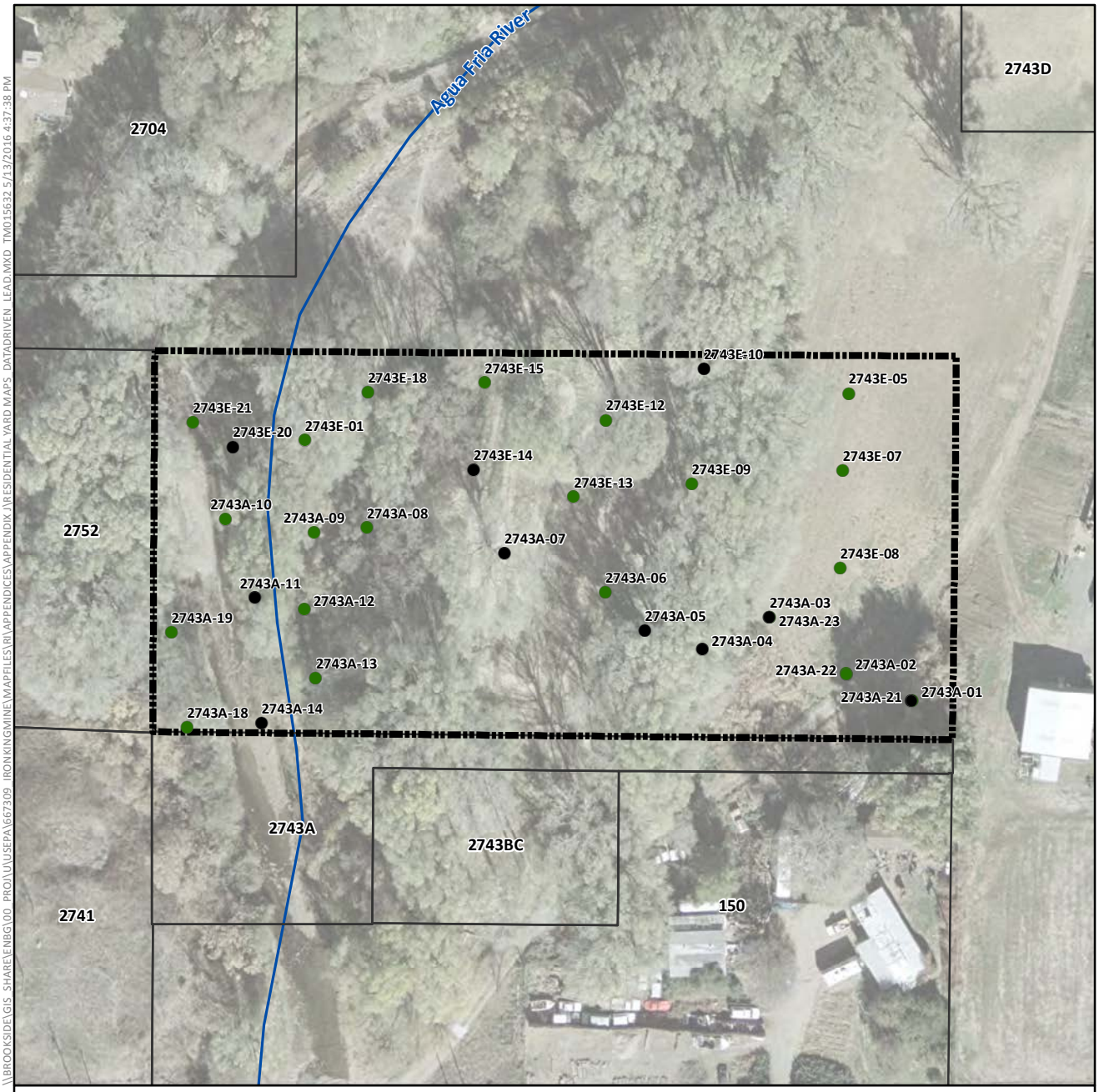
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 160
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2743D (Page 435 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



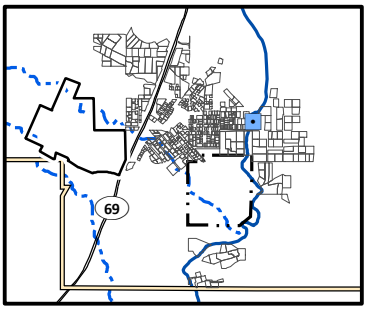
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2743E (Page 436 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



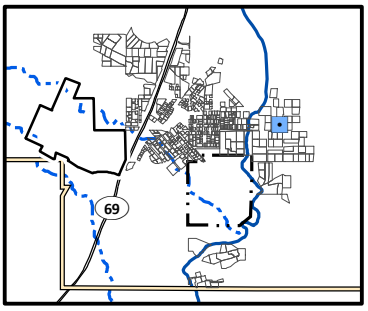
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

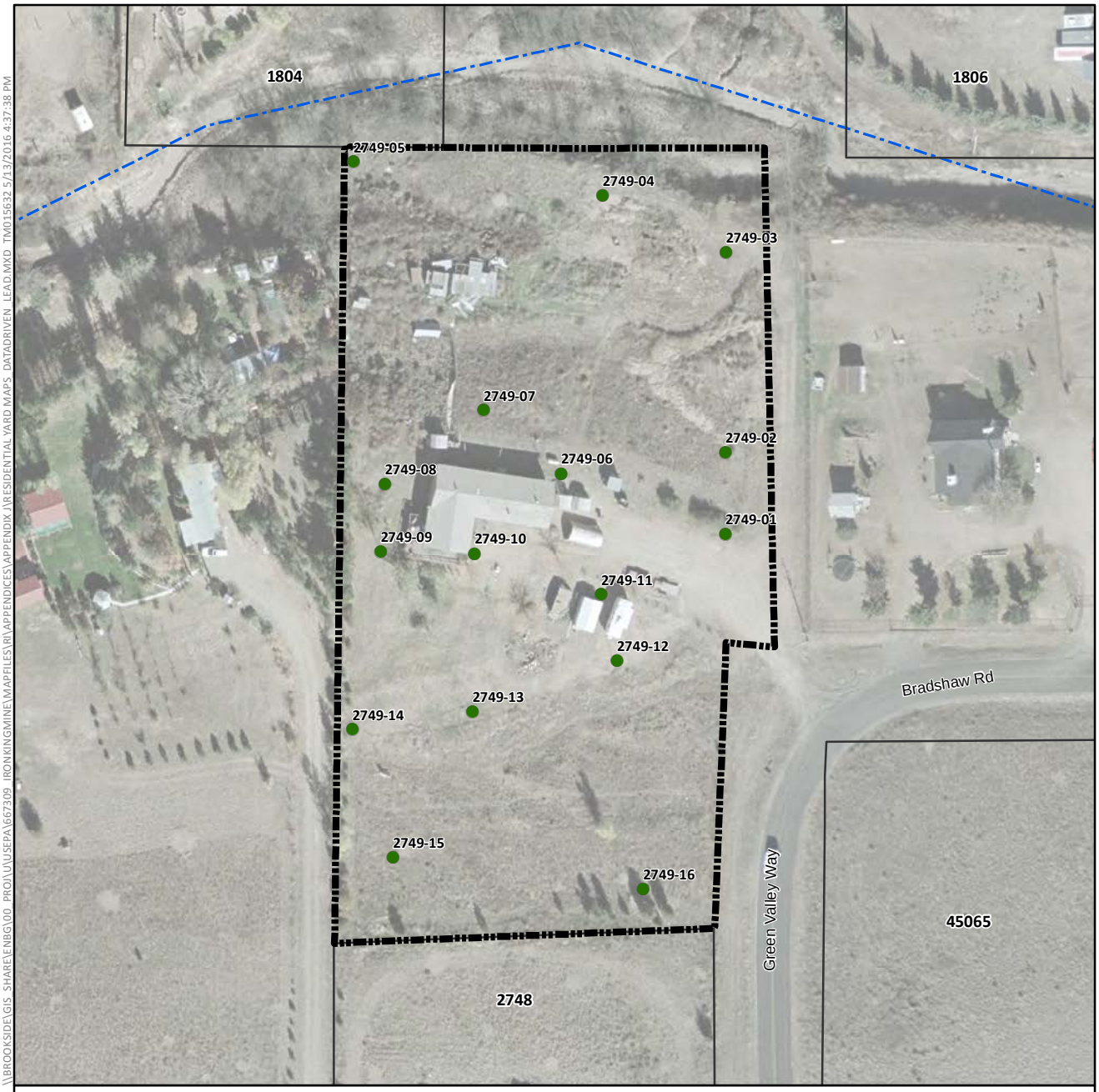
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 150
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2748 (Page 437 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



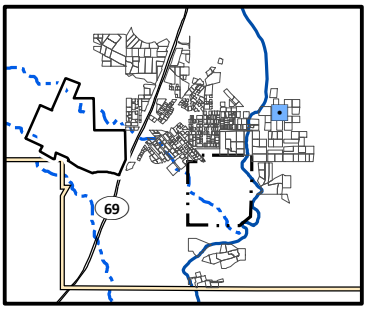
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

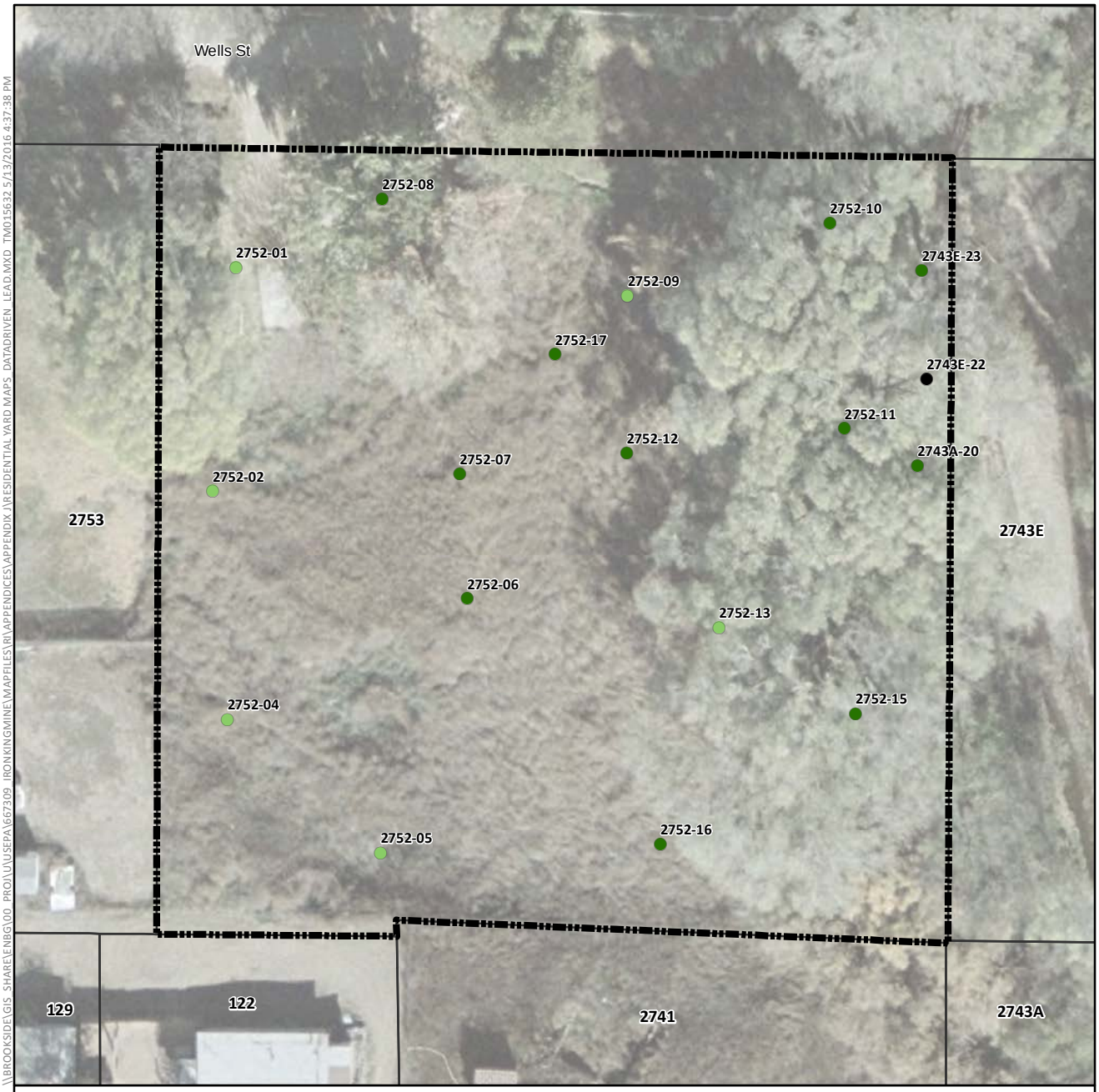


0 160
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2749 (Page 438 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



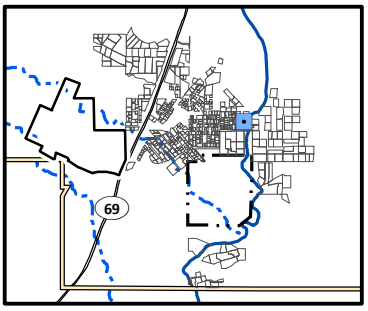
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2752 (Page 439 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



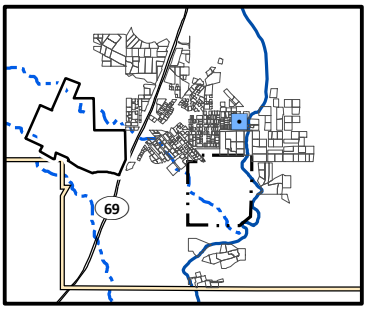
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2753 (Page 440 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



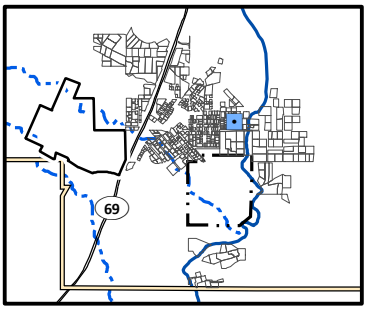
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

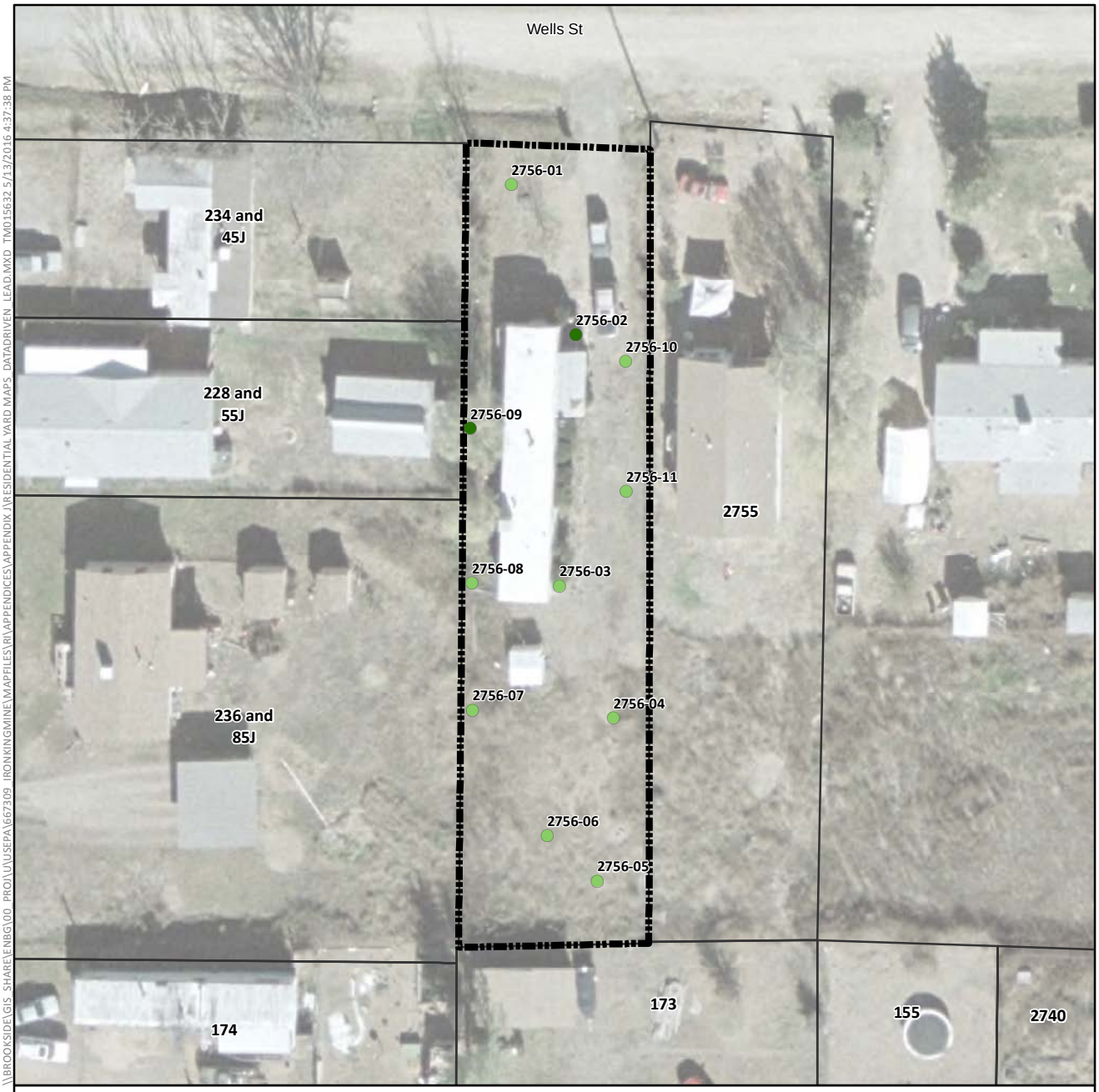
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2755 (Page 441 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



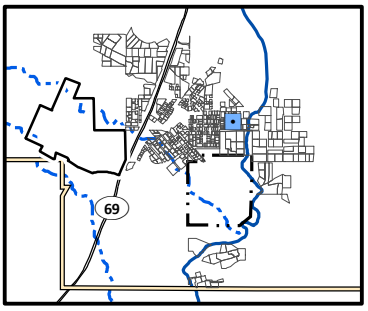
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2756 (Page 442 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



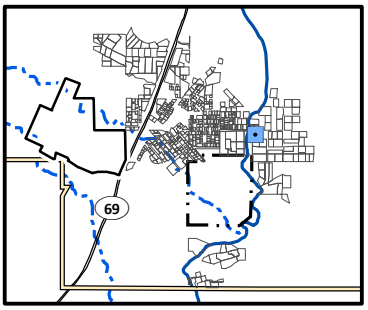
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

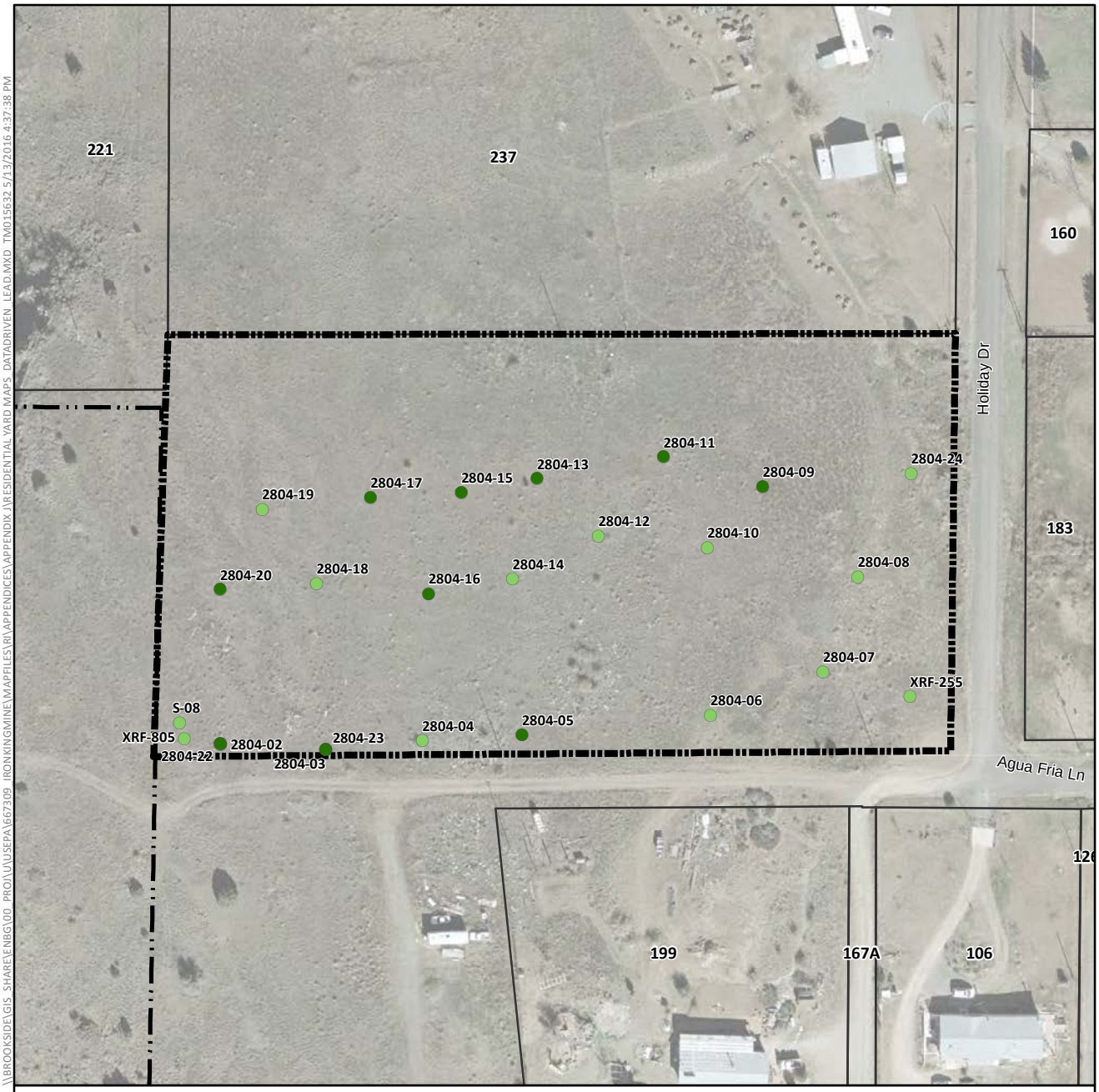
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2801 (Page 443 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



