

Appendix K

Supplemental Human Health Risk Assessment (HHRA) Information

Appendix K

Supplemental HHRA Information

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This appendix provides supplemental tabulated information for the human health risk assessment (HHRA) presented in Section 9 of the Remedial Investigation Report for the Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona.

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K1. Samples Used in the Human Health Risk Assessment

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-------------------------------|-----------------------|---------------------|-----------------|----------------|
| 103 | OFS-103-1 | OFS-103-1__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 103 | OFS-103-2 | OFS-103-2__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 103 | OFS-103-3 | OFS-103-3__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 103 | OFS-103-4 | OFS-103-4__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 103 | OFS-103-5 | OFS-103-5__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 103 | OFS-103-5 | OFS-103-5-D__9/15/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/15/2008 |
| 103 | OFS-103-7 | OFS-103-7__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 103 | OFS-103-8 | OFS-103-8__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 103 | OFS-103-9 | OFS-103-9__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 103 | OFS-103-4 | OFS-103-4-A__9/15/2008 | 0.8 | 1 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-1 | OFS-104-1__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-1 | OFS-104-1-D__9/15/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/15/2008 |
| 104 | OFS-104-2 | OFS-104-2__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-3 | OFS-104-3__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-4 | OFS-104-4 Unsieved__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-4 | OFS-104-4__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-5 | OFS-104-5__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-6 | OFS-104-6__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-7 | OFS-104-7__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-8 | OFS-104-8__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-9 | OFS-104-9__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 9/15/2008 |
| 104 | OFS-104-1 | OFS-104-1-A__9/15/2008 | 0.8 | 1 | FIELD SAMPLE | 9/15/2008 |
| 105A | 105-07 | 105-07 | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-07 | 105-07A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-07 | 105-07B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-08 | 105-08A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-08 | 105-08B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-09 | 105-09A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-09 | 105-09B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-07 | 105-107 | 0 | 0.17 | FIELD DUPLICATE | 19-Feb-14 |
| 105A | 105-10 | 105-10A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-10 | 105-10B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-11 | 105-11A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-11 | 105-11B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-12 | 105-12A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-12 | 105-12B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-13 | 105-13A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-13 | 105-13B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-14 | 105-14A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-14 | 105-14B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-15 | 105-15A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-15 | 105-15B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-16 | 105-16A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-16 | 105-16B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-17 | 105-17A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-17 | 105-17B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-18 | 105-18A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-18 | 105-18B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-19 | 105-19 | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-19 | 105-19A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-19 | 105-19B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-20 | 105-20A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-20 | 105-20B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 108-06 | 108-06A | 0 | 0.17 | FIELD SAMPLE | 24-Feb-14 |
| 105A | 108-06 | 108-06B | 0 | 0.17 | FIELD SAMPLE | 24-Feb-14 |
| 105A | OFS-105-3 | OFS-105-3__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 15-Sep-08 |
| 105A | OFS-105-4 | OFS-105-4__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 15-Sep-08 |
| 105A | OFS-105-4 | OFS-105-4-D__9/15/2008 | 0 | 0.2 | FIELD DUPLICATE | 15-Sep-08 |
| 105A | OFS-105-5 | OFS-105-5__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 15-Sep-08 |
| 105A | OFS-105-7 | OFS-105-7__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 15-Sep-08 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|--------------|----------------|
| 105A | OFS-105-6 | OFS-105-6__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 15-Sep-08 |
| 105A | OFS-105-8 | OFS-105-8__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 15-Sep-08 |
| 105A | OFS-105-9 | OFS-105-9__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 15-Sep-08 |
| 105A | OFS-108-7 | OFS-108-7__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 39707 |
| 105A | OFS-105-3 | OFS-105-3-A__9/15/2008 | 0.8 | 1 | FIELD SAMPLE | 15-Sep-08 |
| 105A | 105-21 | 105-21A | 0.83 | 1.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-21 | 105-21B | 0.83 | 1.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-22 | 105-22A | 0.83 | 1.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-22 | 105-22B | 0.83 | 1.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-23 | 105-23A | 0.83 | 1.17 | FIELD SAMPLE | 19-Feb-14 |
| 105A | 105-23 | 105-23B | 0.83 | 1.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-01 | 105-01A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-01 | 105-01B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-02 | 105-02A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-02 | 105-02B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-03 | 105-03A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-03 | 105-03B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-04 | 105-04A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-04 | 105-04B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-05 | 105-05A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-05 | 105-05B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-06 | 105-06A | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | 105-06 | 105-06B | 0 | 0.17 | FIELD SAMPLE | 19-Feb-14 |
| 105B | OFS-105-1 | OFS-105-1__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 15-Sep-08 |
