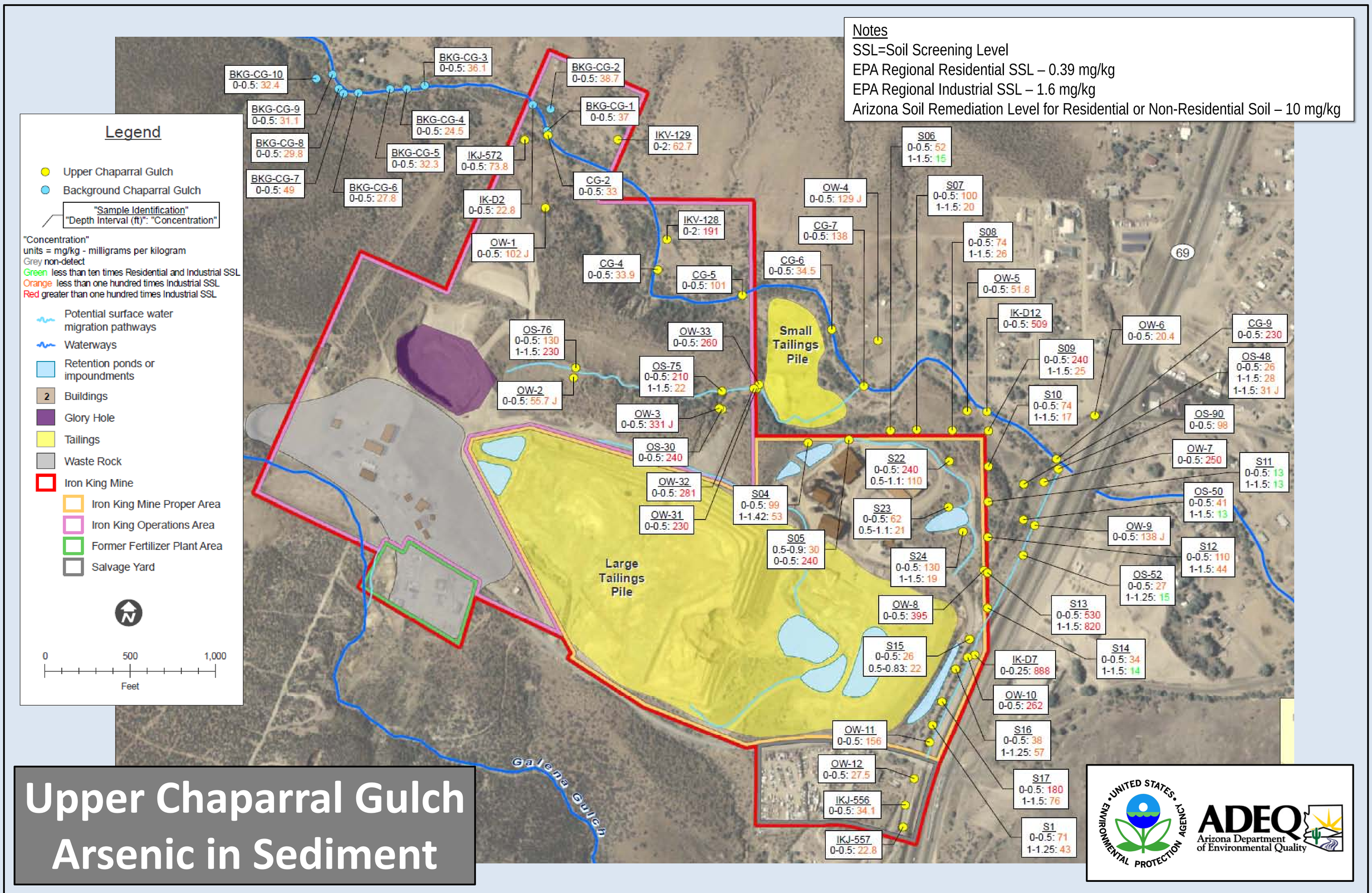
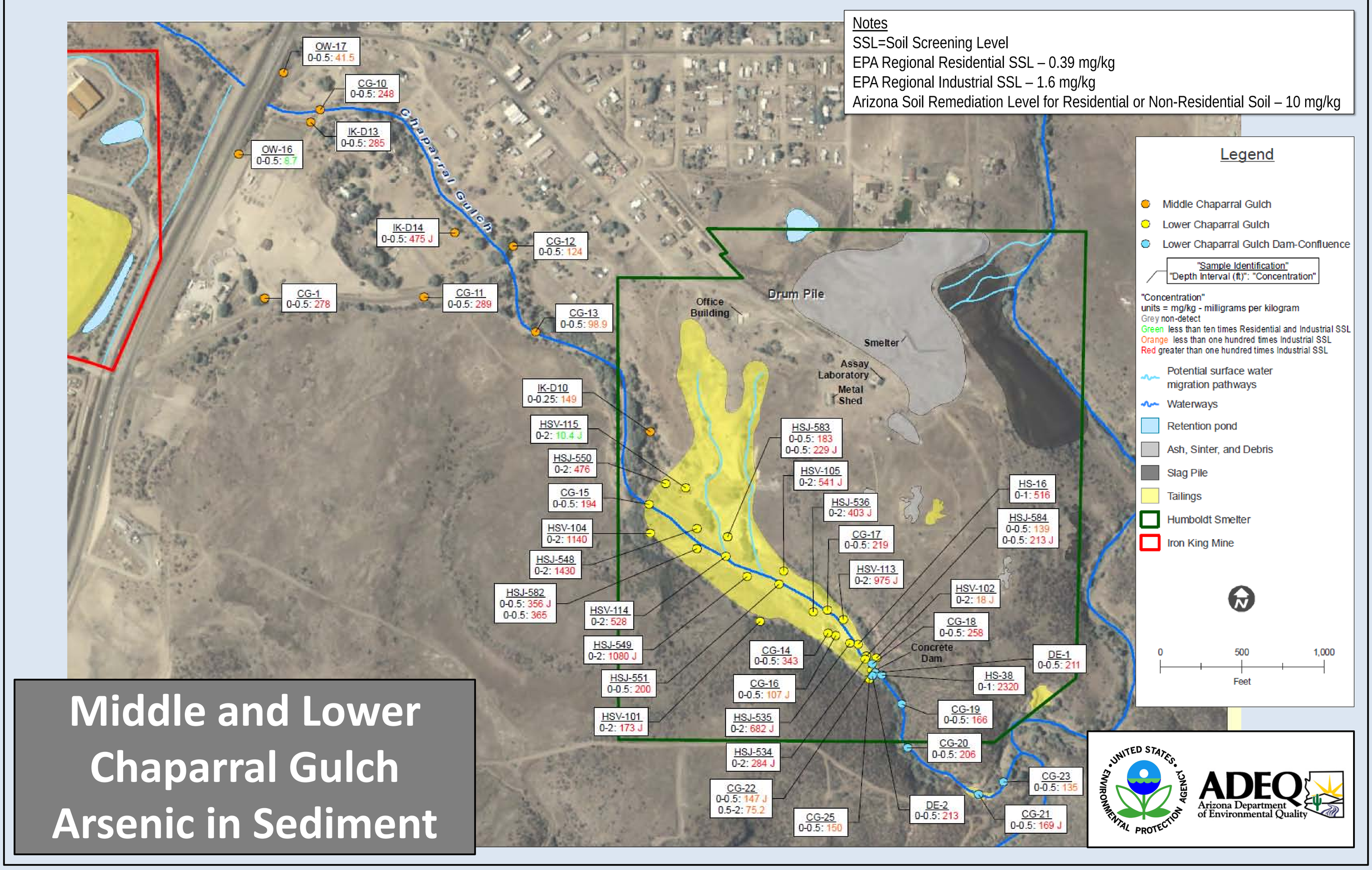

Notes
SSL=Soil Screening Level
EPA Regional Residential SSL – 0.39 mg/kg
EPA Regional Industrial SSL – 1.6 mg/kg
Arizona Soil Remediation Level for Residential or Non-Residential Soil – 10 mg/kg
Legend
Upper Chaparral Gulch
Background Chaparral Gulch
"Sample Identification"
"Depth Interval (ft)": "Concentration"
"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 ponds or impoundments
Buildings
Glory Hole
Tailings
Waste Rock
Iron King Mine
Iron King Mine Proper Area
Iron King Operations Area
Former Fertilizer Plant Area
Salvage Yard
0
500
1,000
Feet
BKG-CG-10 0-0.5: 32.4
BKG-CG-9 0-0.5: 31.1
BKG-CG-8 0-0.5: 29.8
BKG-CG-7 0-0.5: 49
BKG-CG-6 0-0.5: 27.8
BKG-CG-5 0-0.5: 32.3
BKG-CG-4 0-0.5: 24.5
BKG-CG-3 0-0.5: 36.1
BKG-CG-2 0-0.5: 38.7
BKG-CG-1 0-0.5: 37
IKV-129 0-2: 62.7
IKJ-572 0-0.5: 73.8
CG-2 0-0.5: 33
IK-D2 0-0.5: 22.8
OW-1 0-0.5: 102 J
IKV-128 0-2: 191
CG-4 0-0.5: 33.9
CG-5 0-0.5: 101
CG-6 0-0.5: 34.5
CG-7 0-0.5: 138
OW-4 0-0.5: 129 J
S06 0-0.5: 52 1-1.5: 15
S07 0-0.5: 100 1-1.5: 20
S08 0-0.5: 74 1-1.5: 26
OW-5 0-0.5: 51.8
IK-D12 0-0.5: 509