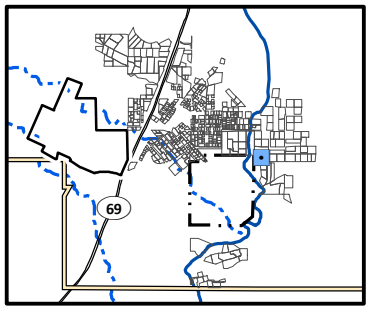
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

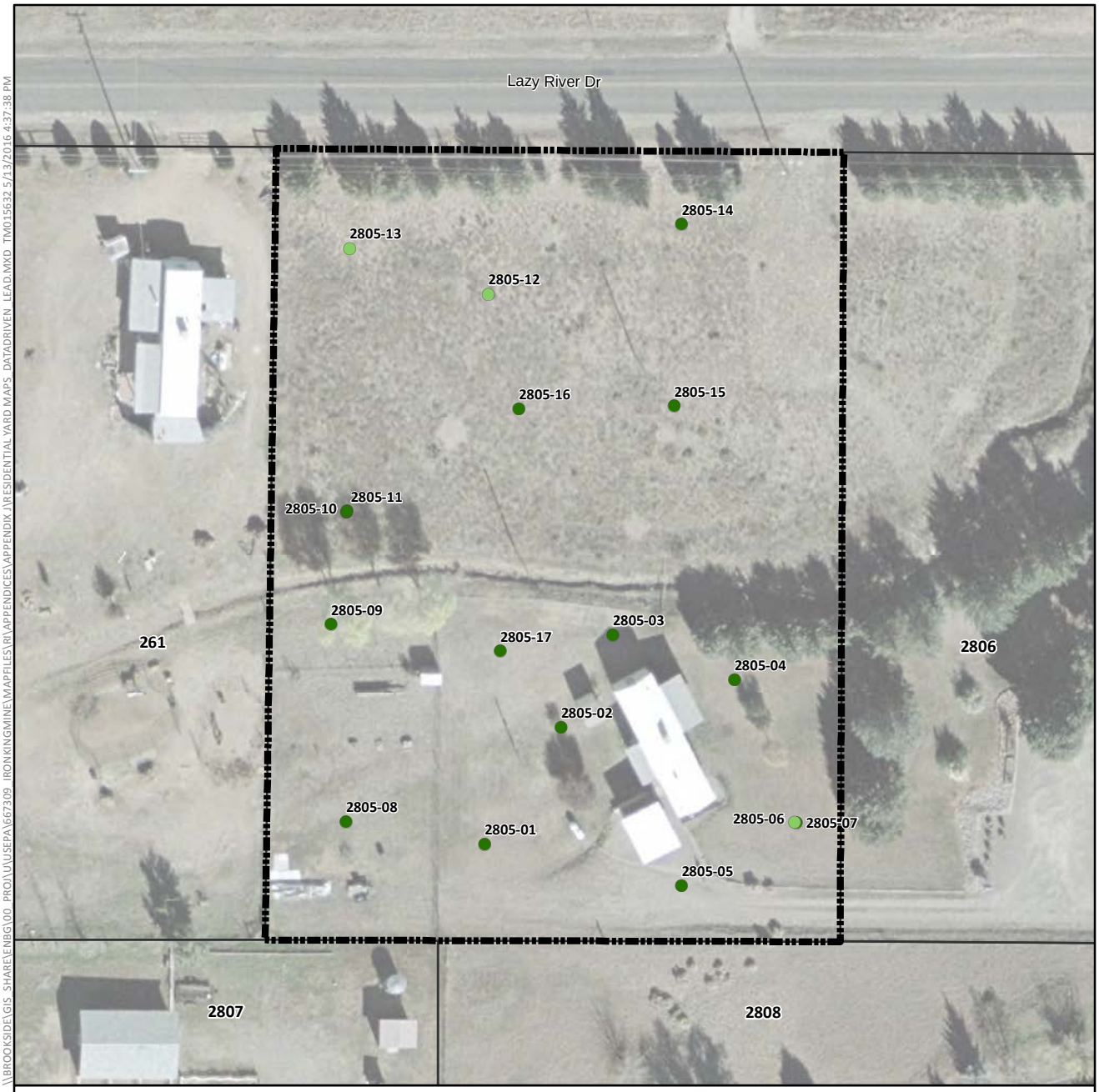
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 200
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2804 (Page 444 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



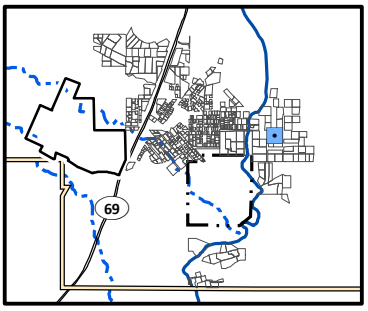
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2805 (Page 445 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



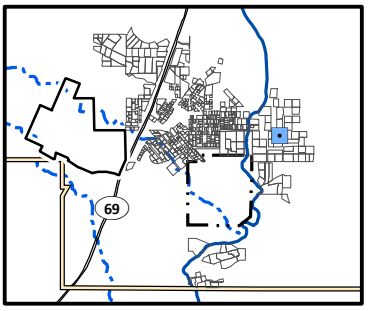
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

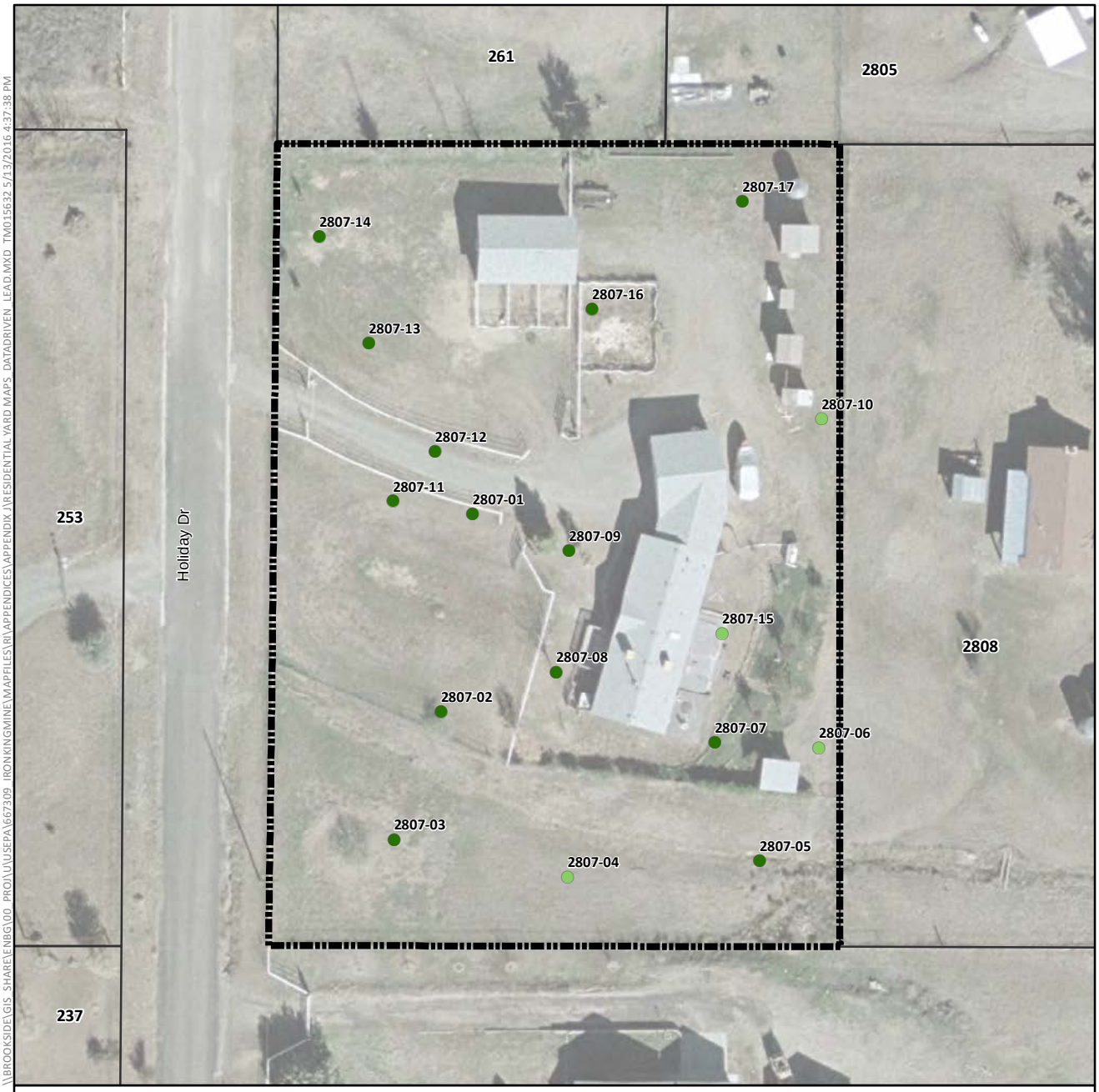
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2806 (Page 446 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



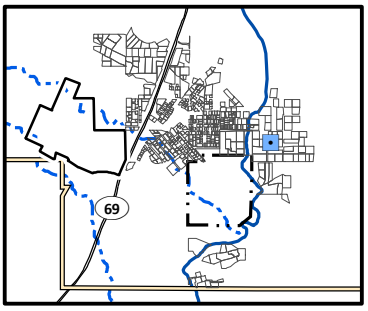
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

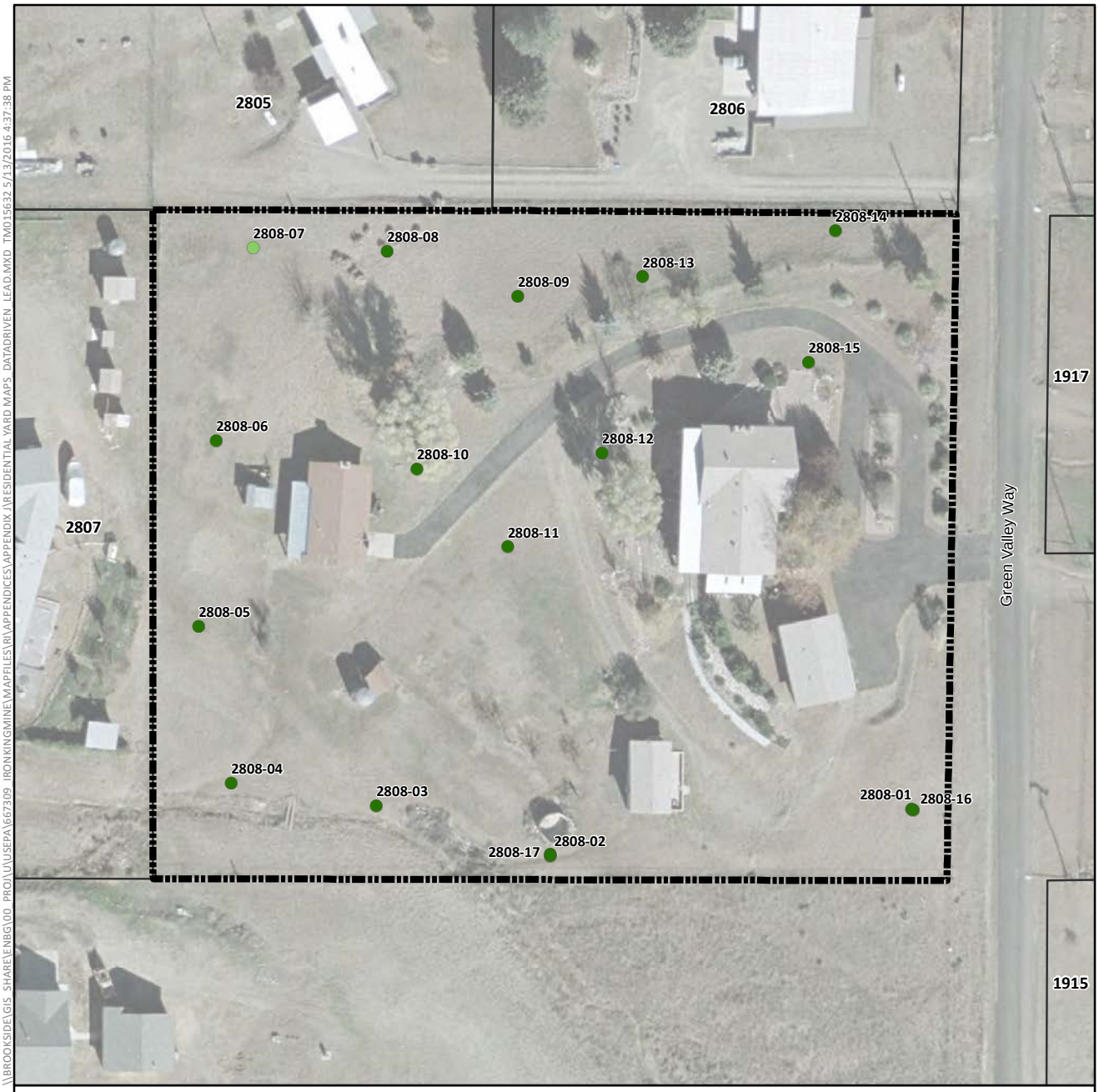


0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 2807 (Page 447 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



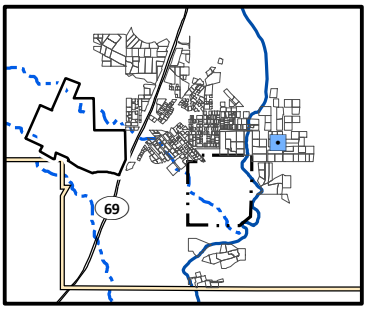
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 120
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2808 (Page 448 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



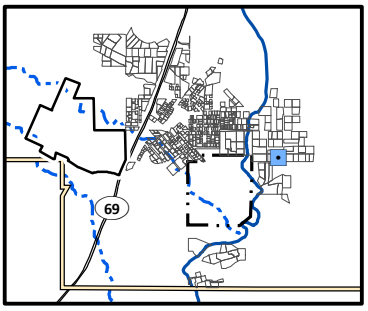
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

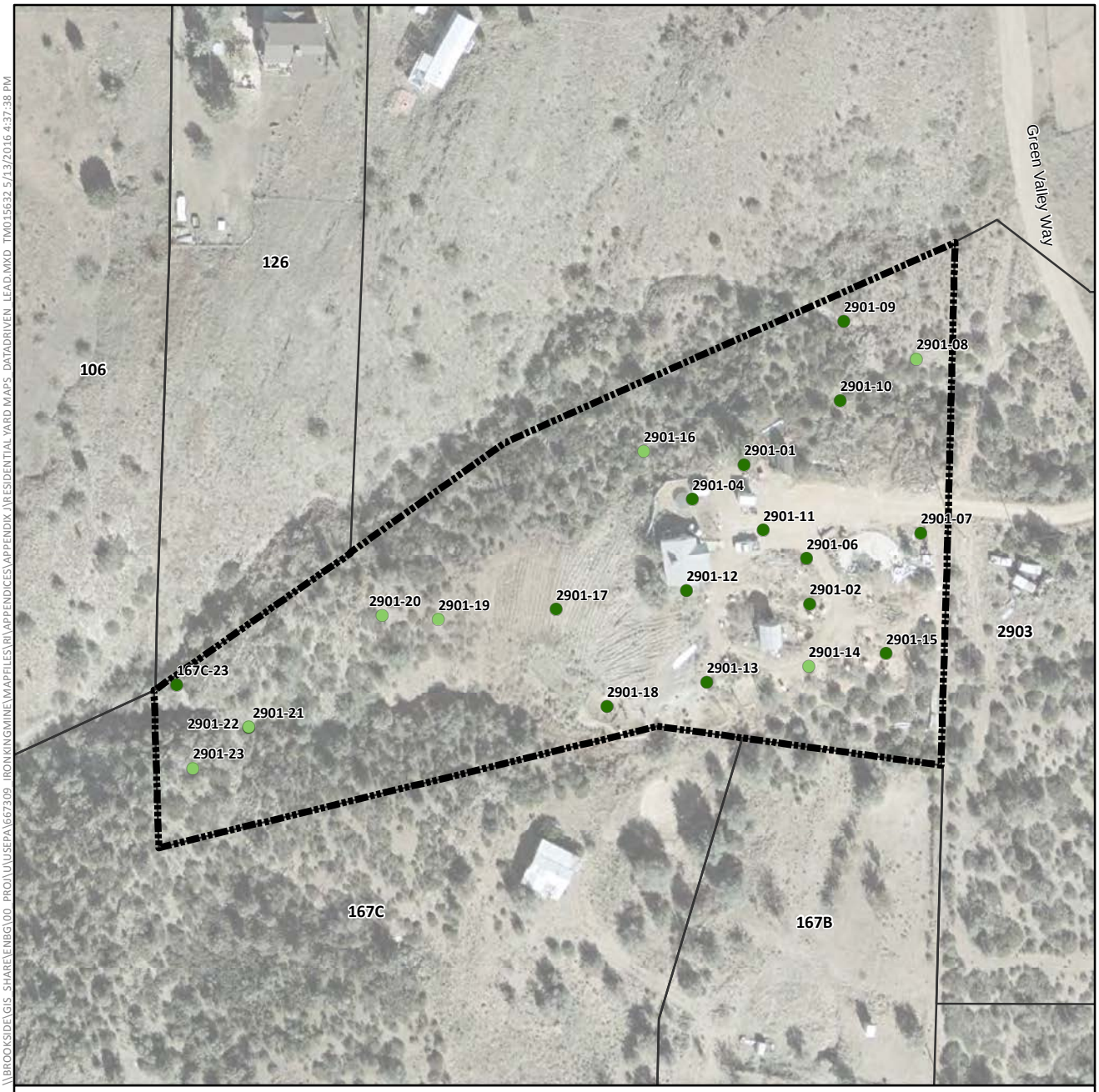
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2810 (Page 449 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



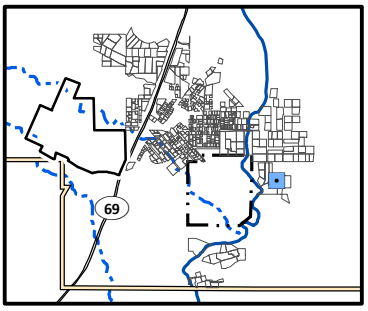
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

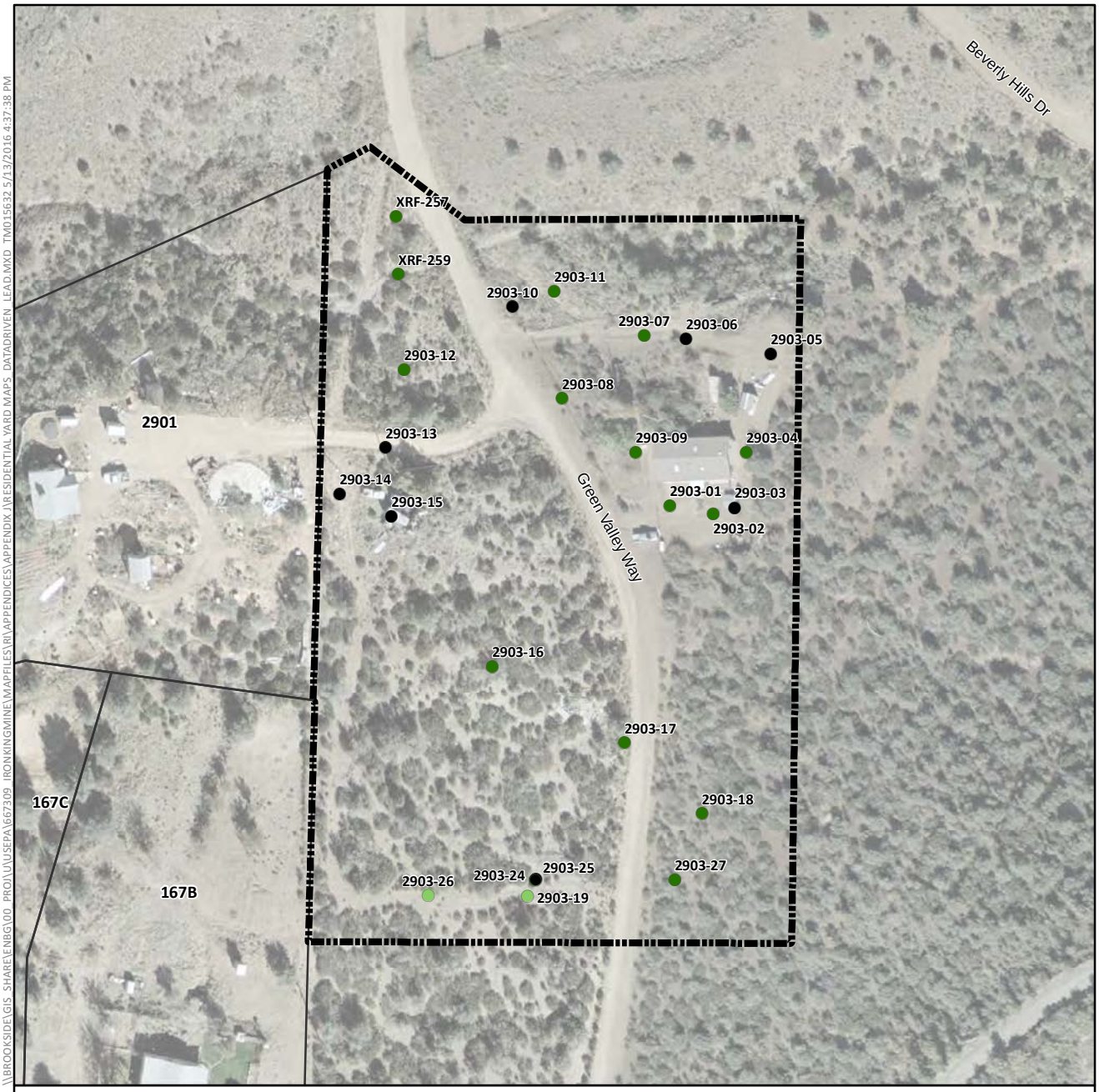
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 190
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2901 (Page 450 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



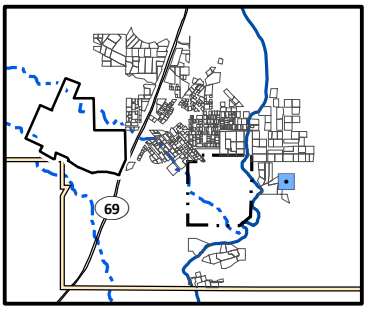
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