| 105B | OFS-105-2 | OFS-105-2__9/15/2008 | 0 | 0.2 | FIELD SAMPLE | 15-Sep-08 |
| 106 | 106-01 | 106-01 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-01 | 106-01A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-01 | 106-01B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-02 | 106-02A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-02 | 106-02B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-03 | 106-03A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-03 | 106-03B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-04 | 106-04 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-04 | 106-04A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-04 | 106-04B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-05 | 106-05A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-05 | 106-05B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-06 | 106-06A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-06 | 106-06B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-07 | 106-07A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-07 | 106-07B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-08 | 106-08A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-08 | 106-08B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-10 | 106-10A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-10 | 106-10B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-11 | 106-11 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-11 | 106-11A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-11 | 106-11B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-12 | 106-12A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-12 | 106-12B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-13 | 106-13A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-13 | 106-13B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-14 | 106-14A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-14 | 106-14B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-16 | 106-16A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-16 | 106-16B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-17 | 106-17A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-17 | 106-17B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | OFS-106-1 | OFS-106-1__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 106 | OFS-106-2 | OFS-106-2__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 106 | OFS-106-3 | OFS-106-3__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 106 | OFS-106-3 | OFS-106-3-D__9/16/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/16/2008 |
| 106 | OFS-106-4 | OFS-106-4__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 106 | OFS-106-5 | OFS-106-5__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 106 | OFS-106-6 | OFS-106-6__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 106 | OFS-106-7 | OFS-106-7__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 106 | OFS-106-8 | OFS-106-8__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 106 | OFS-106-9 | OFS-106-9__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 106 | HS-42 | HS-42SS__1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| 106 | OFS-106-1 | OFS-106-1-A__9/16/2008 | 0.8 | 1 | FIELD SAMPLE | 9/16/2008 |
| 106 | 106-09 | 106-09A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-09 | 106-09B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-15 | 106-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 106 | 106-15 | 106-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 107A | 107-14 | 107-14A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-14 | 107-14B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-15 | 107-15A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-15 | 107-15B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-16 | 107-16A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-16 | 107-16B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-17 | 107-17A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-17 | 107-17B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-18 | 107-18A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-18 | 107-18B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-19 | 107-19 | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-19 | 107-19A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-19 | 107-19B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-20 | 107-20A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-20 | 107-20B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-21 | 107-21A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-21 | 107-21B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-23 | 107-23A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-23 | 107-23B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-38 | 107-38A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107A | 107-38 | 107-38B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107A | 108-13 | 108-13A | 0 | 0.17 | FIELD SAMPLE | 24-Feb-14 |
| 107A | 108-13 | 108-13B | 0 | 0.17 | FIELD SAMPLE | 24-Feb-14 |
| 107A | 108-14 | 108-14A | 0 | 0.17 | FIELD SAMPLE | 24-Feb-14 |
| 107A | 108-14 | 108-14B | 0 | 0.17 | FIELD SAMPLE | 24-Feb-14 |
| 107A | 107-22 | 107-22A | 0.83 | 1.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 107-22 | 107-22B | 0.83 | 1.17 | FIELD SAMPLE | 05-Mar-14 |
| 107A | 108-15 | 108-15A | 0.83 | 1.17 | FIELD SAMPLE | 24-Feb-14 |
| 107A | 108-15 | 108-15B | 0.83 | 1.17 | FIELD SAMPLE | 24-Feb-14 |
| 107B | 107-02 | 107-02A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-02 | 107-02B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-03 | 107-03A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-03 | 107-03B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-04 | 107-04A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-04 | 107-04B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-05 | 107-05A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-05 | 107-05B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-06 | 107-06A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-06 | 107-06B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-07 | 107-07A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-07 | 107-07B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-08 | 107-08A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-08 | 107-08B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-09 | 107-09 | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-09 | 107-09A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-09 | 107-09B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 107B | 107-10 | 107-11A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-10 | 107-11B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-12 | 107-12A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-12 | 107-12B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-13 | 107-13A | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-13 | 107-13B | 0 | 0.