OW-6 0-0.5: 20.4
CG-9 0-0.5: 230
S09 0-0.5: 240 1-1.5: 25
OS-48 0-0.5: 26 1-1.5: 28 1-1.5: 31 J
S10 0-0.5: 74 1-1.5: 17
OS-90 0-0.5: 98
OW-7 0-0.5: 250
S11 0-0.5: 13 1-1.5: 13
OS-50 0-0.5: 41 1-1.5: 13
OW-9 0-0.5: 138 J
S12 0-0.5: 110 1-1.5: 44
OS-52 0-0.5: 27 1-1.25: 15
S13 0-0.5: 530 1-1.5: 820
S14 0-0.5: 34 1-1.5: 14
IK-D7 0-0.25: 888
OW-10 0-0.5: 262
S16 0-0.5: 38 1-1.25: 57
S17 0-0.5: 180 1-1.5: 76
S1 0-0.5: 71 1-1.25: 43
OS-76 0-0.5: 130 1-1.5: 230
OW-2 0-0.5: 55.7 J
OW-33 0-0.5: 260
OS-75 0-0.5: 210 1-1.5: 22
OW-3 0-0.5: 331 J
OS-30 0-0.5: 240
OW-32 0-0.5: 281
OW-31 0-0.5: 230
S04 0-0.5: 99 1-1.42: 53
S05 0.5-0.9: 30 0-0.5: 240
S22 0-0.5: 240 0.5-1.1: 110
S23 0-0.5: 62 0.5-1.1: 21
S24 0-0.5: 130 1-1.5: 19
OW-8 0-0.5: 395
S15 0-0.5: 26 0.5-0.83: 22
OW-11 0-0.5: 156
OW-12 0-0.5: 27.5
IKJ-556 0-0.5: 34.1
IKJ-557 0-0.5: 22.8
Small Tailings Pile
Large Tailings Pile
Galena Gulch
69
Upper Chaparral Gulch Arsenic in Sediment
ADEQ Arizona Department of Environmental Quality
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY


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
Middle Chaparral Gulch
Lower Chaparral Gulch
Lower Chaparral Gulch Dam-Confluence