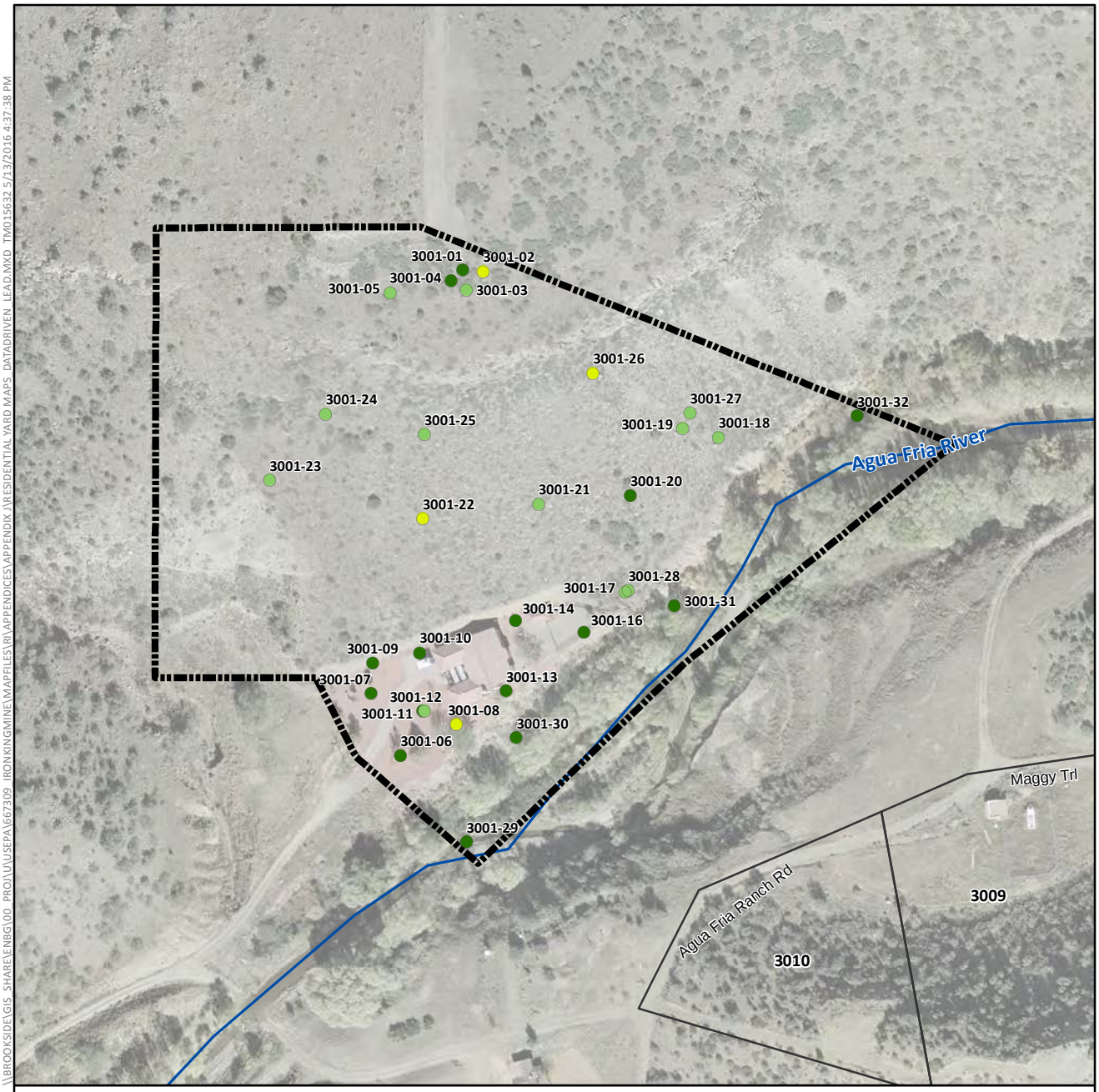
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 180
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 2903 (Page 451 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



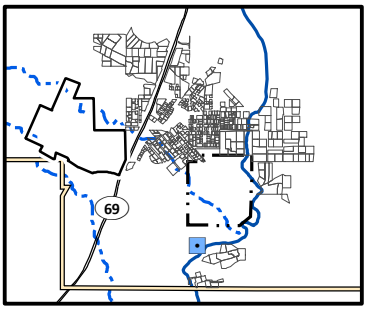
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

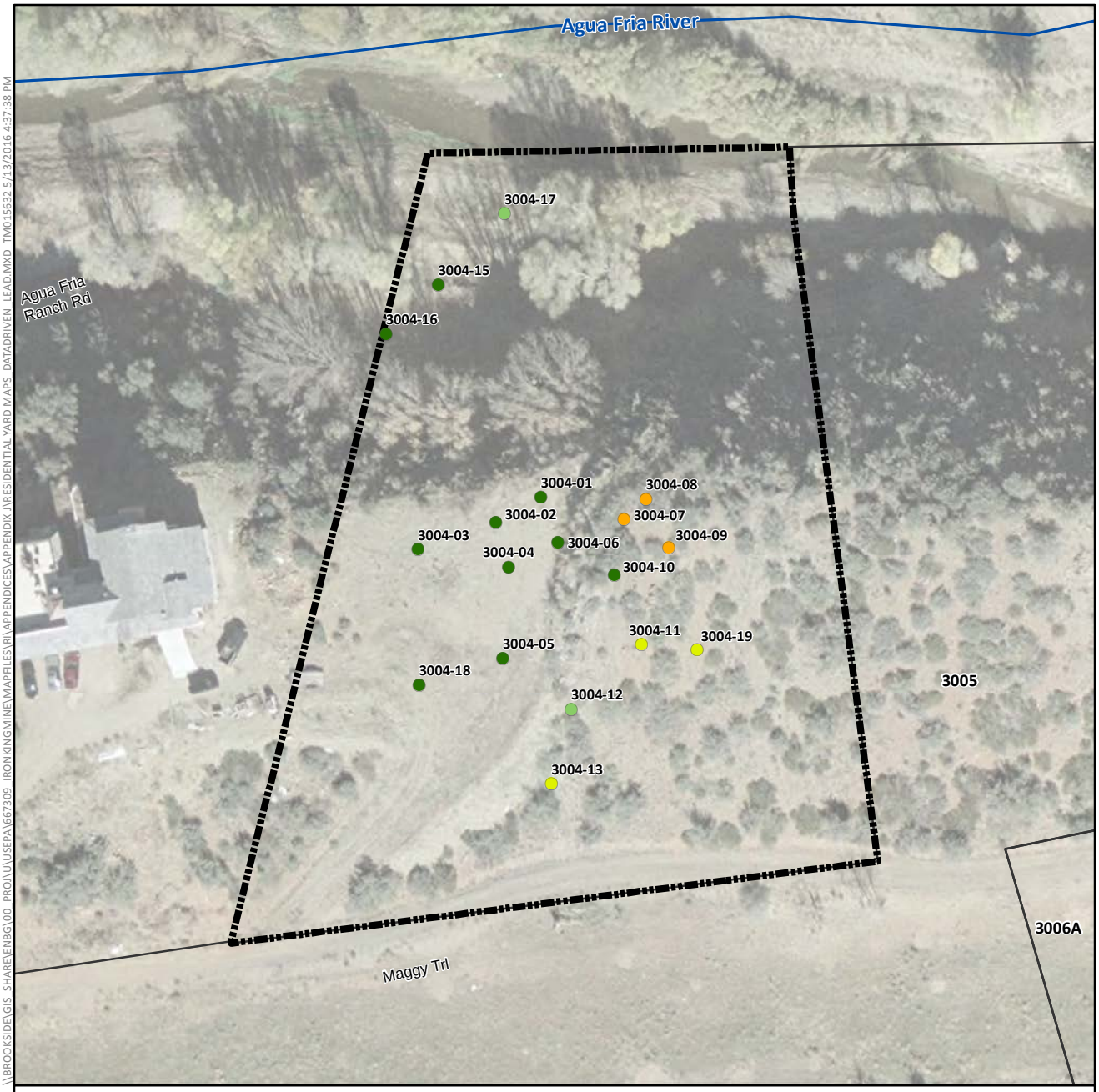
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 310
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 3001 (Page 452 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



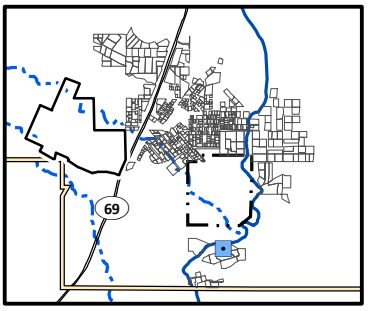
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

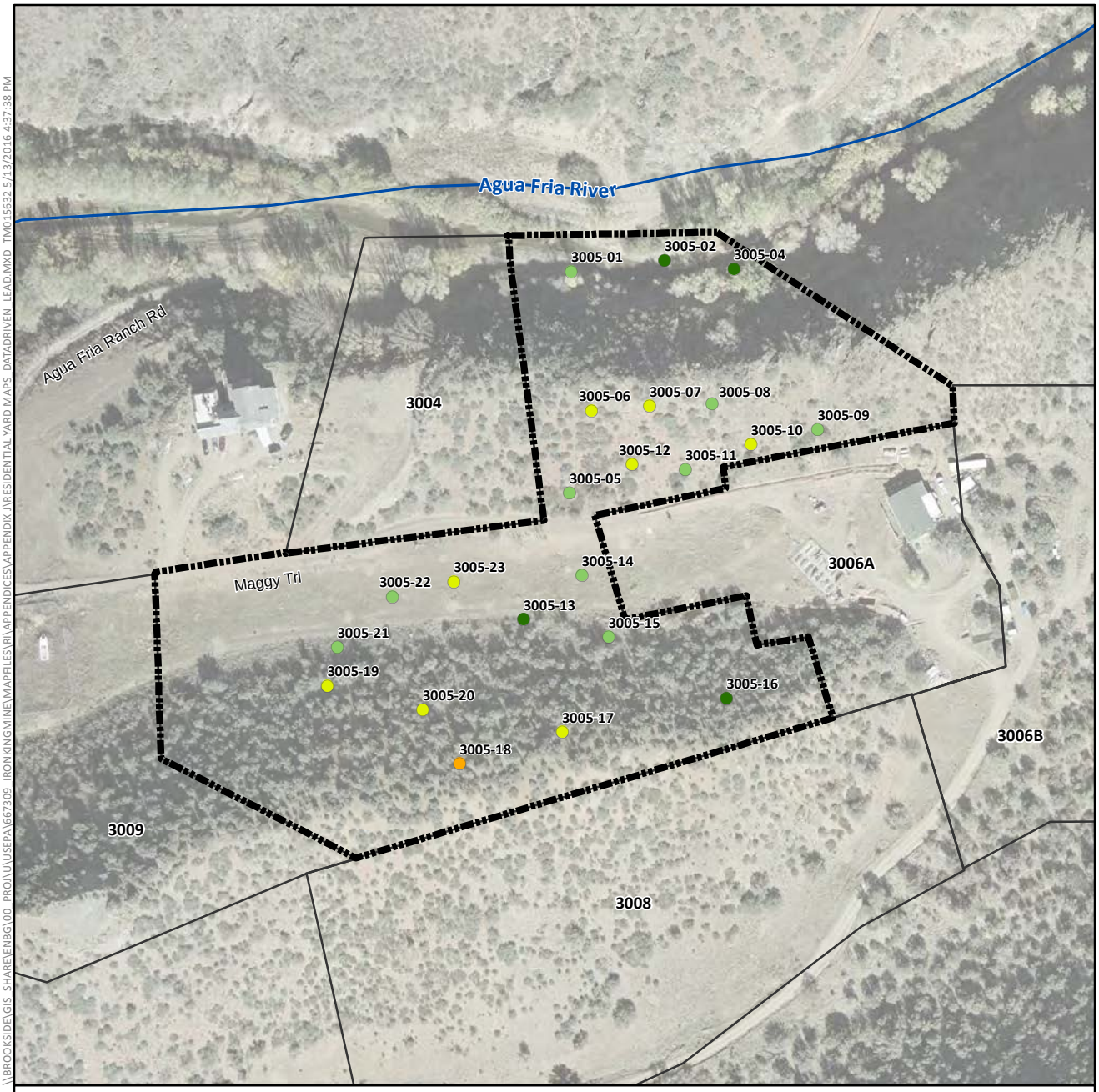
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 3004 (Page 453 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



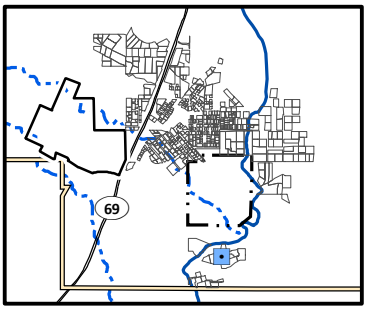
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

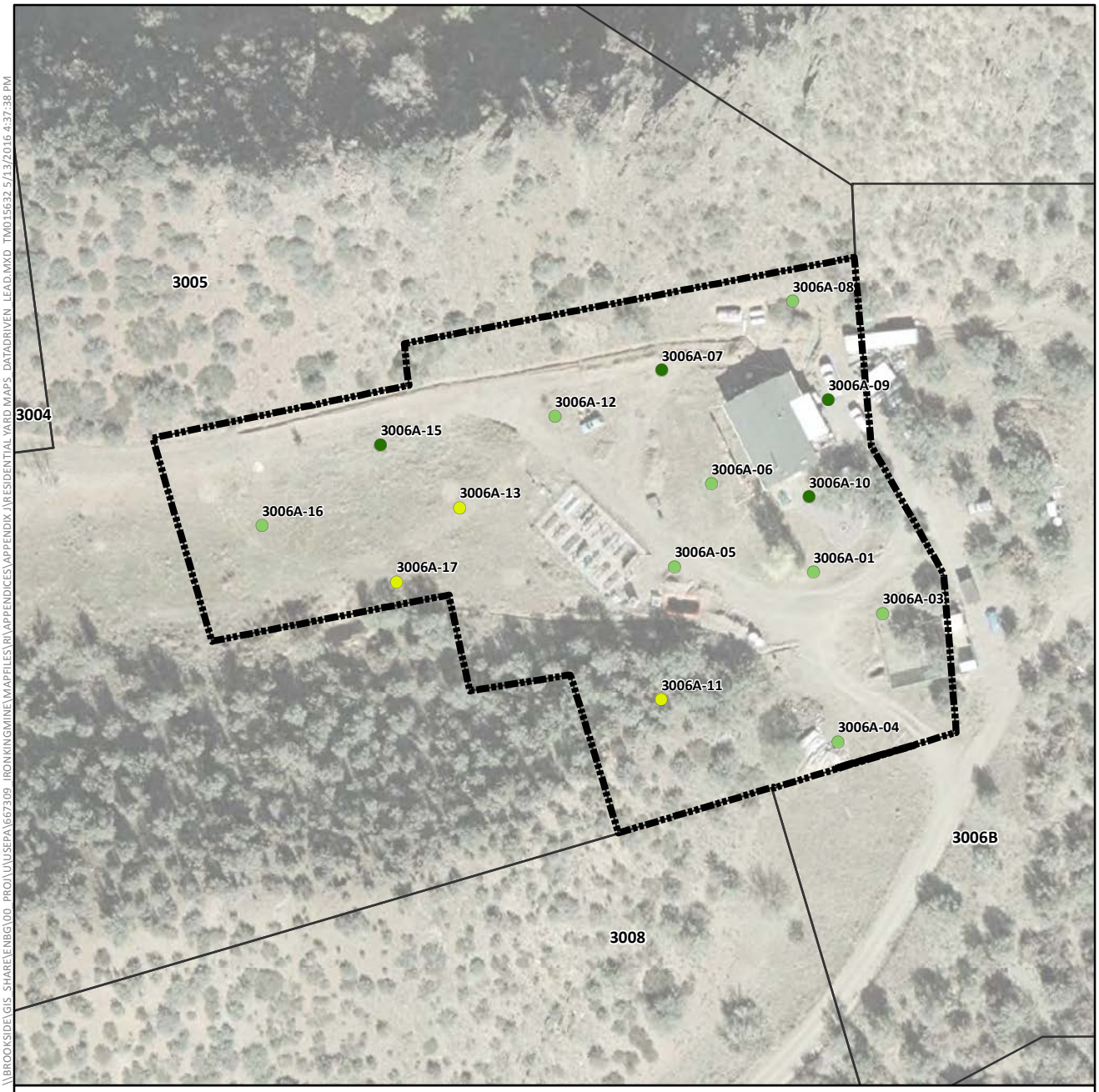
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 290
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 3005 (Page 454 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



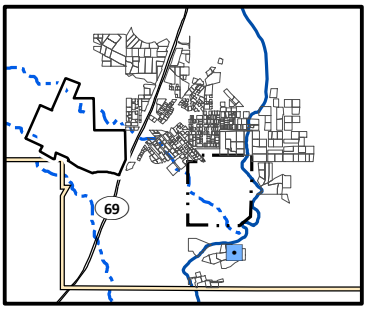
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 140
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 3006A (Page 455 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



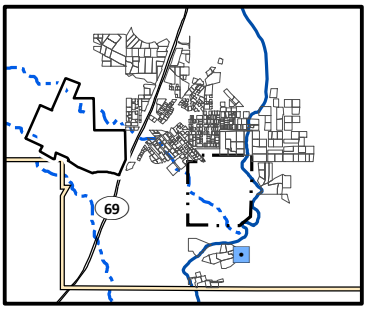
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

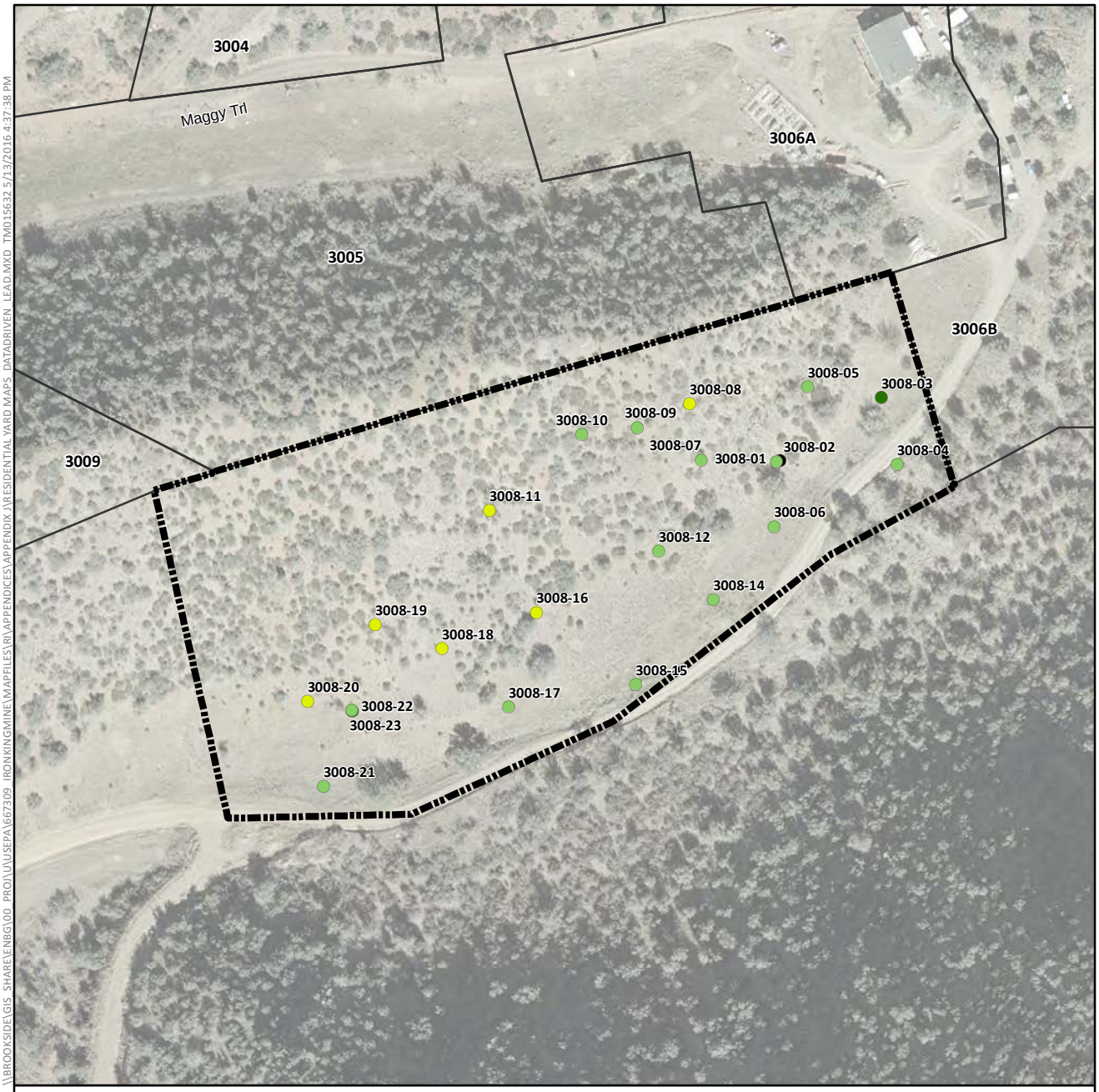
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 175
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 3006B (Page 456 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



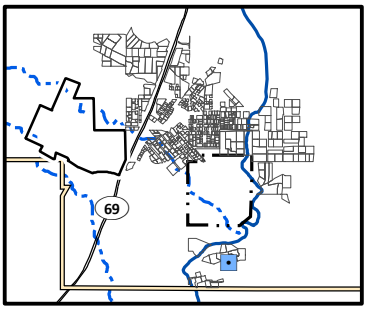
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

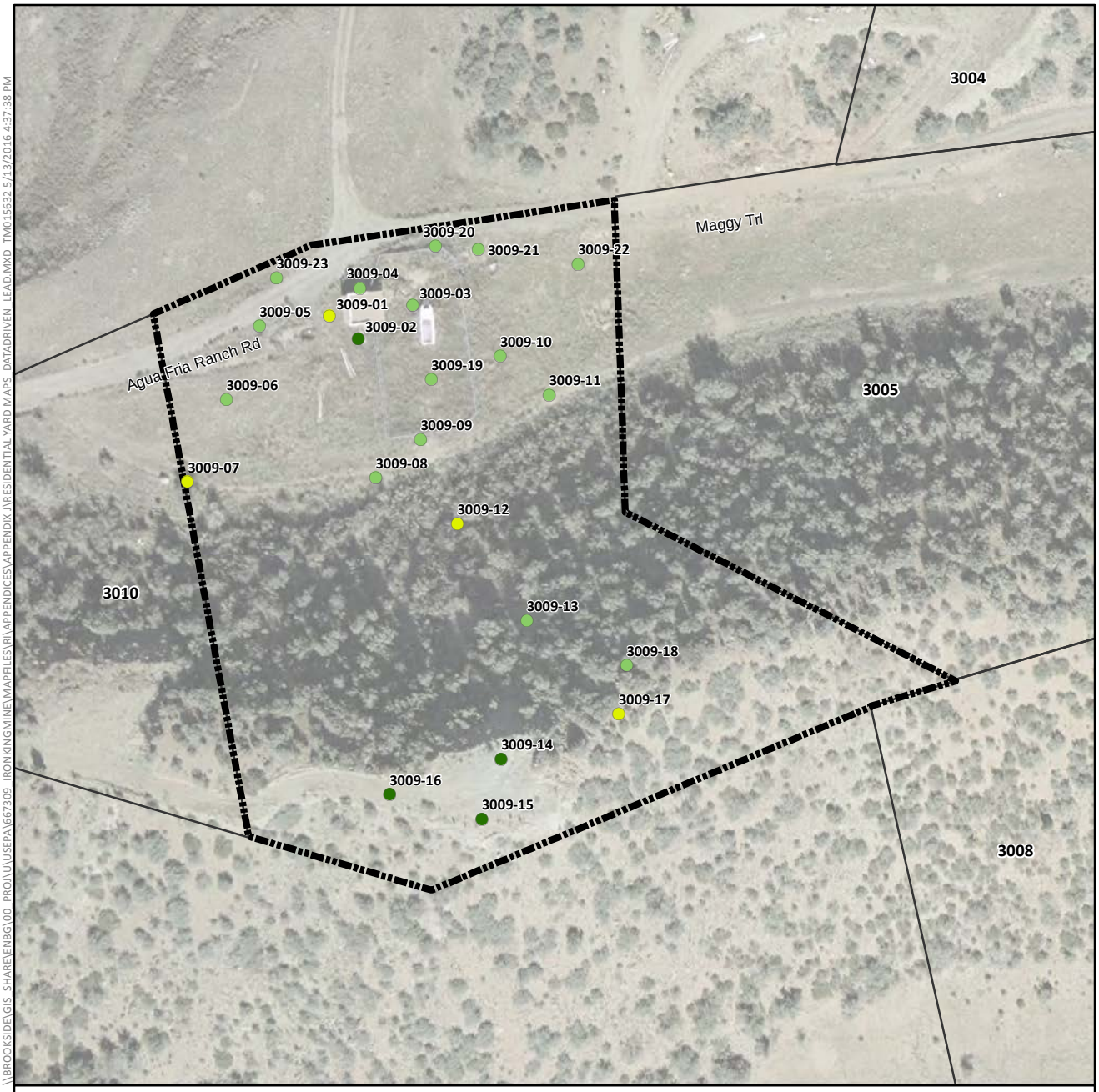
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 230
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 3008 (Page 457 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



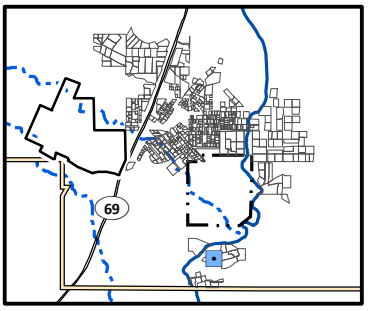
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

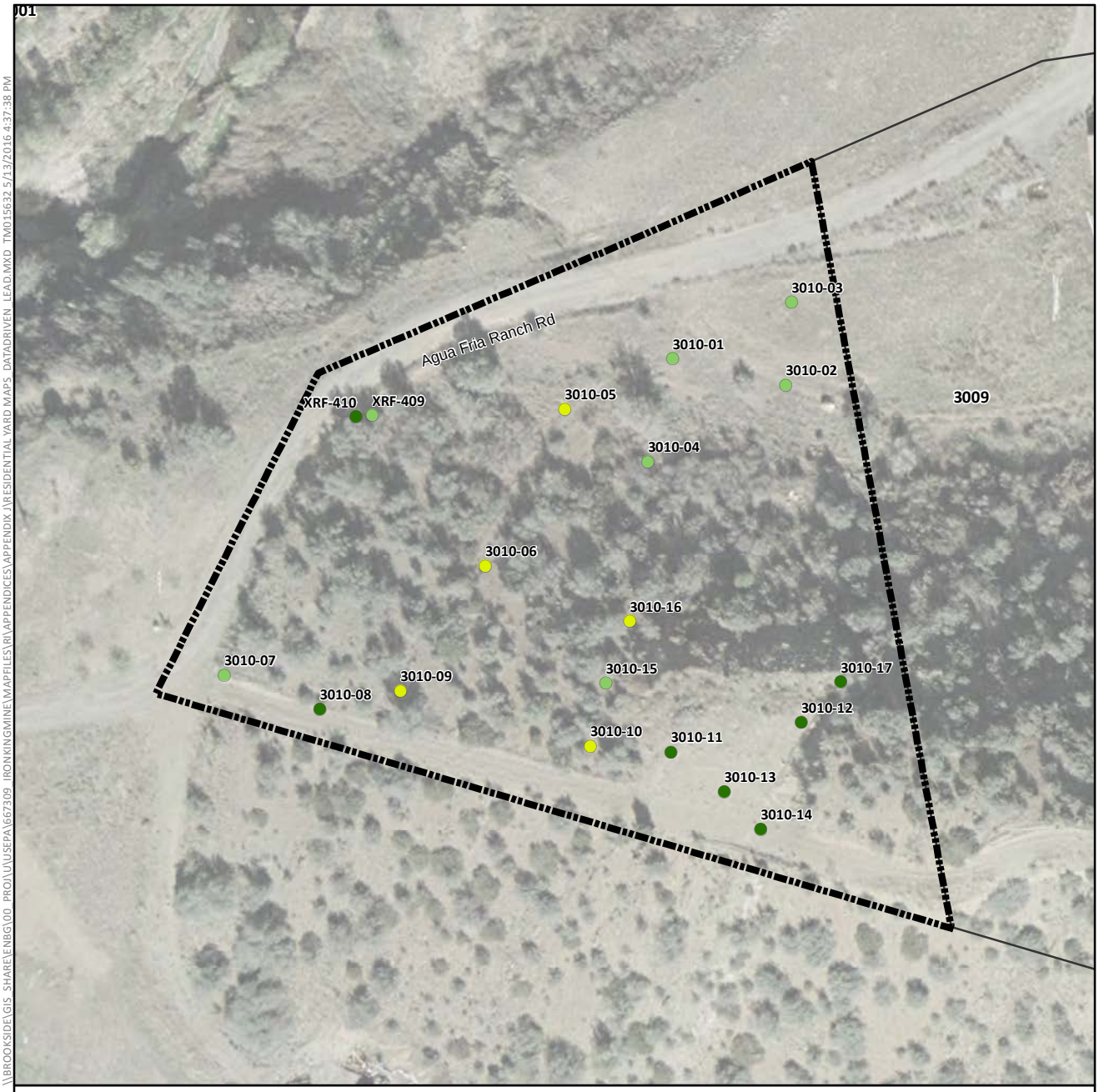
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 170
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 3009 (Page 458 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



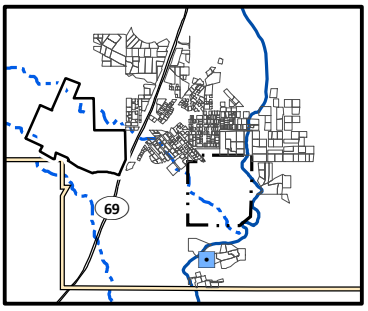
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

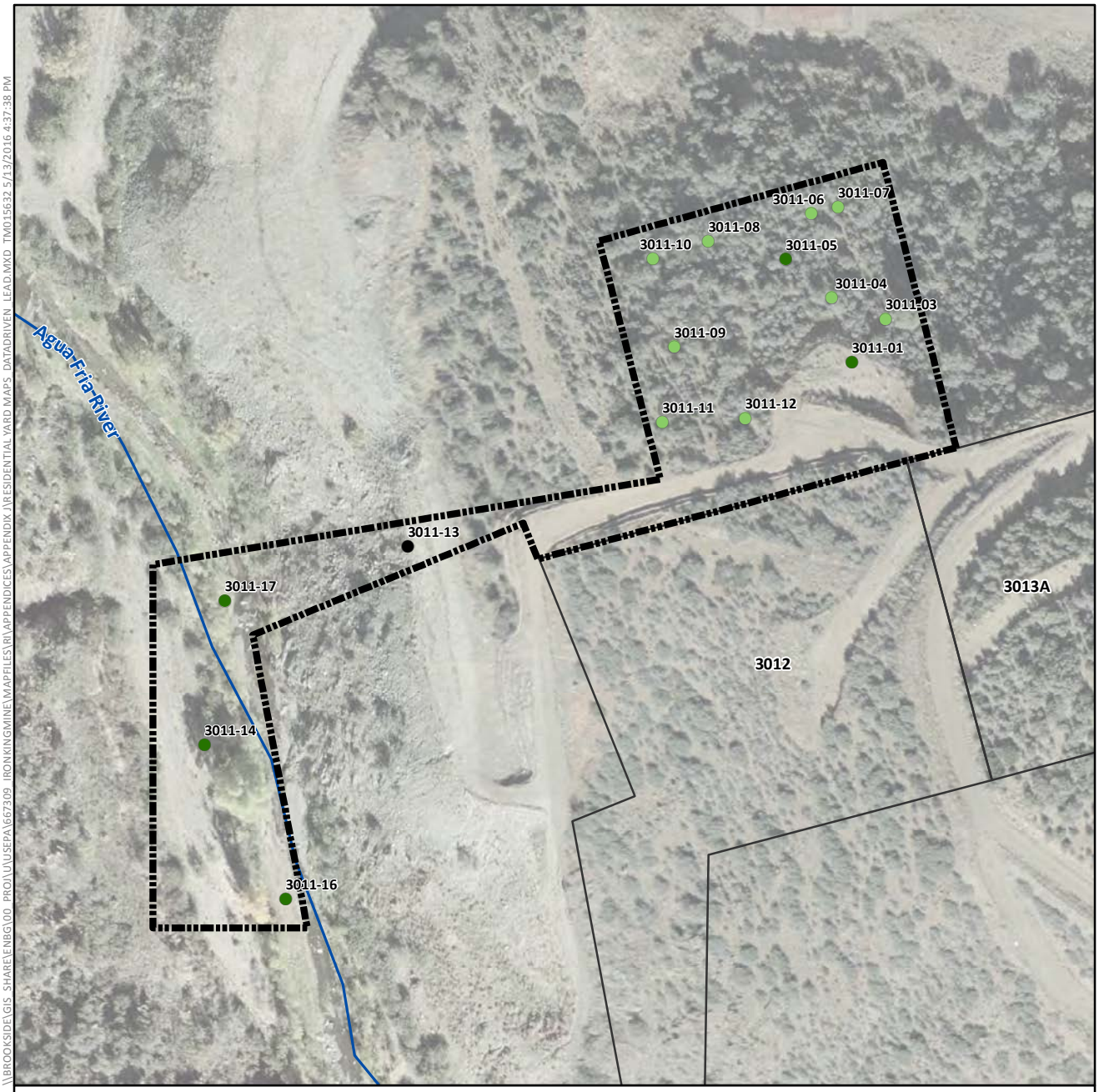


0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 3010 (Page 459 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



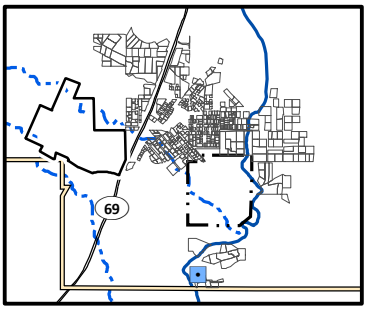
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

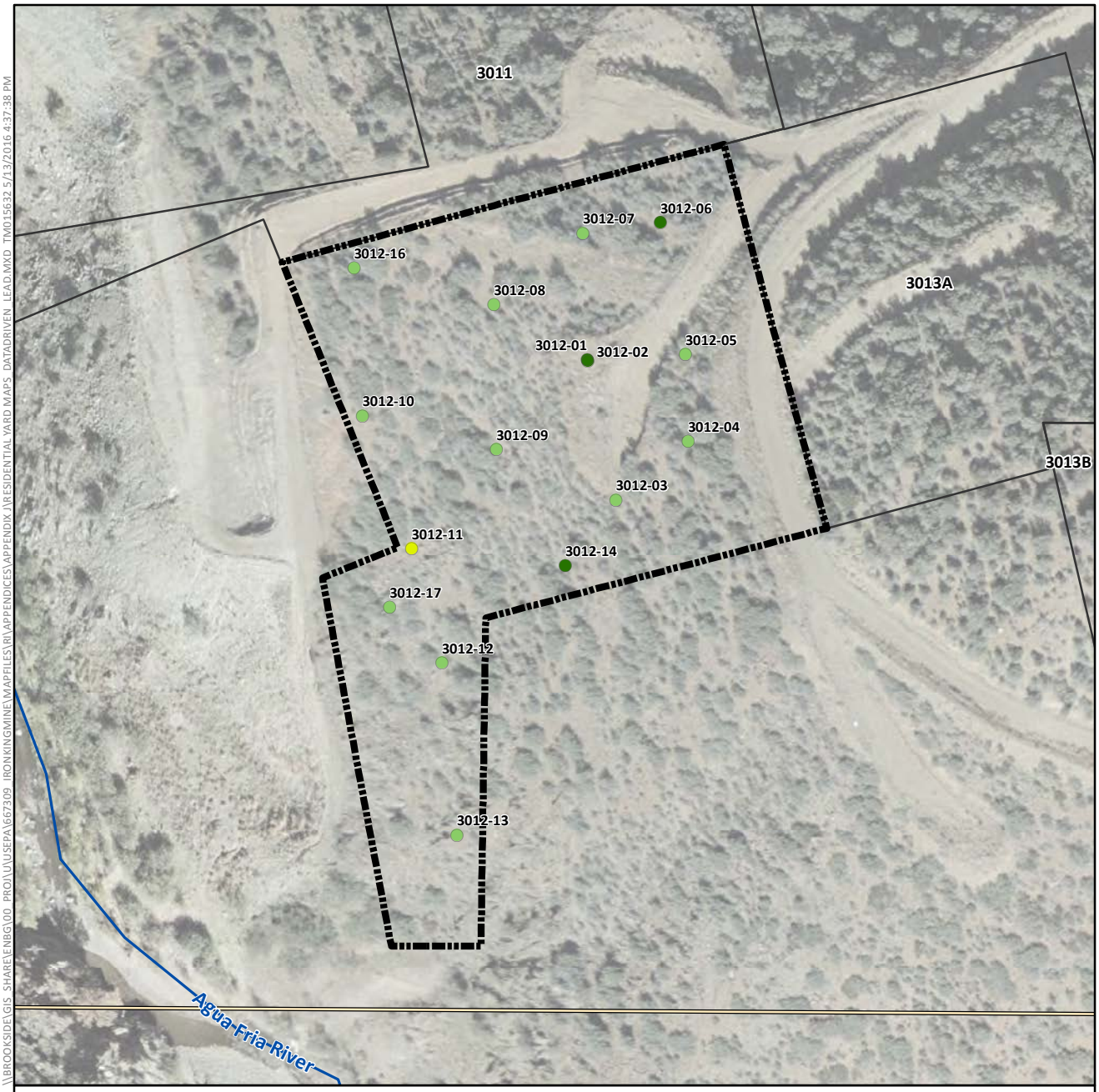


0 175
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 3011 (Page 460 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



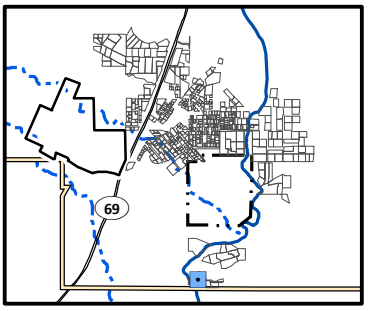
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

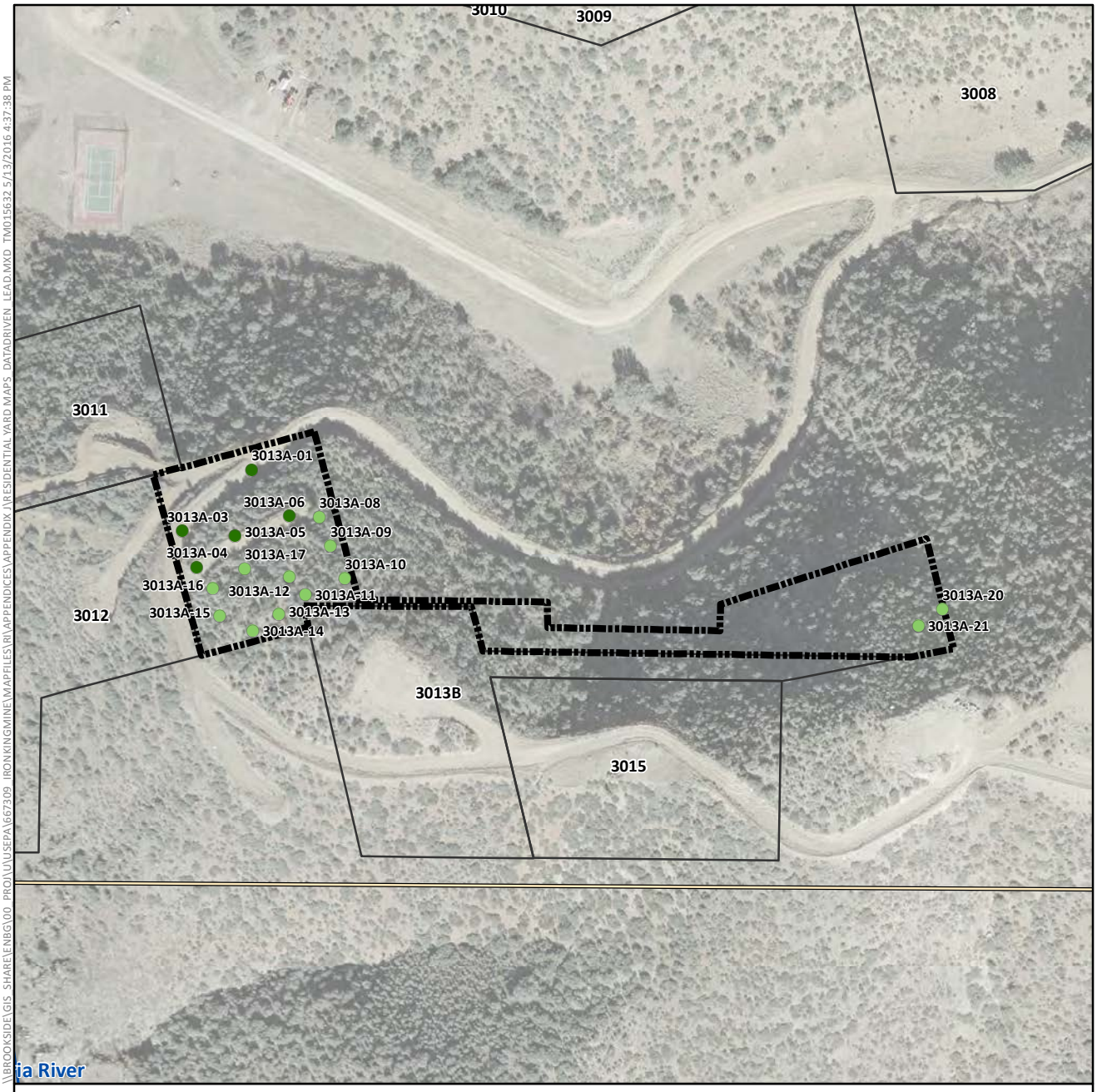


0 140
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 3012 (Page 461 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



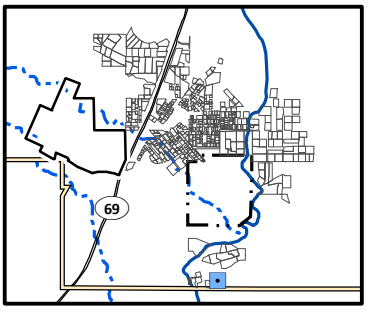
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