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-30 | 107-30A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-30 | 107-30B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-31 | 107-31A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-31 | 107-31B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-32 | 107-32A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-32 | 107-32B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-33 | 107-33A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-33 | 107-33B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-34 | 107-34A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-34 | 107-34B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-35 | 107-35A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-35 | 107-35B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-36 | 107-36A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-36 | 107-36B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-37 | 107-37 | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-37 | 107-37A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-37 | 107-37B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-39 | 107-39A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-39 | 107-39B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-40 | 107-40A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-40 | 107-40B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-41 | 107-41A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | 107-41 | 107-41B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 107B | OFS-107-1 | OFS-107-1__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 16-Sep-08 |
| 107B | OFS-107-2 | OFS-107-2__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 16-Sep-08 |
| 107B | OFS-107-2 | OFS-107-2-D__9/16/2008 | 0 | 0.2 | FIELD DUPLICATE | 16-Sep-08 |
| 107B | OFS-107-3 | OFS-107-3__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 16-Sep-08 |
| 107B | OFS-107-4 | OFS-107-4__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 16-Sep-08 |
| 107B | OFS-107-5 | OFS-107-5__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 16-Sep-08 |
| 107B | OFS-107-6 | OFS-107-6__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 39707 |
| 107B | OFS-107-7 | OFS-107-7__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 39707 |
| 107B | OFS-107-9 | OFS-107-9__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 16-Sep-08 |
| 107B | OFS-107-8 | OFS-107-8__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 39707 |
| 107B | OFS-107-1 | OFS-107-1-A__9/16/2008 | 0.8 | 1 | FIELD SAMPLE | 16-Sep-08 |
| 107B | 107-01 | 107-01 | 0.83 | 1.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-01 | 107-01A | 0.83 | 1.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-01 | 107-01B | 0.83 | 1.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-10 | 107-10A | 0.83 | 1.17 | FIELD SAMPLE | 05-Mar-14 |
| 107B | 107-10 | 107-10B | 0.83 | 1.17 | FIELD SAMPLE | 05-Mar-14 |
| 108 | 108-01 | 108-01 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-01 | 108-01A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-01 | 108-01B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-02 | 108-02A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-02 | 108-02B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-03 | 108-03 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-03 | 108-03A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-03 | 108-03B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-04 | 108-04A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-04 | 108-04B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-05 | 108-05A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-05 | 108-05B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-07 | 108-07A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-07 | 108-07B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-09 | 108-09A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 108 | 108-09 | 108-09B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-10 | 108-10A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-10 | 108-10B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-11 | 108-11 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-11 | 108-11A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-11 | 108-11B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-12 | 108-12A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-12 | 108-12B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-16 | 108-16A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-16 | 108-16B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-17 | 108-17A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-17 | 108-17B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-18 | 108-18A | 0 | 0.17 | FIELD SAMPLE | 3/27/2014 |
| 108 | 108-18 | 108-18B | 0 | 0.17 | FIELD SAMPLE | 3/27/2014 |
| 108 | 108-30 | 108-30A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-30 | 108-30B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-31 | 108-31A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-31 | 108-31B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-32 | 108-132A | 0 | 0.17 | FIELD DUPLICATE | 5/8/2014 |
| 108 | 108-32 | 108-132B | 0 | 0.17 | FIELD DUPLICATE | 5/8/2014 |
| 108 | 108-32 | 108-32A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-32 | 108-32B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-33 | 108-33A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-33 | 108-33B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-34 | 108-34A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-34 | 108-34B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-35 | 108-35 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-35 | 108-35A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-35 | 108-35B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-36 | 108-36A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | 108-36 | 108-36B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 108 | OFS-108-1 | OFS-108-1__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 108 | OFS-108-2 | OFS-108-2__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 108 | OFS-108-3 | OFS-108-3__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 108 | OFS-108-4 | OFS-108-4__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 108 | OFS-108-5 | OFS-108-5__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 108 | OFS-108-6 | OFS-108-6__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 108 | OFS-108-7 | OFS-108-7__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 108 | OFS-108-8 | OFS-108-8__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 108 | OFS-108-9 | OFS-108-9__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 108 | OFS-108-9 | OFS-108-9-D__9/16/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/16/2008 |
| 108 | OFS-108-2 | OFS-108-2-A__9/16/2008 | 0.8 | 1 | FIELD SAMPLE | 9/16/2008 |