"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
Iron King Mine
0
500
1,000
Feet
OW-17 0-0.5: 41.5
CG-10 0-0.5: 248
IK-D13 0-0.5: 285
OW-16 0-0.5: 8.7
IK-D14 0-0.5: 475 J
CG-12 0-0.5: 124
CG-1 0-0.5: 278
CG-11 0-0.5: 289
CG-13 0-0.5: 98.9
Chaparral Gulch
Office Building
Drum Pile
Smelter
Assay Laboratory
Metal Shed
Concrete Dam
IK-D10 0-0.25: 149
HSV-115 0-2: 10.4 J
HSJ-550 0-2: 476
CG-15 0-0.5: 194
HSV-104 0-2: 1140
HSJ-548 0-2: 1430
HSJ-582 0-0.5: 356 J 0-0.5: 365
HSV-114 0-2: 528
HSJ-549 0-2: 1080 J
HSJ-551 0-0.5: 200
HSV-101 0-2: 173 J
HSJ-583 0-0.5: 183 0-0.5: 229 J
HSV-105 0-2: 541 J
HSJ-536 0-2: 403 J
CG-17 0-0.5: 219
HSV-113 0-2: 975 J
CG-14 0-0.5: 343
CG-16 0-0.5: 107 J
HSJ-535 0-2: 682 J
HSJ-534 0-2: 284 J
CG-22 0-0.5: 147 J 0.5-2: 75.2
CG-25 0-0.5: 150
HS-16 0-1: 516
HSJ-584 0-0.5: 139 0-0.5: 213 J
HSV-102 0-2: 18 J
CG-18 0-0.5: 258
DE-1 0-0.5: 211
HS-38 0-1: 2320
CG-19 0-0.5: 166
CG-20 0-0.5: 206
CG-23 0-0.5: 135
DE-2 0-0.5: 213
CG-21 0-0.5: 169 J
Middle and Lower Chaparral Gulch Arsenic in Sediment
ADEQ Arizona Department of Environmental Quality
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY