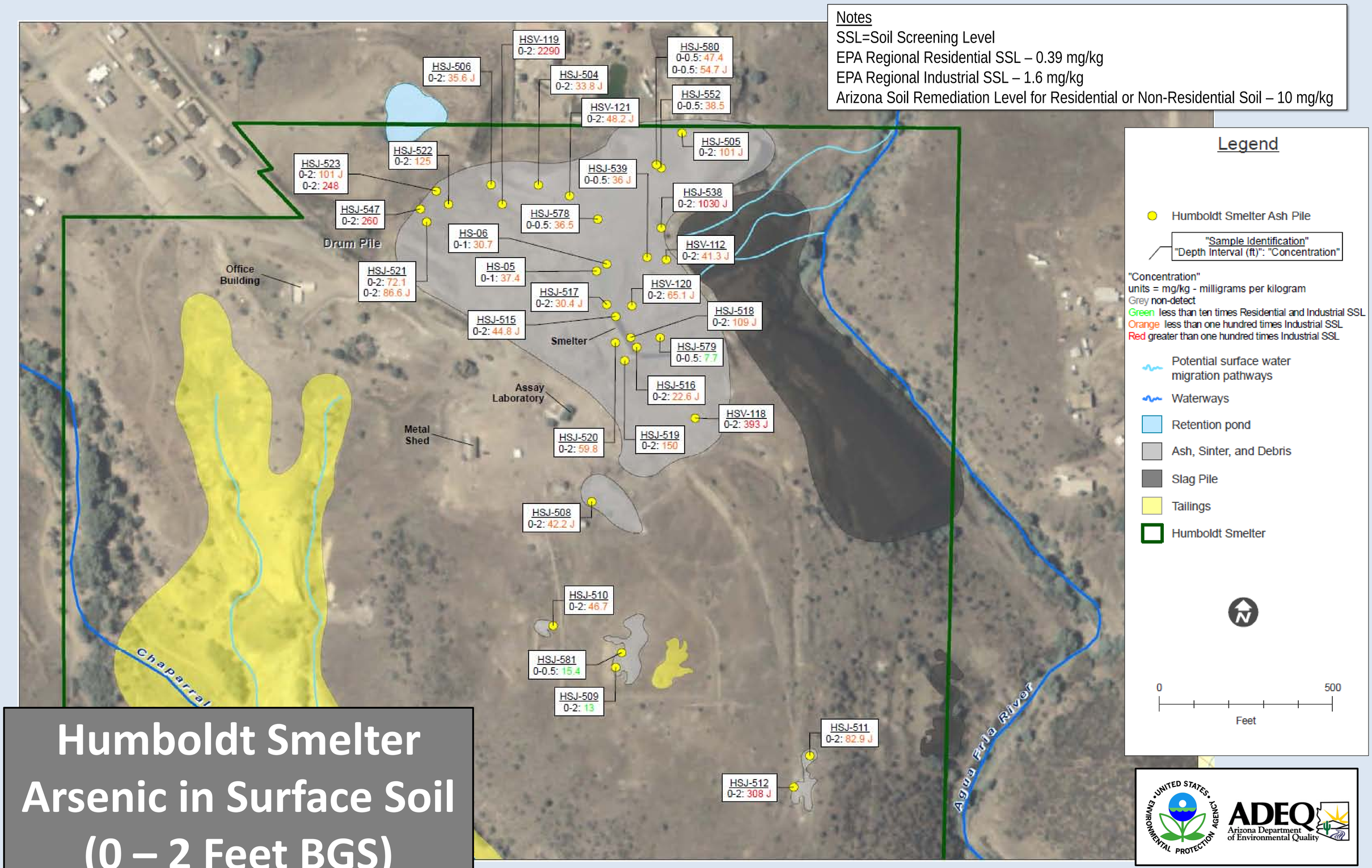
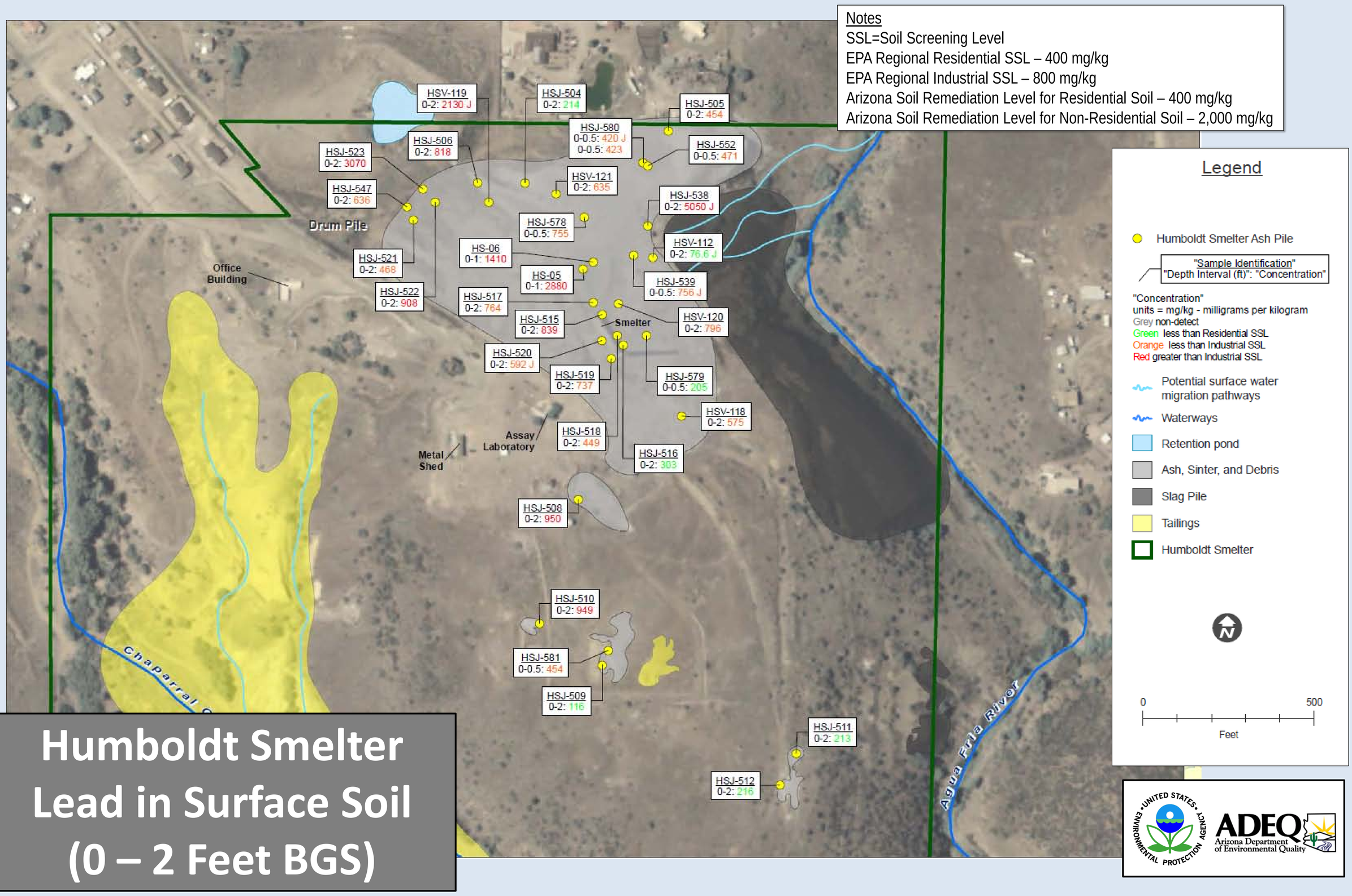

Notes
SSL=Soil Screening Level
EPA Regional Residential SSL – 0.39 mg/kg
EPA Regional Industrial SSL – 1.6 mg/kg
Arizona Soil Remediation Level for Residential or Non-Residential Soil – 10 mg/kg
Legend
Humboldt Smelter Ash Pile
"Sample Identification"
"Depth Interval (ft)": "Concentration"
"Concentration"
units = mg/kg - milligrams per kilogram
Grey non-detect
Green less than ten times Residential and Industrial SSL
Orange less than one hundred times Industrial SSL
Red greater than one hundred times Industrial SSL
Potential surface water migration pathways
Waterways
Retention pond
Ash, Sinter, and Debris
Slag Pile
Tailings
Humboldt Smelter
0
500
Feet
HSV-119 0-2: 2290
HSJ-506 0-2: 35.6 J
HSJ-504 0-2: 33.8 J
HSJ-580 0-0.5: 47.4 0-0.5: 54.7 J
HSJ-552 0-0.5: 38.5
HSV-121 0-2: 48.2 J
HSJ-505 0-2: 101 J
HSJ-522 0-2: 125
HSJ-523 0-2: 101 J 0-2: 248
HSJ-539 0-0.5: 36 J
HSJ-538 0-2: 1030 J
HSJ-547 0-2: 260
HSJ-578 0-0.5: 36.5
HS-06 0-1: 30.7