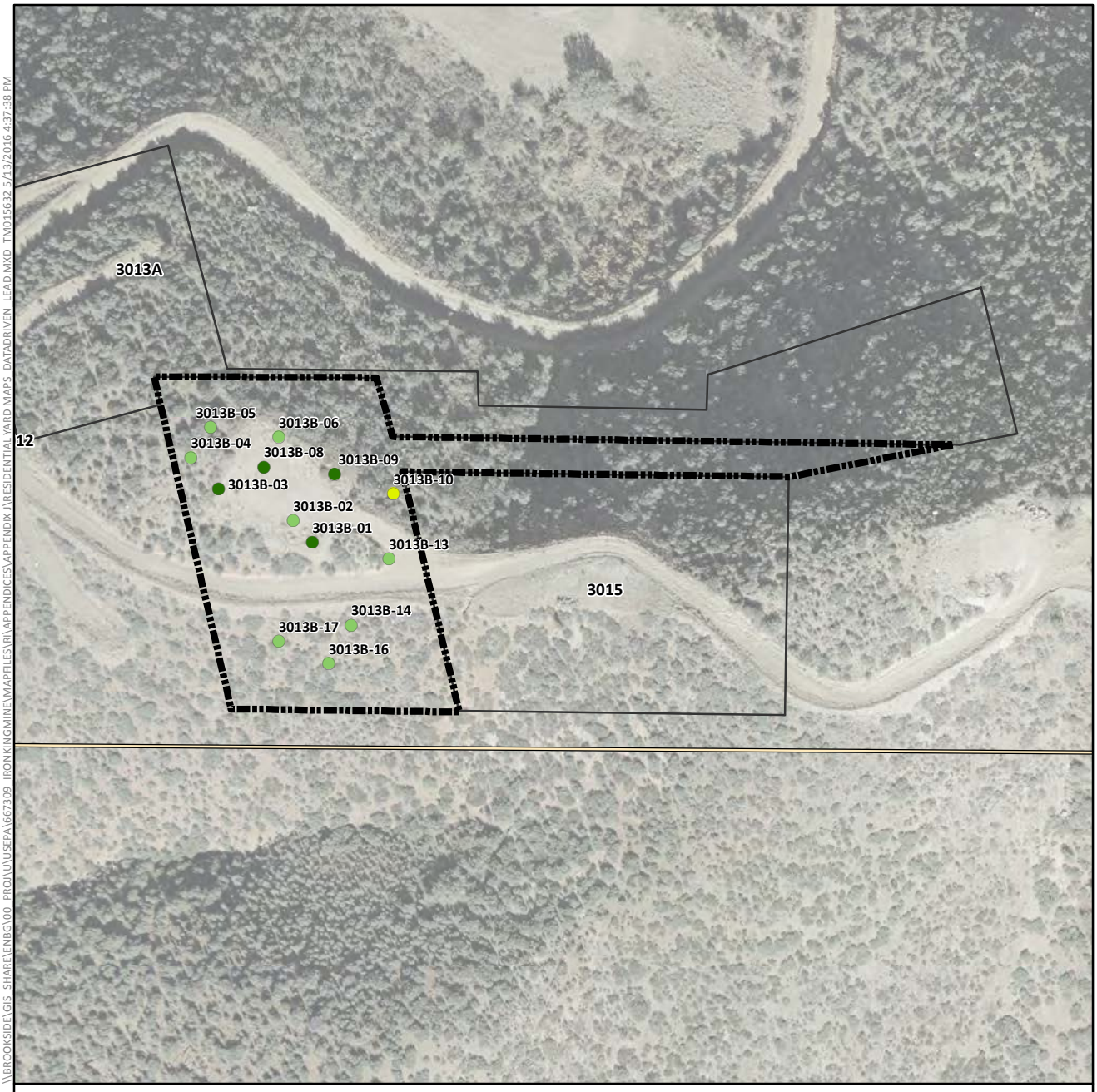
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 310
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 3013A (Page 462 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



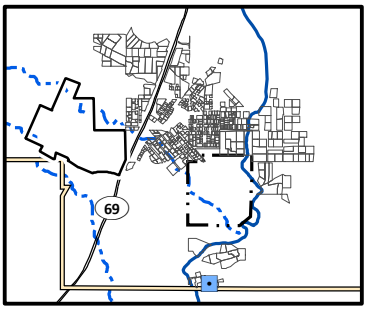
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

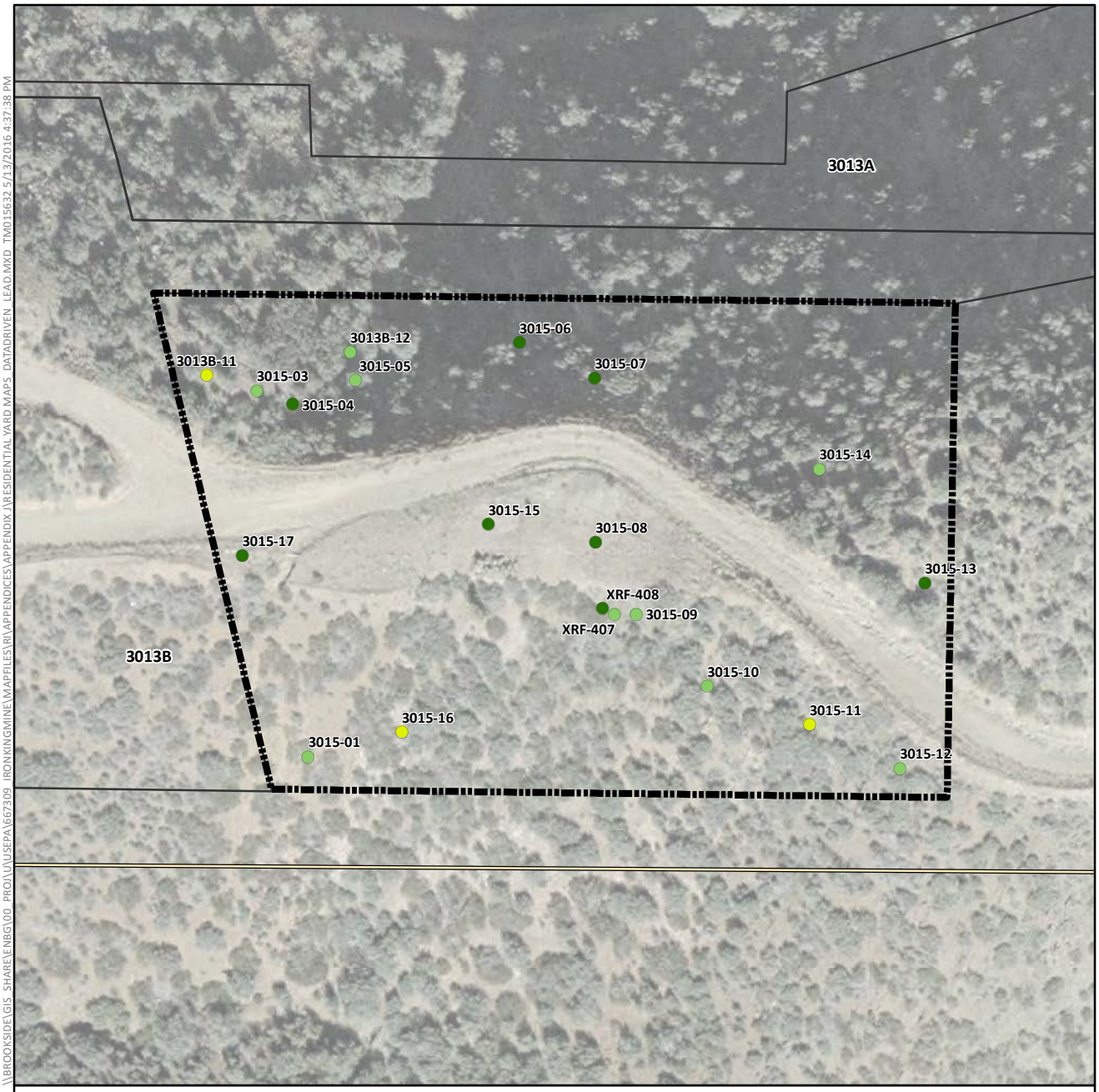
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 230
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 3013B (Page 463 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



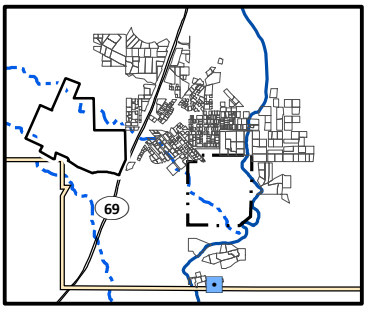
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

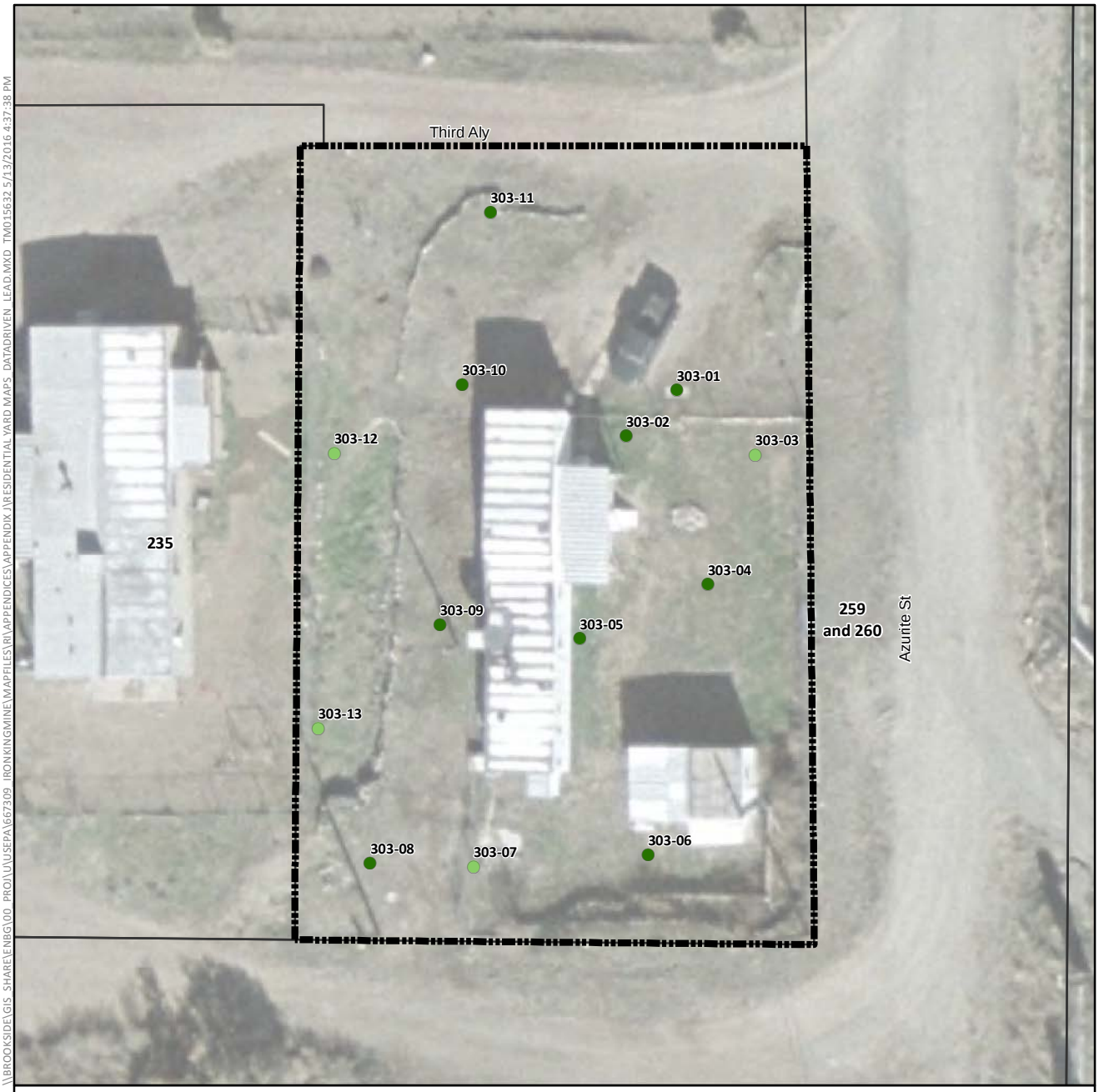


0 110
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 3015 (Page 464 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

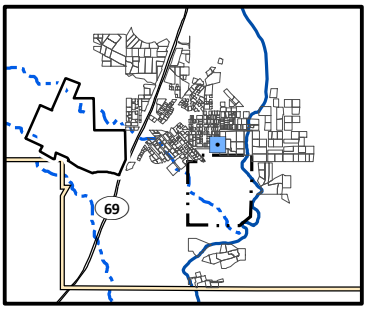


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 303 (Page 465 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\US\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_LEAD.MXD TM0156632 5/13/2016 4:37:38 PM



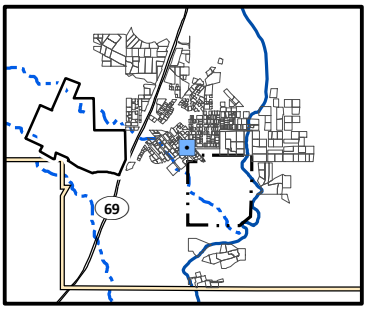
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 60
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 307 (Page 466 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



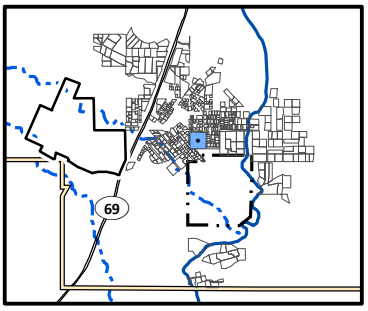
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 40
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 308 (Page 467 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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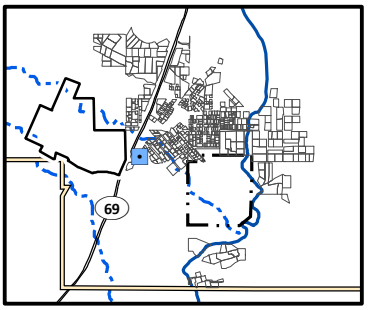


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Notes:
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Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 309 (Page 468 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



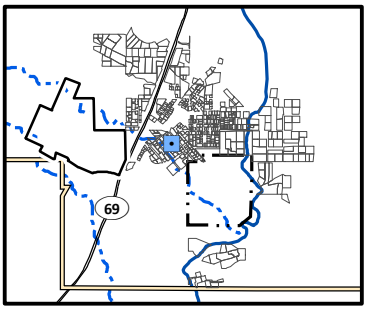
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 310 (Page 469 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



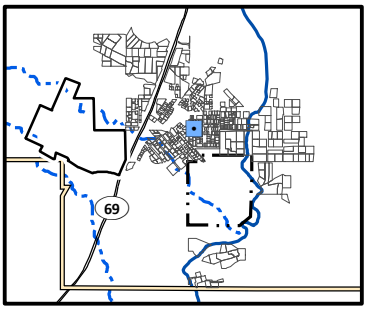
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 311 (Page 470 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



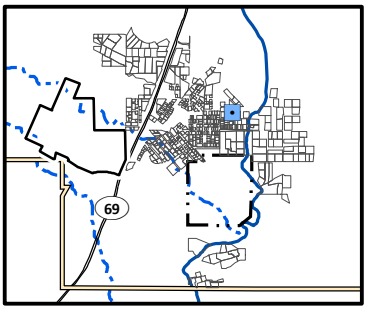
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 30
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 40W (Page 471 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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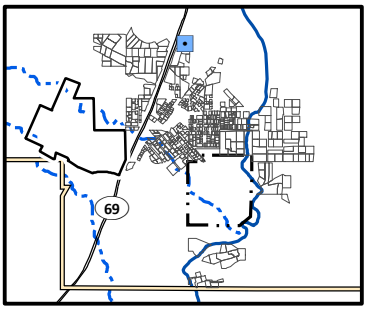


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

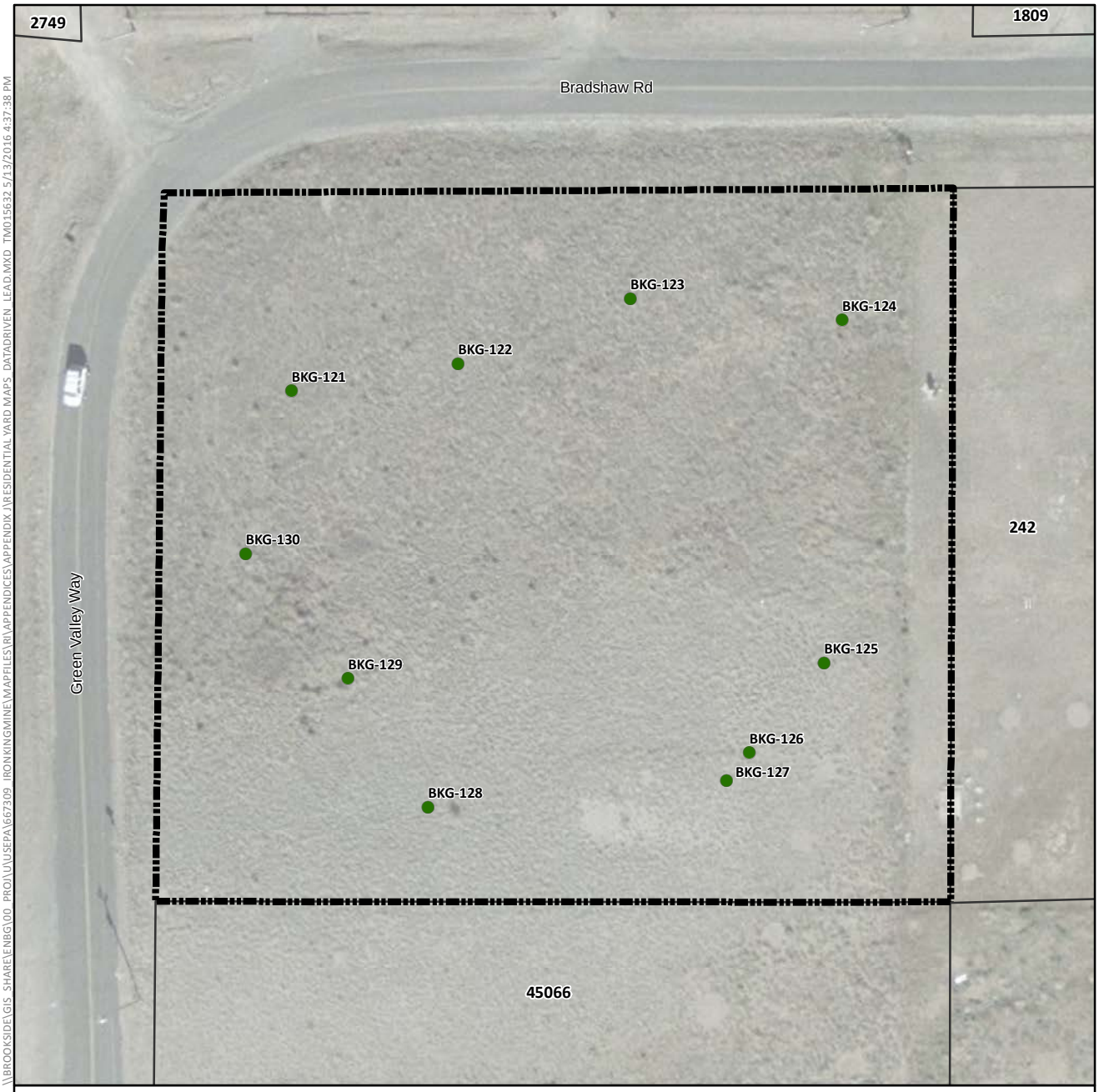


0 150
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 42269W (Page 472 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



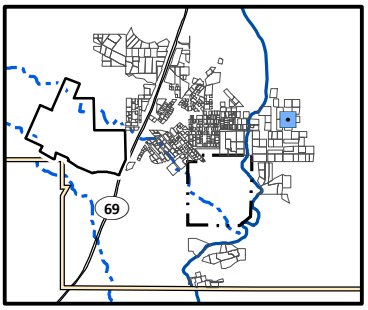
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

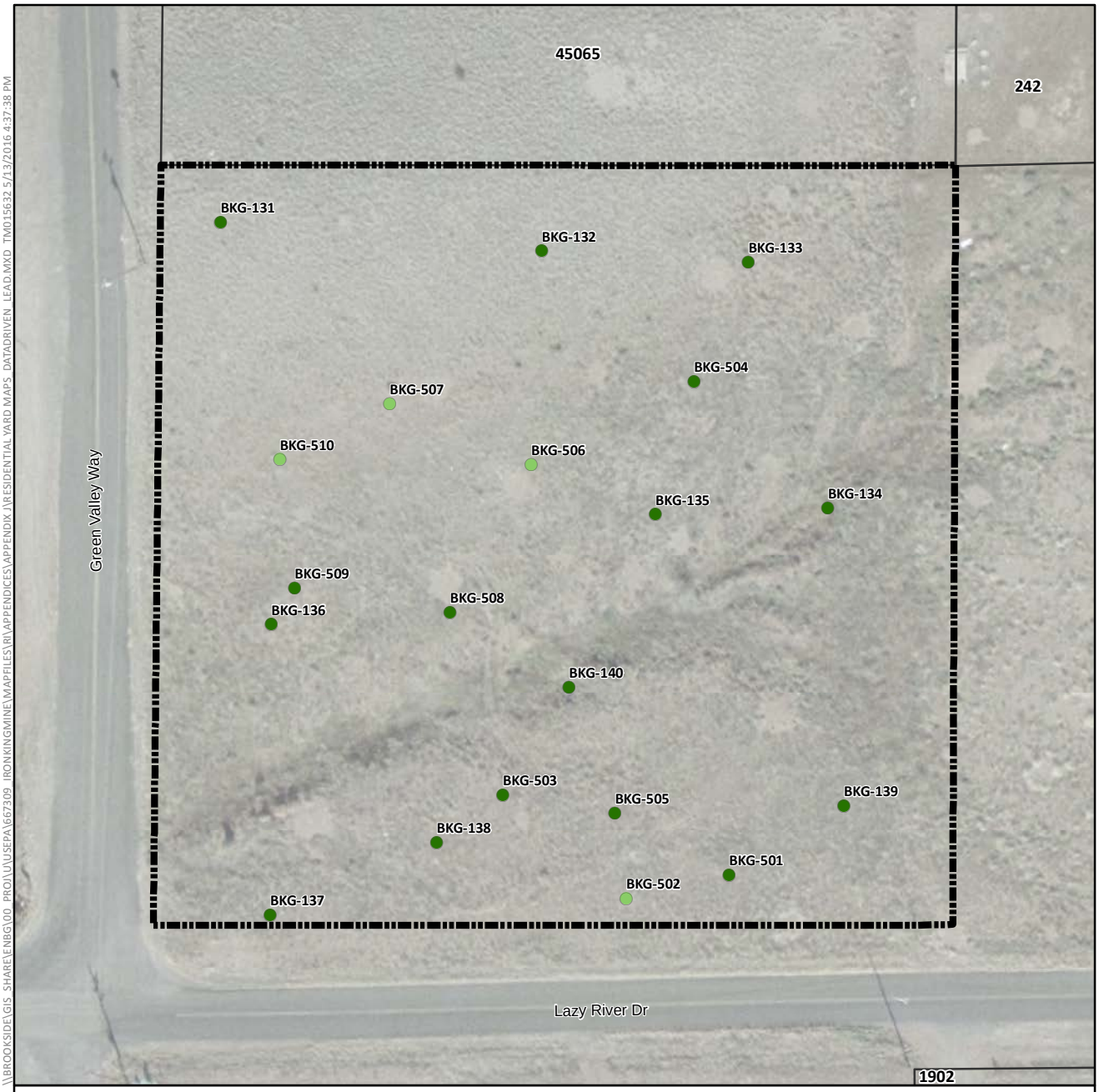
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet
N

Lead Distribution in Surface Soil, Yard 45065 (Page 473 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



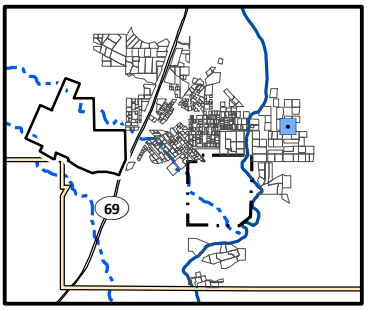
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 100
Scale in Feet

N

Lead Distribution in Surface Soil, Yard 45066 (Page 474 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



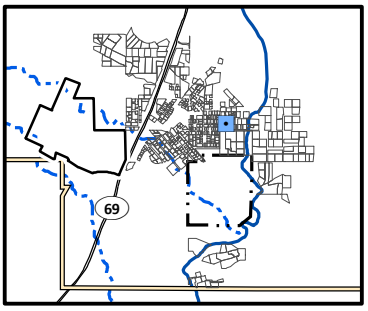
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.

Notes:
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Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



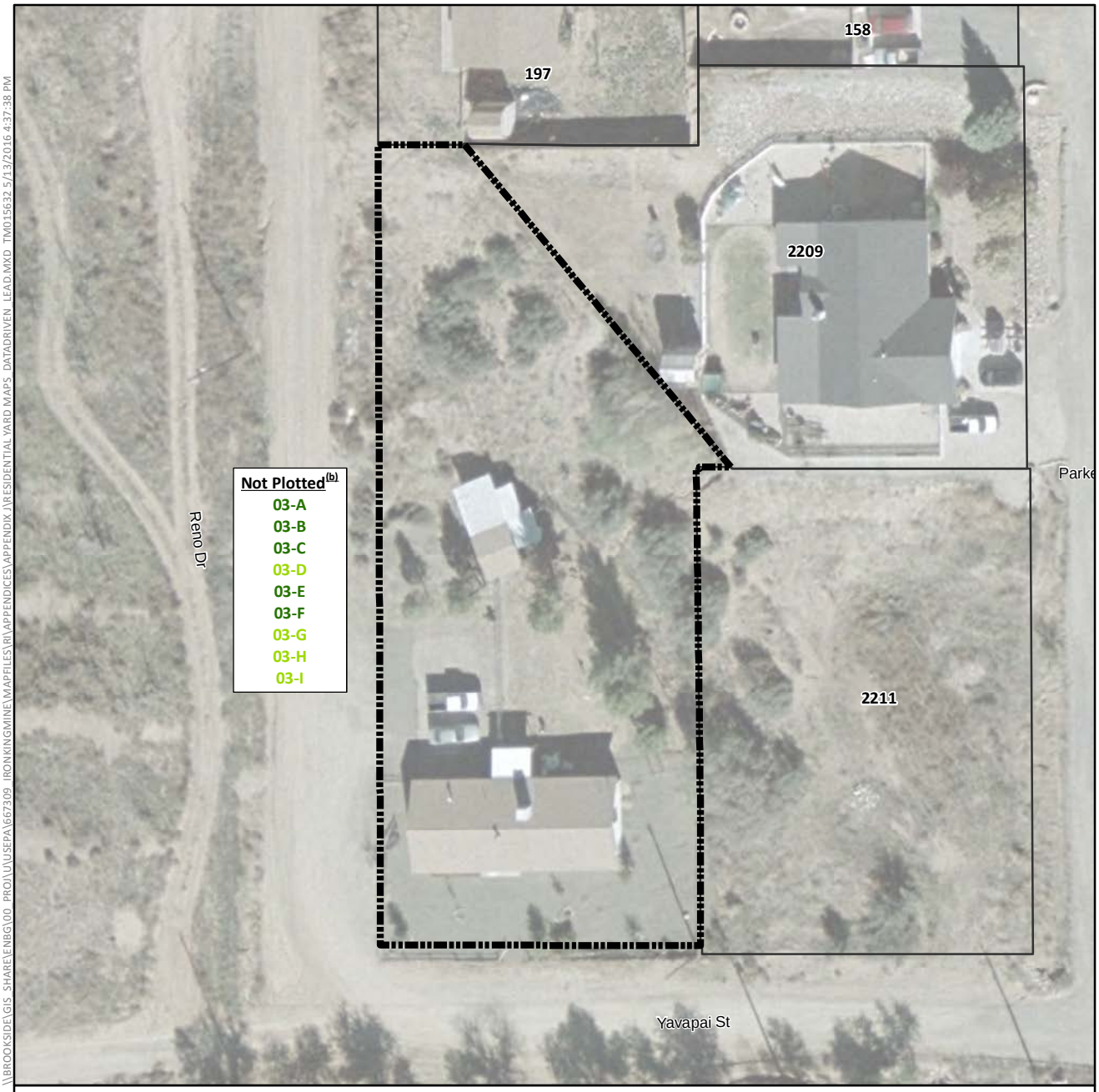
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Scale in Feet

N

Lead Distribution in Surface Soil, Yard 80J (Page 475 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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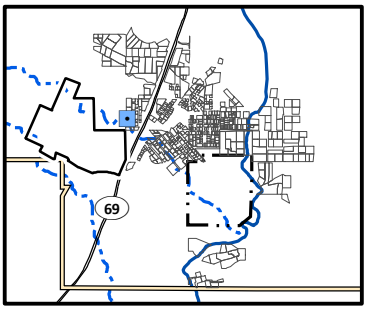


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
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- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 03-A through 03-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

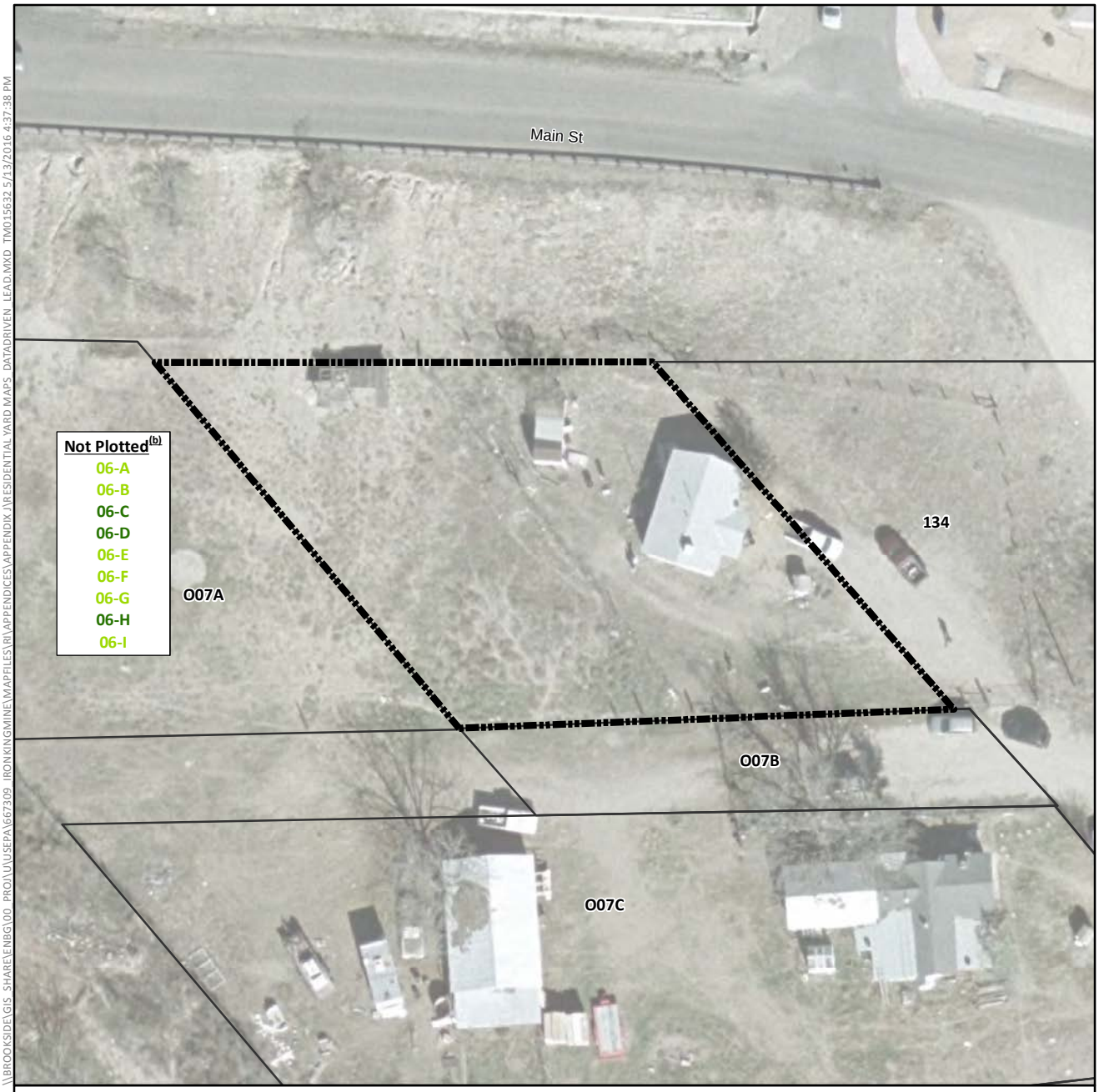


0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O03 (Page 476 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

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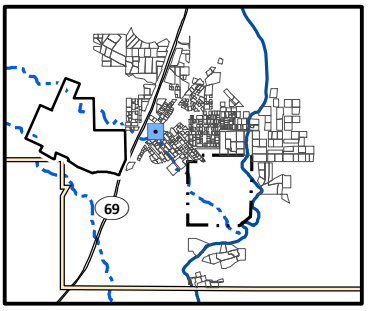


Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 06-A through 06-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

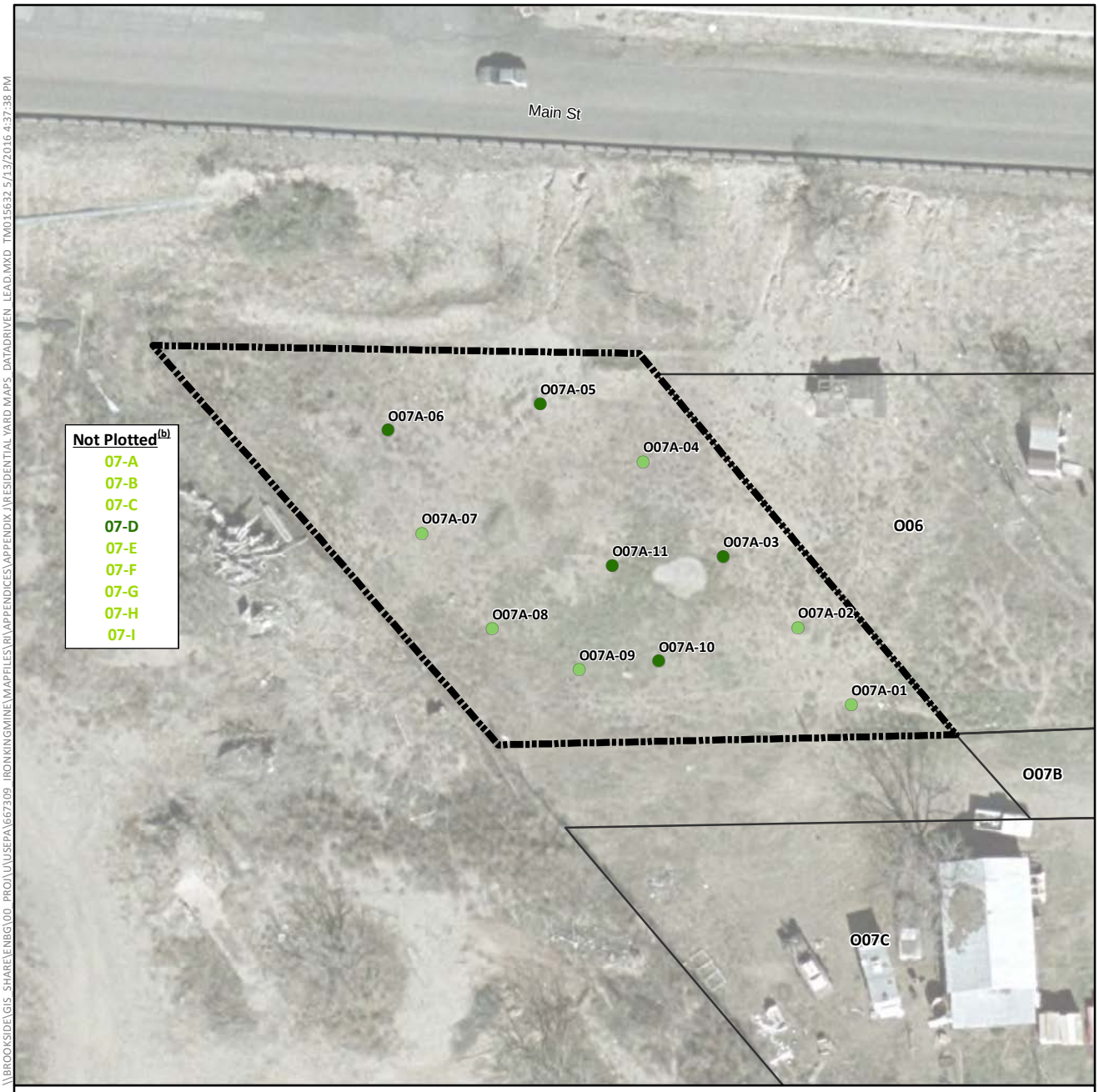


0 75
Scale in Feet
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Lead Distribution in Surface Soil, Yard O06 (Page 477 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona

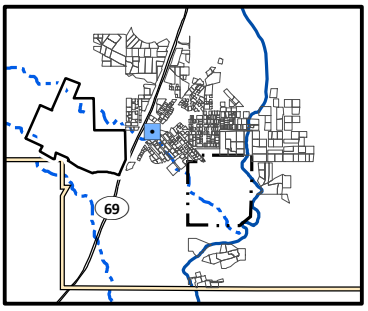
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

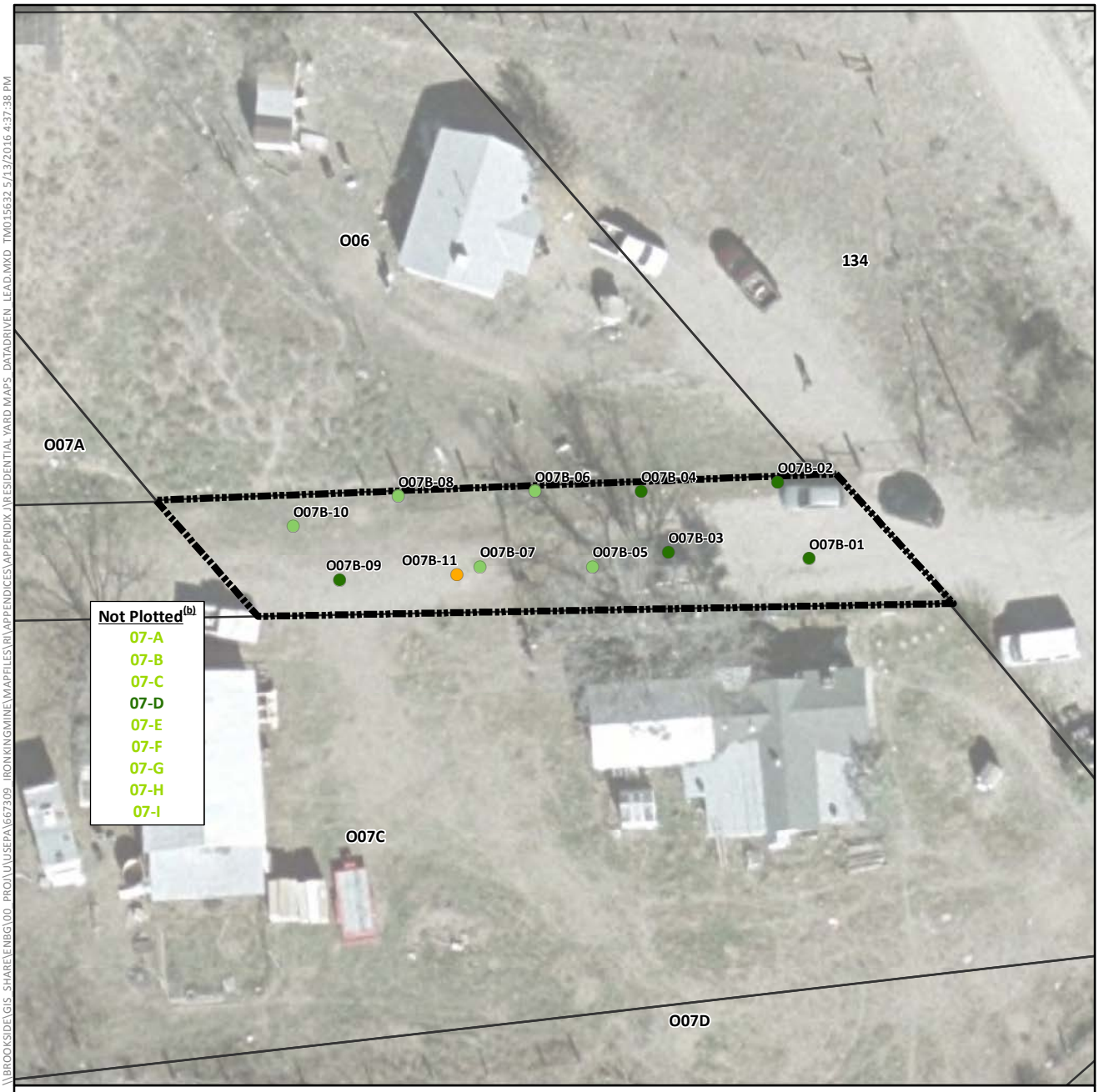
[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 07-A through 07-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 75
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O07A (Page 478 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



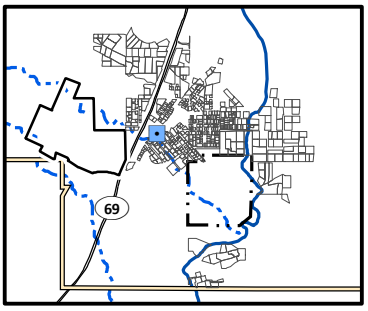
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 07-A through 07-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result.
Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

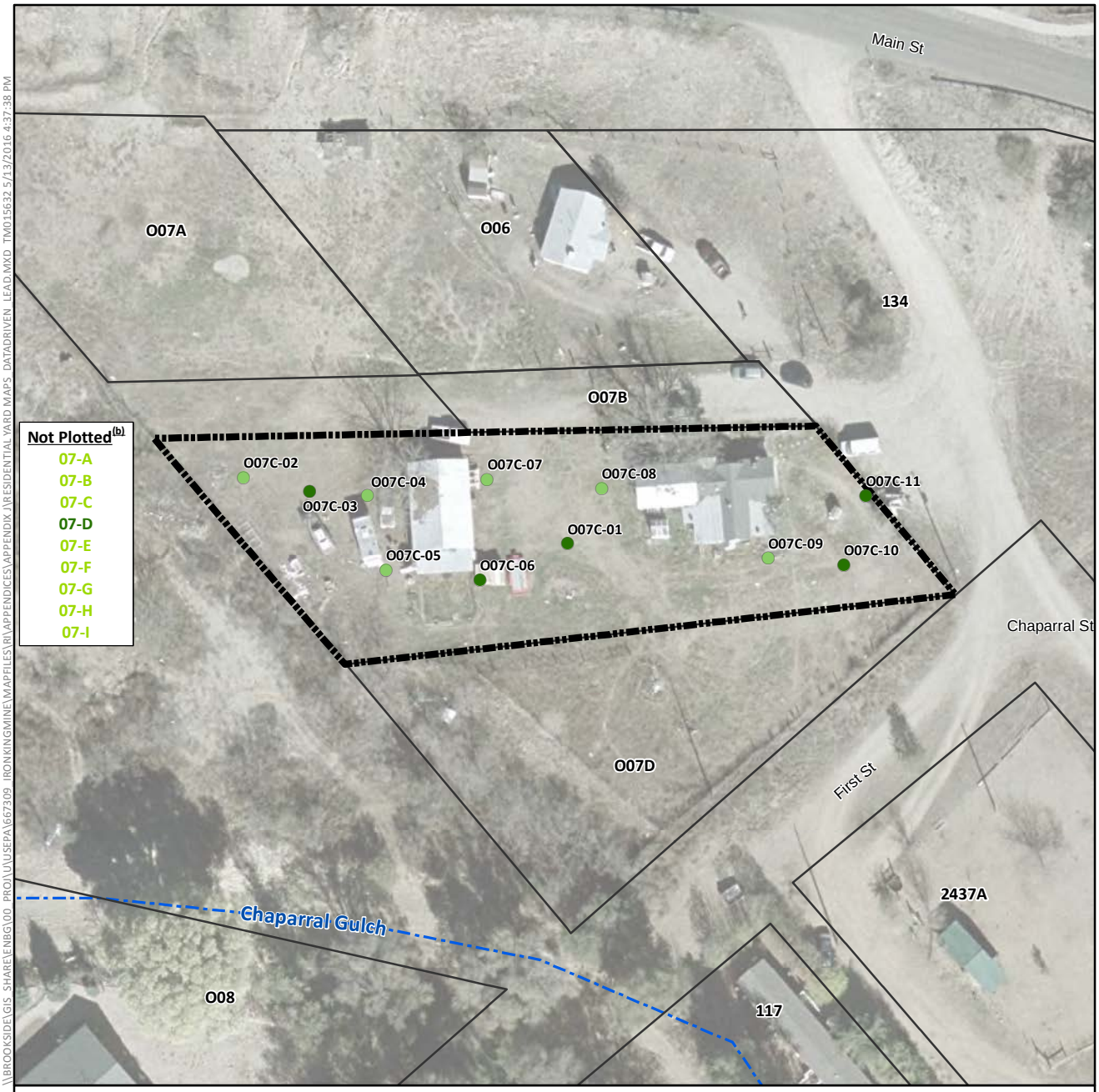


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard O07B (Page 479 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



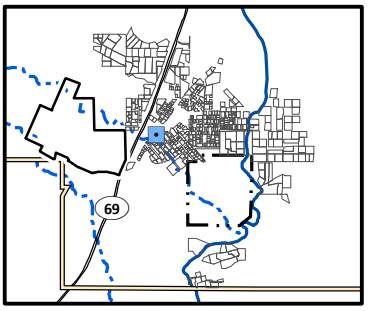
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 07-A through 07-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).

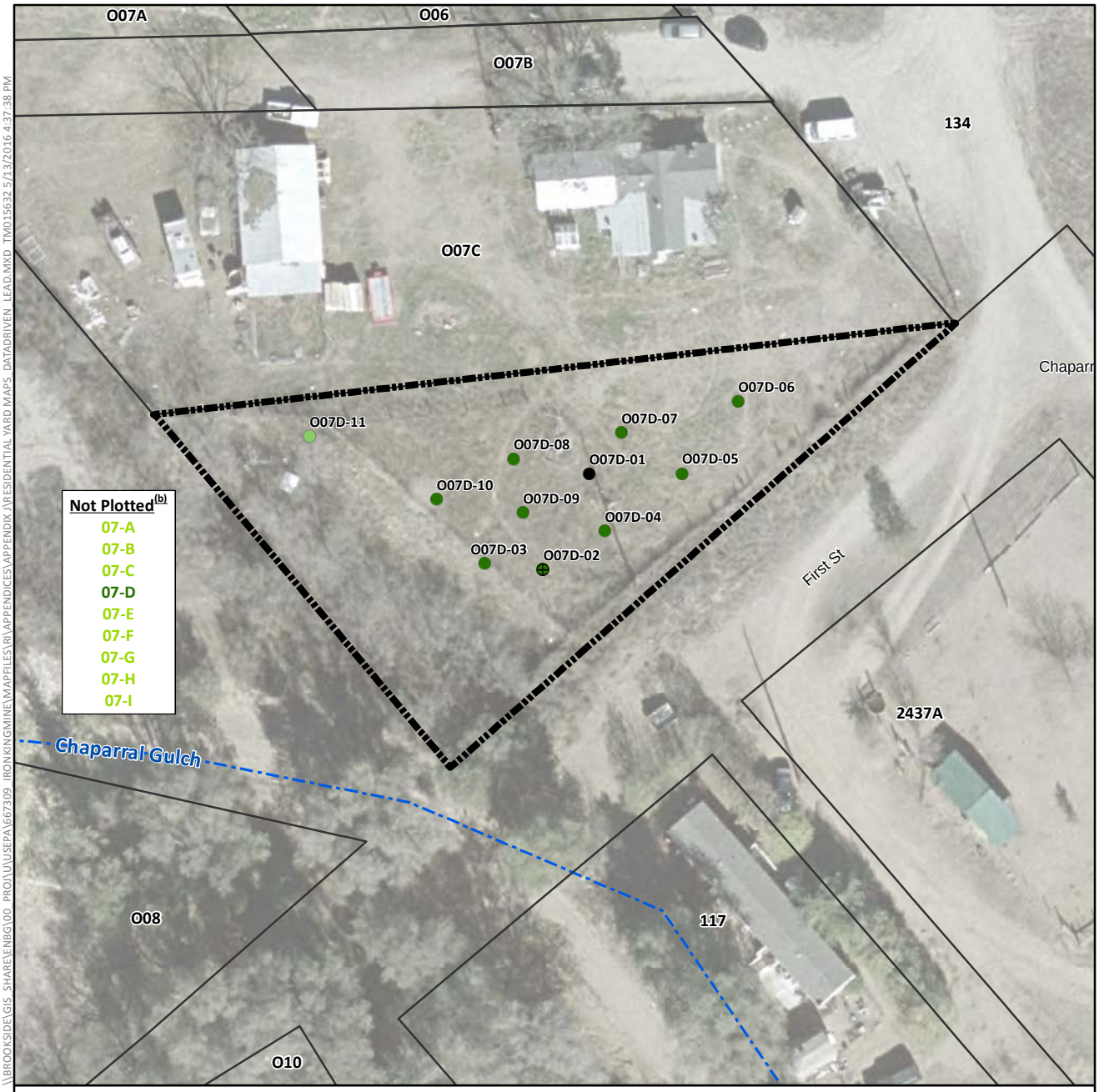
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O07C (Page 480 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



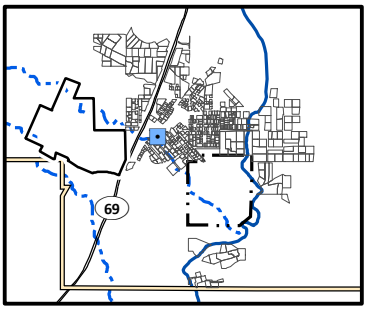
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 07-A through 07-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above. Because coordinates are unavailable, these are all considered pre-removal samples for this yard (see Section 3.4 for details).

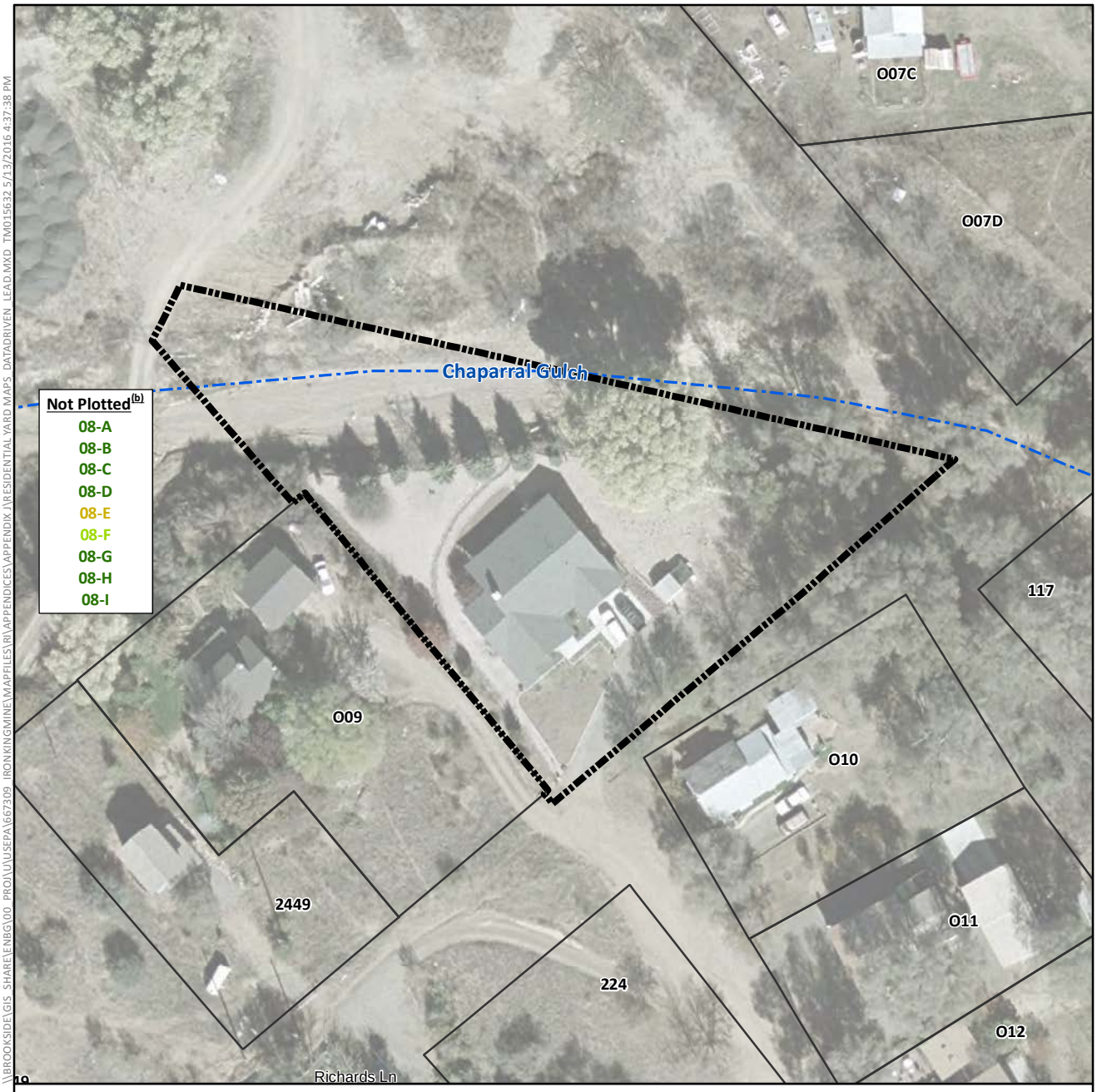
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 80
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O07D (Page 481 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



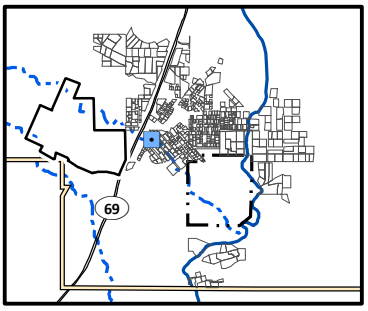
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 08-A through 08-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

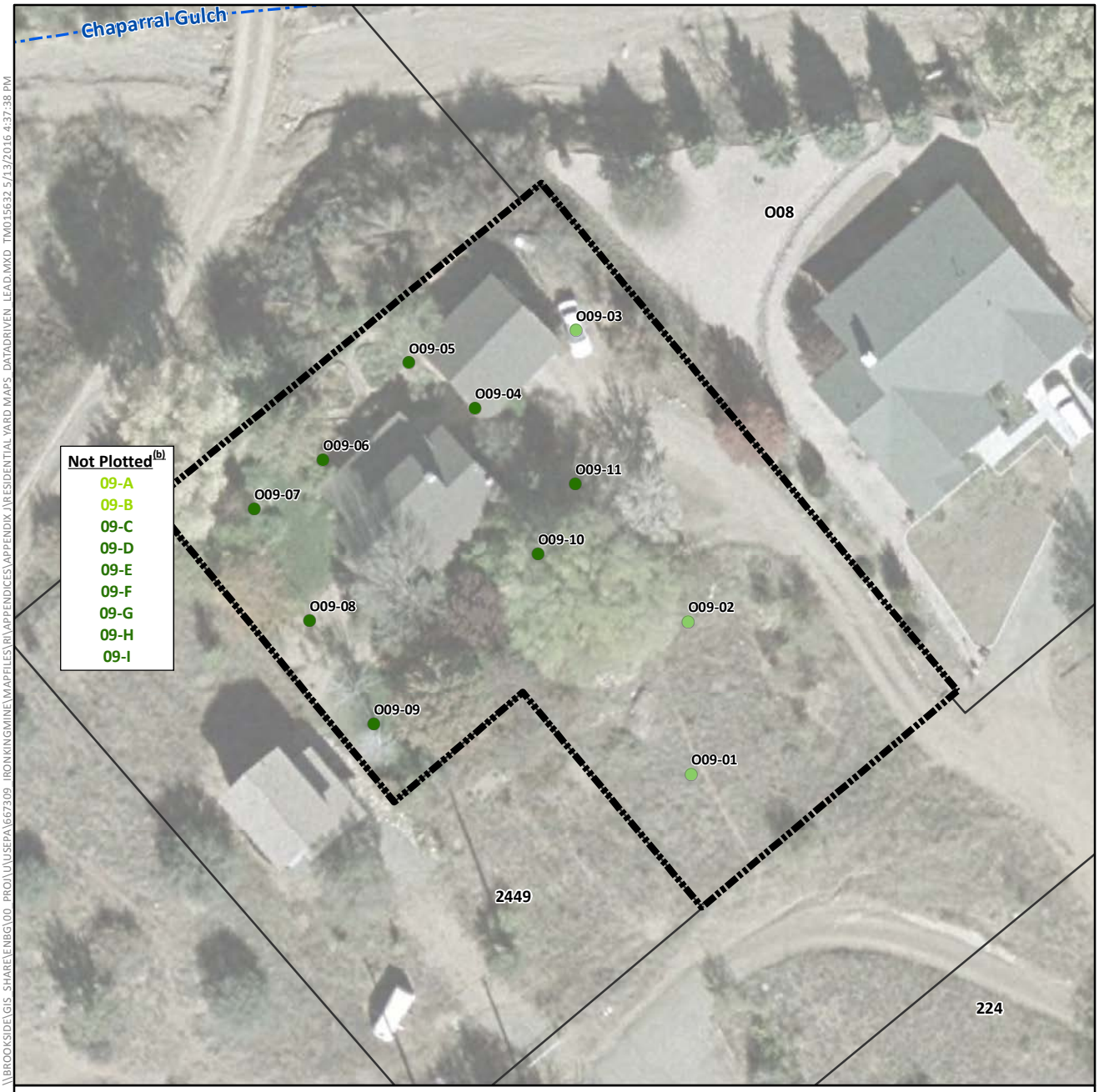
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O08 (Page 482 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



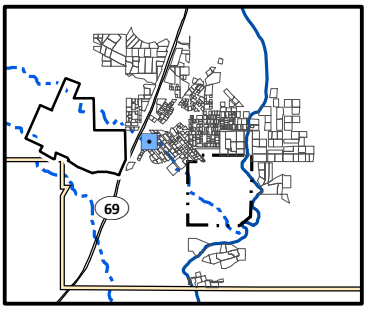
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 09-A through 09-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

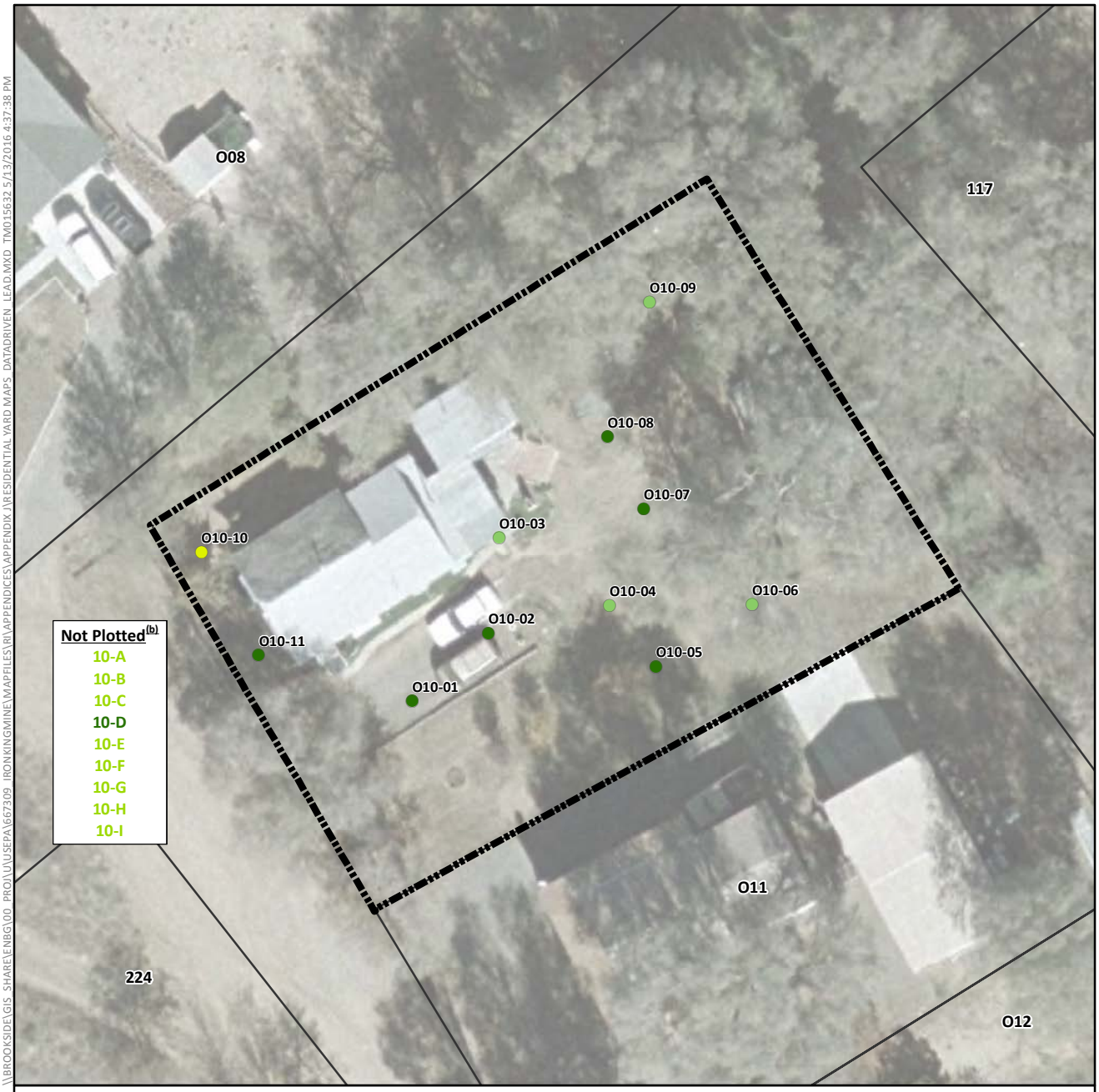
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O09 (Page 483 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



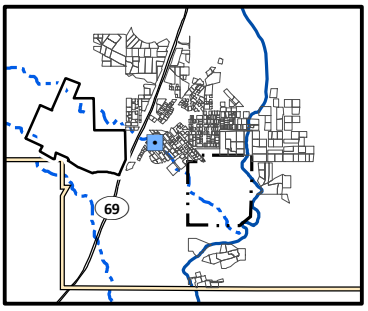
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 10-A through 10-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

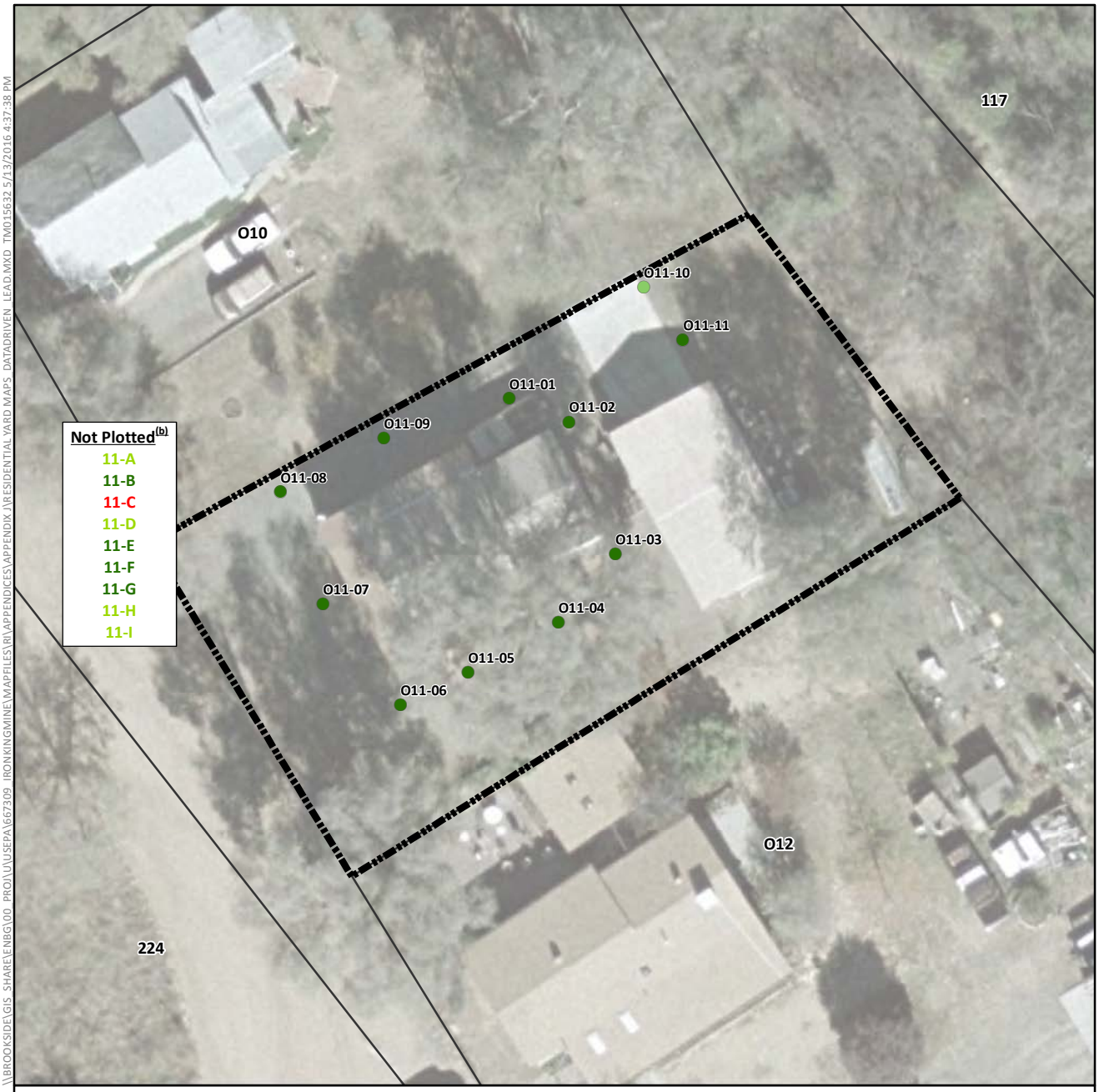


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard O10 (Page 484 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



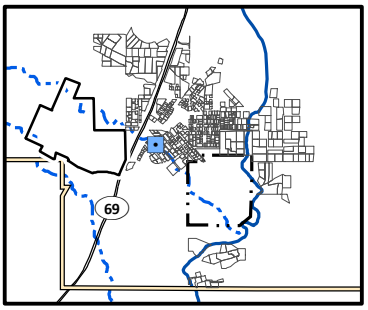
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 11-A through 11-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

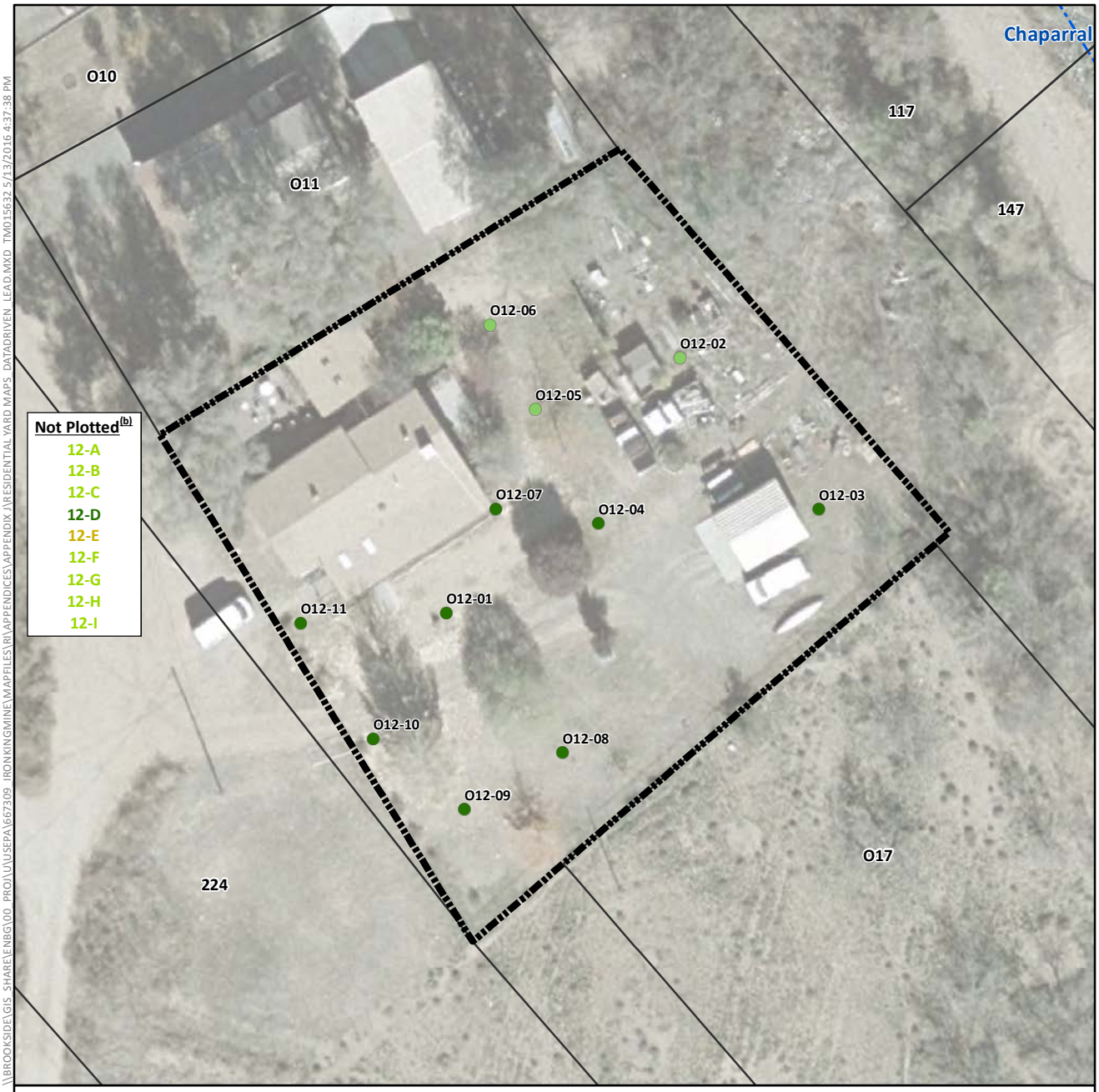
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O11 (Page 485 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



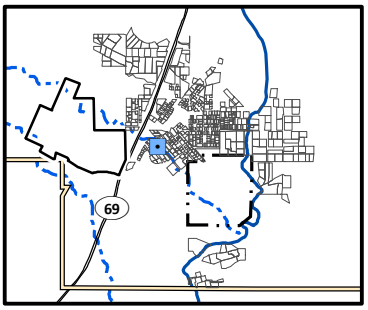
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 12-A through 12-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

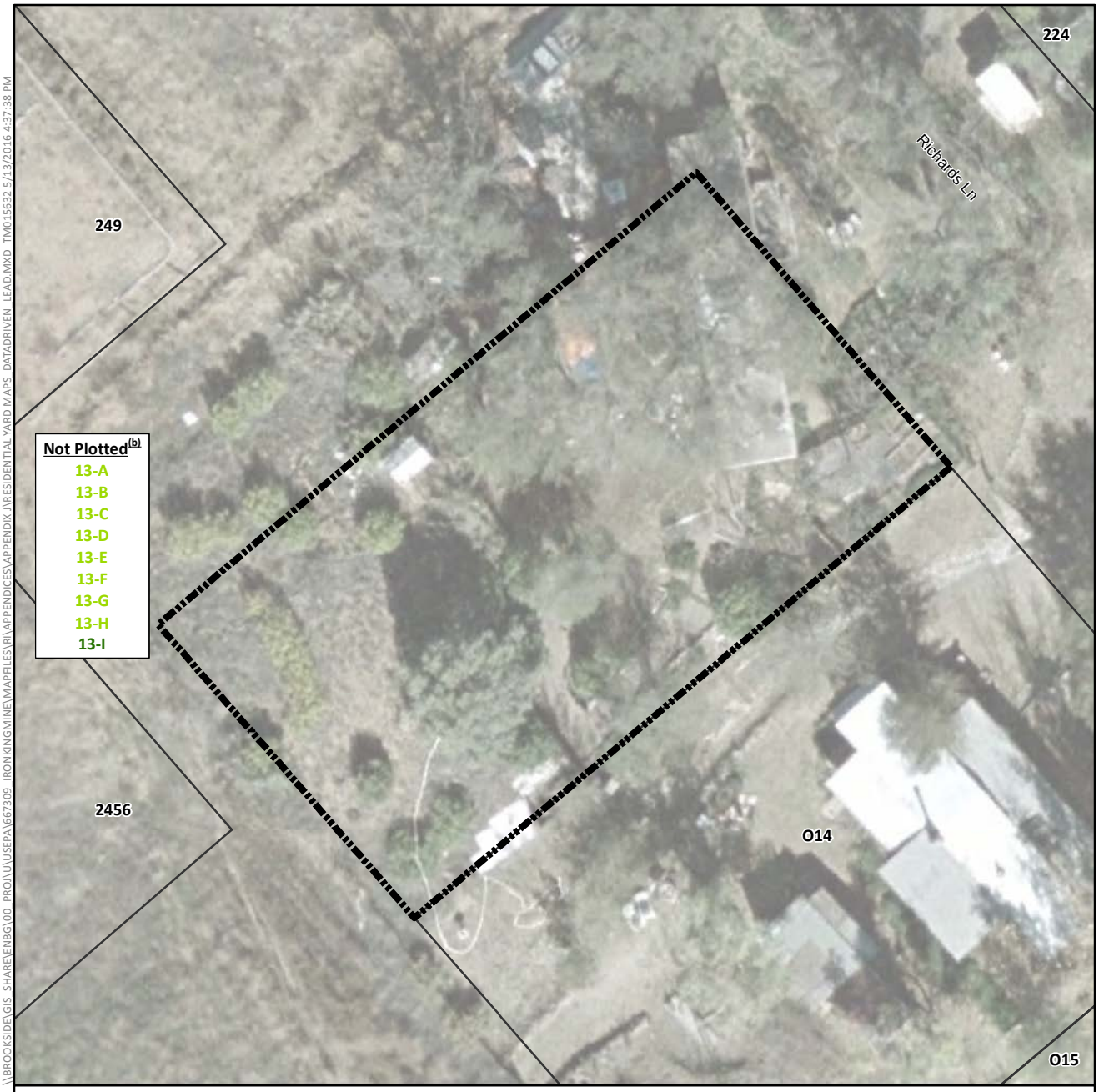
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O12 (Page 486 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



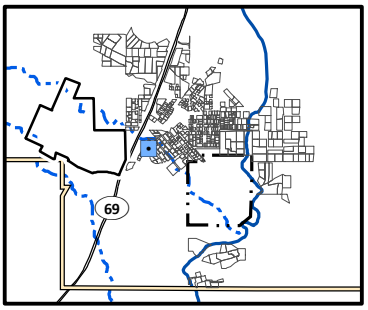
\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_LEAD.MXD TM0156632 5/13/2016 4:37:38 PM

Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 13-A through 13-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 50
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O13 (Page 487 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



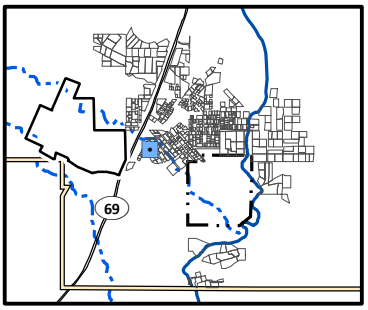
\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\USEPA\667309_IRONKINGMINE\MAPFILES\RI\APPENDICES\APPENDIX J\RESIDENTIAL YARD MAPS_DATADRIVEN_LEAD.MXD TM0156632 5/13/2016 4:37:38 PM

Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 14-A through 14-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).

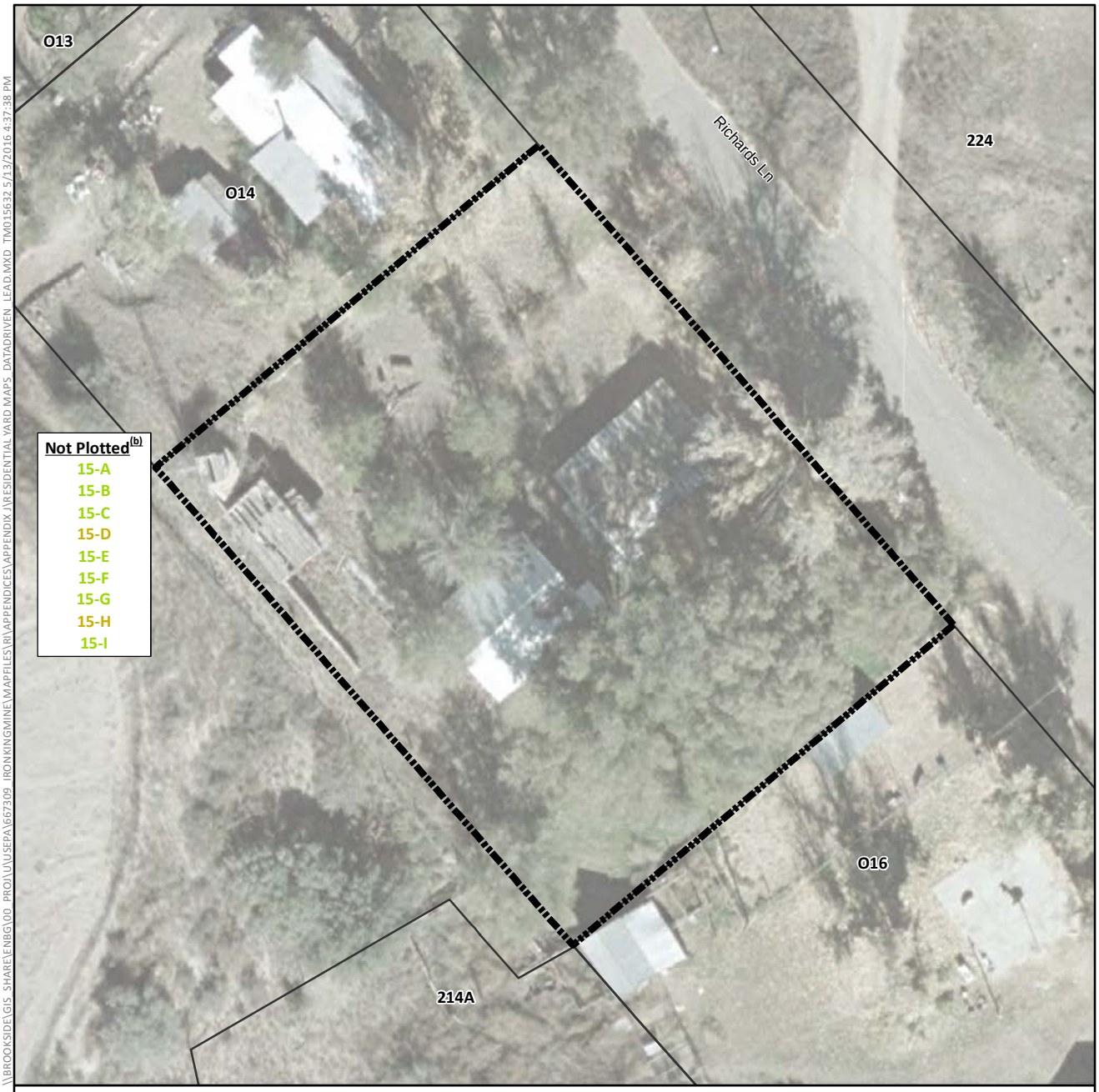


0 50
Scale in Feet

N

Lead Distribution in Surface Soil, Yard O14 (Page 488 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



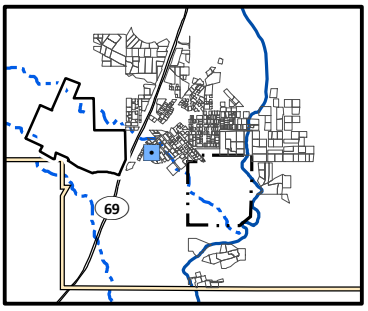
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 15-A through 15-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

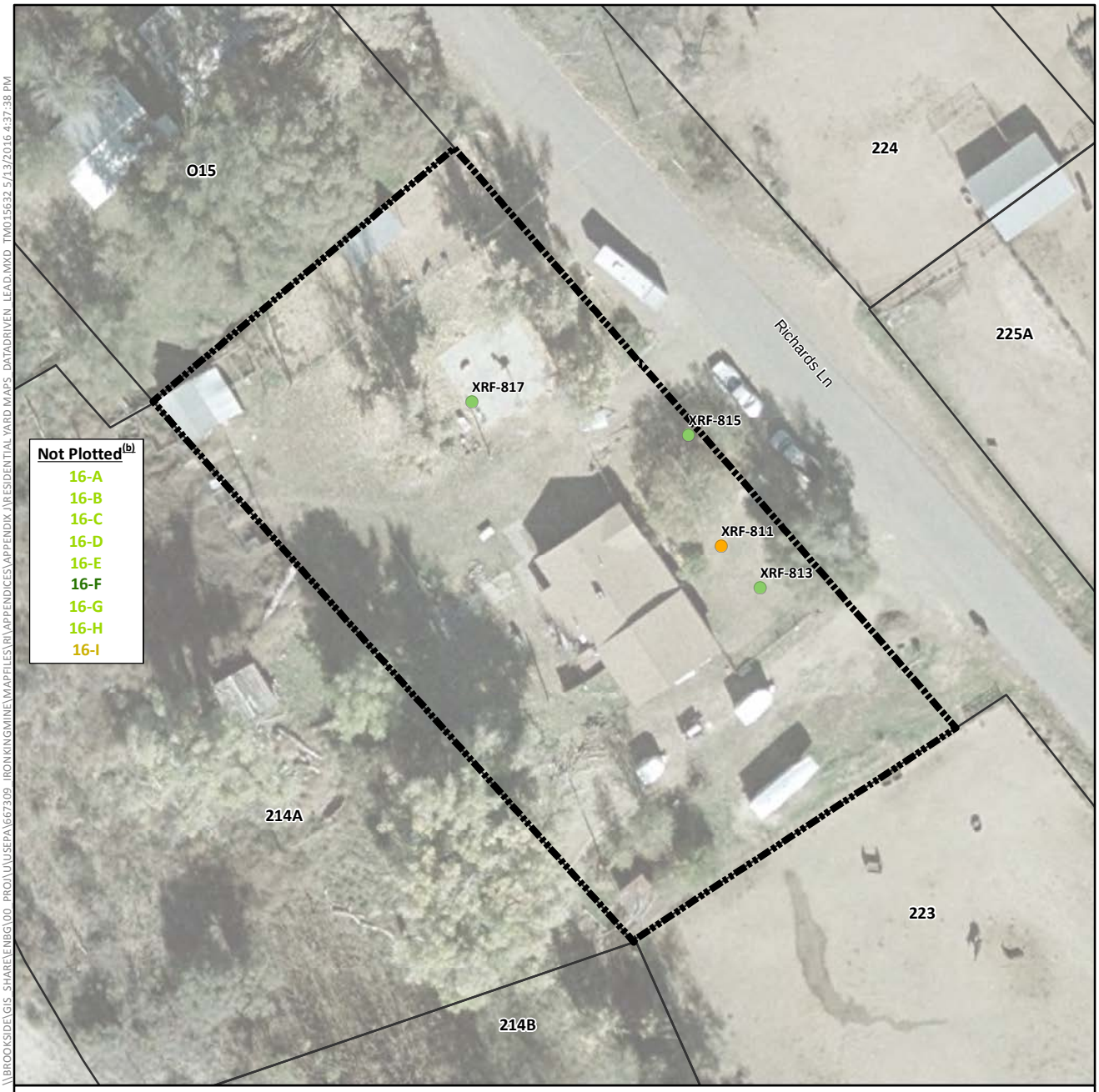
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 70
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O15 (Page 489 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



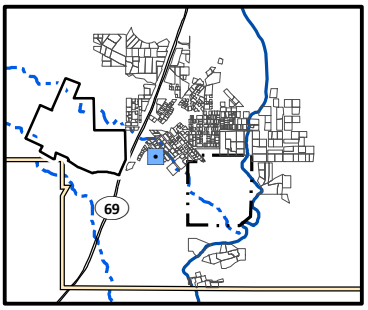
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 16-A through 16-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

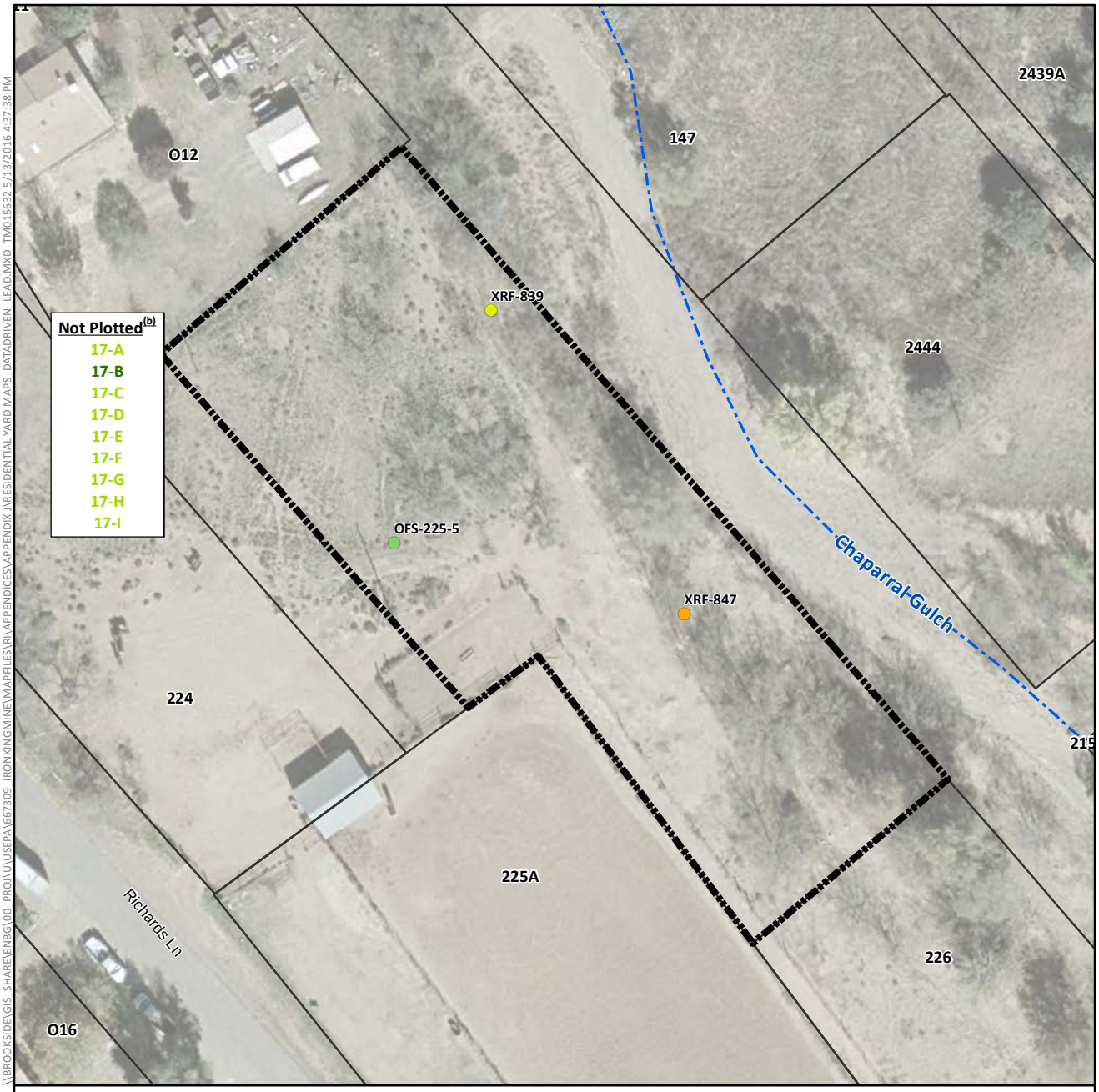
Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 90
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O16 (Page 490 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona



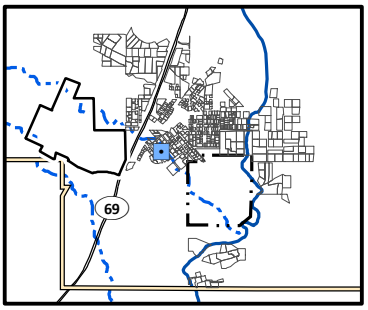
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Lead Concentration in Surface Soil (mg/kg)

- Not Detected
- 0.4 (Lowest Detection) to 35 (Background)
- >35 to 140 (Provisional RSL)
- >140 to 400 (Residential RSL)
- >400 to 1,200
- >1,200 to 2,400
- >2,400 to 4,800
- >4,800 to 20,500 (Highest Detection)
- Pre-Removal Soil Sample Location[a]
- Yard Location in Vicinity Map Inset
- Historic Rail Line
- River
- Intermittent Drainage
- Yard Boundary
- Adjacent Yard Boundary
- Former Iron King Mine Property
- Former Humboldt Smelter Property
- Dewey-Humboldt Town Boundary

[a]Pre-removal samples refer to samples collected from an area subsequently subject to removal action. The color shown for the sample reflects the concentration prior to soil removal.
[b]Sample locations 17-A through 17-I not plotted because location coordinates are not available. Sample location names are color coded using the same color scheme as that used for sample points in the legend above.

Notes:
RSL = EPA Regional Screening Level.
Surface soil samples have a beginning depth less than or equal to 2 feet below ground surface. At locations where multiple samples were collected at less than or equal to 2 feet below ground surface, the symbolized concentration represents the maximum result. Screening levels were used solely to evaluate the nature and extent of contamination; they are not intended to infer the existence of unacceptable risk.
Aerial imagery dated 2010 and provided by Lockheed Martin SERAS (2015).



0 110
Scale in Feet
N

Lead Distribution in Surface Soil, Yard O17 (Page 491 of 491)

Appendix J – Residential Sampling Results and Yard-Specific Maps
Iron King Mine – Humboldt Smelter Superfund Site
Dewey-Humboldt, Yavapai County, Arizona