HSV-112 0-2: 41.3 J
Drum Pile
Office Building
HSJ-521 0-2: 72.1 0-2: 86.6 J
HS-05 0-1: 37.4
HSJ-517 0-2: 30.4 J
HSV-120 0-2: 65.1 J
HSJ-515 0-2: 44.8 J
HSJ-518 0-2: 109 J
Smelter
HSJ-579 0-0.5: 7.7
HSJ-516 0-2: 22.6 J
Assay Laboratory
HSV-118 0-2: 393 J
Metal Shed
HSJ-520 0-2: 59.8
HSJ-519 0-2: 150
HSJ-508 0-2: 42.2 J
HSJ-510 0-2: 46.7
HSJ-581 0-0.5: 15.4
HSJ-509 0-2: 13
HSJ-511 0-2: 82.9 J
HSJ-512 0-2: 308 J
Chaparral
Agua Fria River
Humboldt Smelter
Arsenic in Surface Soil
(0 – 2 Feet BGS)
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ADEQ
Arizona Department of Environmental Quality


Notes
SSL=Soil Screening Level
EPA Regional Residential SSL – 400 mg/kg
EPA Regional Industrial SSL – 800 mg/kg
Arizona Soil Remediation Level for Residential Soil – 400 mg/kg
Arizona Soil Remediation Level for Non-Residential Soil – 2,000 mg/kg
Legend
Humboldt Smelter Ash Pile
"Sample Identification"
"Depth Interval (ft)": "Concentration"
"Concentration"
units = mg/kg - milligrams per kilogram
Grey non-detect
Green less than Residential SSL
Orange less than Industrial SSL
Red greater than Industrial SSL
Potential surface water migration pathways
Waterways
Retention pond
Ash, Sinter, and Debris
Slag Pile
Tailings
Humboldt Smelter
0
500
Feet
HSV-119 0-2: 2130 J
HSJ-504 0-2: 214
HSJ-505 0-2: 454
HSJ-580 0-0.5: 420 J 0-0.5: 423
HSJ-506 0-2: 818
HSJ-523 0-2: 3070
HSJ-552 0-0.5: 471
HSV-121 0-2: 635
HSJ-547 0-2: 636
HSJ-538 0-2: 5050 J
Drum Pile
HSJ-578 0-0.5: 755
HSV-112 0-2: 76.6 J
HS-06 0-1: 1410
HSJ-521 0-2: 468
Office Building
HS-05 0-1: 2880
HSJ-539 0-0.5: 756 J
HSJ-522 0-2: 908
HSJ-517 0-2: 764
HSJ-515 0-2: 839
Smelter
HSV-120 0-2: 796
HSJ-520 0-2: 592 J
HSJ-519 0-2: 737
HSJ-579 0-0.5: 205
HSV-118 0-2: 575
Assay Laboratory
HSJ-518 0-2: 449
Metal Shed
HSJ-516 0-2: 303
HSJ-508 0-2: 950
HSJ-510 0-2: 949
HSJ-581 0-0.5: 454
HSJ-509 0-2: 116
HSJ-511 0-2: 213
HSJ-512 0-2: 216
Chaparral
Agua Fria River
Humboldt Smelter
Lead in Surface Soil
(0 – 2 Feet BGS)
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ADEQ
Arizona Department of Environmental Quality