| 108 | 108-08 | 108-08A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-08 | 108-08B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 108 | 108-19 | 108-19A | 0.83 | 1.17 | FIELD SAMPLE | 3/27/2014 |
| 108 | 108-19 | 108-19B | 0.83 | 1.17 | FIELD SAMPLE | 3/27/2014 |
| 109 | 109-01 | 109-01A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-01 | 109-01B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-02 | 109-02A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-02 | 109-02B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-03 | 109-03A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-03 | 109-03B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-04 | 109-04A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-04 | 109-04B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-05 | 109-05A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-05 | 109-05B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-06 | 109-06A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-06 | 109-06B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-07 | 109-07A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-07 | 109-07B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 109 | 109-08 | 109-08A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-08 | 109-08B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-09 | 109-09A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-09 | 109-09B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-15 | 109-15A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-15 | 109-15B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 109 | 109-18 | 109-18 | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 109 | 109-18 | 109-18A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 109 | 109-18 | 109-18B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 109 | 109-20 | 109-20A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 109 | 109-20 | 109-20B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 109 | OFS-109-1 | OFS-109-1__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 109 | OFS-109-2 | OFS-109-2__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 109 | OFS-109-3 | OFS-109-3__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 109 | OFS-109-4 | OFS-109-4__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 109 | OFS-109-5 | OFS-109-5__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 109 | OFS-109-5 | OFS-109-5-D__9/16/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/16/2008 |
| 109 | OFS-109-6 | OFS-109-6__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 109 | OFS-109-7 | OFS-109-7__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 109 | OFS-109-8 | OFS-109-8__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 109 | OFS-109-9 | OFS-109-9__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 109 | OFS-109-1 | OFS-109-1-A__9/16/2008 | 0.8 | 1 | FIELD SAMPLE | 9/16/2008 |
| 109 | 109-19 | 109-19A | 0.83 | 1.17 | FIELD SAMPLE | 3/25/2014 |
| 109 | 109-19 | 109-19B | 0.83 | 1.17 | FIELD SAMPLE | 3/25/2014 |
| 109 | 109-21 | 109-21A | 0.83 | 1.17 | FIELD SAMPLE | 3/25/2014 |
| 109 | 109-21 | 109-21B | 0.83 | 1.17 | FIELD SAMPLE | 3/25/2014 |
| 110 | OFS-110-1 | OFS-110-1__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 110 | OFS-110-2 | OFS-110-2__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 110 | OFS-110-3 | OFS-110-3__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 110 | OFS-110-4 | OFS-110-4__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 110 | OFS-110-5 | OFS-110-5__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 110 | OFS-110-6 | OFS-110-6__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 110 | OFS-110-7 | OFS-110-7__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 110 | OFS-110-7 | OFS-110-7-D__9/16/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/16/2008 |
| 110 | OFS-110-8 | OFS-110-8__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 110 | OFS-110-9 | OFS-110-9__9/16/2008 | 0 | 0.2 | FIELD SAMPLE | 9/16/2008 |
| 110 | OFS-110-3 | OFS-110-3-A__9/16/2008 | 0.8 | 1 | FIELD SAMPLE | 9/16/2008 |
| 1101A | 1101A-01 | 1101A-01A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-01 | 1101A-01B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-02 | 1101A-02A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-02 | 1101A-02B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-03 | 1101A-03A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-03 | 1101A-03B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-04 | 1101A-04A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-04 | 1101A-04B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-05 | 1101A-05A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-05 | 1101A-05B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-06 | 1101A-06A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-06 | 1101A-06B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-07 | 1101A-07A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-07 | 1101A-07B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-08 | 1101A-08A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-08 | 1101A-08B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-10 | 1101A-10A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-10 | 1101A-10B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-11 | 1101A-11A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-11 | 1101A-11B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | XRF-311 | XRF-311 | 0 | 0.2 | FIELD SAMPLE | 4/19/2012 |
| 1101A | XRF-311 | XRF-312 | 0.67 | 0.67 | FIELD SAMPLE | 4/19/2012 |
| 1101A | 1101A-08 | 1101A-09 | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1101A | 1101A-08 | 1101A-09A | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |
| 1101A | 1101A-08 | 1101A-09B | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-01 | 1101B-01A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-01 | 1101B-01B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-02 | 1101B-02A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-02 | 1101B-02B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-03 | 1101B-03A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-03 | 1101B-03B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-04 | 1101B-04A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-04 | 1101B-04B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-05 | 1101B-05A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-05 | 1101B-05B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-06 | 1101B-06A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-06 | 1101B-06B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-07 | 1101B-07A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-07 | 1101B-07B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-09 | 1101B-09A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-09 | 1101B-09B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-10 | 1101B-10A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-10 | 1101B-10B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-11 | 1101B-11A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-11 | 1101B-11B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-07 | 1101B-08A | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |
| 1101B | 1101B-07 | 1101B-08B | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |
| 1102 | 1102-03 | 1102-03 | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 1102 | 1102-03 | 1102-03A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 1102 | 1102-03 | 1102-03B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 1102 | 1102-04 | 1102-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-04 | 1102-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-05 | 1102-05 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-05 | 1102-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-05 | 1102-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-06 | 1102-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-06 | 1102-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-07 | 1102-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-07 | 1102-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-08 | 1102-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-08 | 1102-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-09 | 1102-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-09 | 1102-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-10 | 1102-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-10 | 1102-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-11 | 1102-11A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-11 | 1102-11B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-12 | 1102-12A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-12 | 1102-12B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-13 | 1102-13A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-13 | 1102-13B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-14 | 1102-14A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-14 | 1102-14B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-15 | 1102-15 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-15 | 1102-15A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-15 | 1102-15B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-16 | 1102-16A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-16 | 1102-16B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-19 | 1102-19A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1102 | 1102-19 | 1102-19B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1102 | 1102-17 | 1102-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-17 | 1102-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1102 | 1102-18 | 1102-18A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1102 | 1102-18 | 1102-18B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1104A | 1104A-01 | 1104A-01A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-01 | 1104A-01B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-03 | 1104A-03A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-03 | 1104A-03B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-04 | 1104A-04 | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-04 | 1104A-04A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-04 | 1104A-04B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-05 | 1104A-05A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-05 | 1104A-05B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-06 | 1104A-06A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-06 | 1104A-06B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-07 | 1104A-07A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-07 | 1104A-07B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-08 | 1104A-08A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-08 | 1104A-08B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-09 | 1104A-09A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-09 | 1104A-09B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-10 | 1104A-10A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-10 | 1104A-10B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-11 | 1104A-11A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-11 | 1104A-11B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-01 | 1104A-02A | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |
| 1104A | 1104A-01 | 1104A-02B | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-01 | 1104B-01 | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-01 | 1104B-01A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-01 | 1104B-01B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-02 | 1104B-02A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-02 | 1104B-02B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-03 | 1104B-03A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-03 | 1104B-03B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-04 | 1104B-04A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-04 | 1104B-04B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-05 | 1104B-05A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-05 | 1104B-05B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-07 | 1104B-07A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-07 | 1104B-07B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-08 | 1104B-08A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-08 | 1104B-08B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-09 | 1104B-09A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-09 | 1104B-09B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-10 | 1104B-10A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-10 | 1104B-10B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-11 | 1104B-11 | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-11 | 1104B-11A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-11 | 1104B-11B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-13 | 1104B-13A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-13 | 1104B-13B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-14 | 1104B-14A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-14 | 1104B-14B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-15 | 1104B-15A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-15 | 1104B-15B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-16 | 1104B-16A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-16 | 1104B-16B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-17 | 1104B-17A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-17 | 1104B-17B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-05 | 1104B-06A | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-05 | 1104B-06B | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-12 | 1104B-12A | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |
| 1104B | 1104B-12 | 1104B-12B | 0.83 | 1.17 | FIELD SAMPLE | 5/7/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 1106 | 1106-01 | 1106-01 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-01 | 1106-01A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-01 | 1106-01B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-02 | 1106-02A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-02 | 1106-02B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-03 | 1106-03A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-03 | 1106-03B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-04 | 1106-04A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-04 | 1106-04B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-06 | 1106-06A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-06 | 1106-06B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-07 | 1106-07A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-07 | 1106-07B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-08 | 1106-08A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-08 | 1106-08B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-09 | 1106-09A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-09 | 1106-09B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-10 | 1106-10A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-10 | 1106-10B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-12 | 1106-12A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-12 | 1106-12B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-13 | 1106-13A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-13 | 1106-13B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-15 | 1106-15A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-15 | 1106-15B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-16 | 1106-16A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-16 | 1106-16B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-17 | 1106-17A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-17 | 1106-17B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-18 | 1106-18A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-18 | 1106-18B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-19 | 1106-19A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-19 | 1106-19B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-20 | 1106-20A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-20 | 1106-20B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-21 | 1106-21 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-21 | 1106-21A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-21 | 1106-21B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-22 | 1106-22A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-22 | 1106-22B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-23 | 1106-123A | 0 | 0.17 | FIELD DUPLICATE | 5/8/2014 |
| 1106 | 1106-23 | 1106-123B | 0 | 0.17 | FIELD DUPLICATE | 5/8/2014 |
| 1106 | 1106-23 | 1106-23A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-23 | 1106-23B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-04 | 1106-05A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-04 | 1106-05B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-10 | 1106-11 | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-10 | 1106-11A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-10 | 1106-11B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-13 | 1106-14A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1106 | 1106-13 | 1106-14B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-01 | 1107-01A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-01 | 1107-01B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-02 | 1107-02A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-02 | 1107-02B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-03 | 1107-03A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-03 | 1107-03B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-04 | 1107-04A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-04 | 1107-04B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-05 | 1107-05A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 1107 | 1107-05 | 1107-05B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-06 | 1107-06A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-06 | 1107-06B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-07 | 1107-07 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-07 | 1107-07A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-07 | 1107-07B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-08 | 1107-08A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-08 | 1107-08B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-09 | 1107-09A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-09 | 1107-09B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-11 | 1107-11A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-11 | 1107-11B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-12 | 1107-12A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-12 | 1107-12B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-13 | 1107-13A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-13 | 1107-13B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-14 | 1107-14A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-14 | 1107-14B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-16 | 1107-16A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-16 | 1107-16B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-17 | 1107-17 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-17 | 1107-17A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-17 | 1107-17B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-18 | 1107-18A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-18 | 1107-18B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-19 | 1107-19A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-19 | 1107-19B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-20 | 1107-20A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-20 | 1107-20B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-21 | 1107-21A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-21 | 1107-21B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-22 | 1107-22A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-22 | 1107-22B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-10 | 1107-10A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-10 | 1107-10B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-14 | 1107-15A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-14 | 1107-15B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-22 | 1107-23A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1107 | 1107-22 | 1107-23B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 1108 | XRF-909 | XRF-909a __5/28/2013 | 0 | 0.08 | FIELD SAMPLE | 5/28/2013 |
| 1108 | XRF-909 | XRF-909b __5/28/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/28/2013 |
| 1108 | 1108-01 | 1108-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-01 | 1108-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-02 | 1108-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-02 | 1108-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-03 | 1108-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-03 | 1108-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-04 | 1108-04 | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-04 | 1108-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-04 | 1108-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-05 | 1108-05A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-05 | 1108-05B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1108 | 1108-06 | 1108-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-06 | 1108-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-07 | 1108-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-07 | 1108-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-08 | 1108-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-08 | 1108-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-09 | 1108-09 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-09 | 1108-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 1108 | 1108-09 | 1108-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-10 | 1108-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-10 | 1108-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-11 | 1108-11A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-11 | 1108-11B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-12 | 1108-12A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-12 | 1108-12B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-13 | 1108-13A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-13 | 1108-13B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-14 | 1108-14A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-14 | 1108-14B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-15 | 1108-15A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-15 | 1108-15B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-16 | 1108-16A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-16 | 1108-16B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-17 | 1108-17A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-17 | 1108-17B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-18 | 1108-18A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-18 | 1108-18B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-19 | 1108-19 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-19 | 1108-19A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-19 | 1108-19B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-20 | 1108-20A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-20 | 1108-20B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-21 | 1108-21A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-21 | 1108-21B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-22 | 1108-22A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-22 | 1108-22B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-23 | 1108-23A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-23 | 1108-23B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-24 | 1108-24A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | 1108-24 | 1108-24B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 1108 | XRF-909 | XRF-910a_5/23/2013 | 0.91 | 1 | FIELD SAMPLE | 5/23/2013 |
| 1108 | XRF-909 | XRF-910b_5/23/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/23/2013 |
| 112 | OFS-112-1 | OFS-112-1_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 112 | OFS-112-1 | OFS-112-1-D_9/17/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/17/2008 |
| 112 | OFS-112-2 | OFS-112-2_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 112 | OFS-112-3 | OFS-112-3_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 112 | OFS-112-4 | OFS-112-4_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 112 | OFS-112-5 | OFS-112-5_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 112 | OFS-112-6 | OFS-112-6_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 112 | OFS-112-7 | OFS-112-7_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 112 | OFS-112-8 | OFS-112-8_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 112 | OFS-112-9 | OFS-112-9_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 112 | OFS-112-1 | OFS-112-1-A_9/17/2008 | 0.8 | 1 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-1 | OFS-113-1_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-1 | OFS-113-1-D_9/17/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/17/2008 |
| 113 | OFS-113-2 | OFS-113-2_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-3 | OFS-113-3_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-4 | OFS-113-4_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-5 | OFS-113-5_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-6 | OFS-113-6_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-7 | OFS-113-7_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-8 | OFS-113-8_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-9 | OFS-113-9_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 113 | OFS-113-6 | OFS-113-6-A_9/17/2008 | 0.8 | 1 | FIELD SAMPLE | 9/17/2008 |
| 114 | OFS-114-1 | OFS-114-1_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 114 | OFS-114-1 | OFS-114-1-D_9/17/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/17/2008 |
| 114 | OFS-114-2 | OFS-114-2_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 114 | OFS-114-3 | OFS-114-3_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 114 | OFS-114-4 | OFS-114-4__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 114 | OFS-114-5 | OFS-114-5__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 114 | OFS-114-6 | OFS-114-6__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 114 | OFS-114-7 | OFS-114-7__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 114 | OFS-114-8 | OFS-114-8__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 114 | OFS-114-9 | OFS-114-9__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 114 | OFS-114-1 | OFS-114-1-A__9/17/2008 | 0.8 | 1 | FIELD SAMPLE | 9/17/2008 |
| 115 | 115-01 | 115-01A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-01 | 115-01B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-03 | 115-03A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-03 | 115-03B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-04 | 115-04A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-04 | 115-04B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-05 | 115-05A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-05 | 115-05B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-07 | 115-07A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-07 | 115-07B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-08 | 115-08A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-08 | 115-08B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-09 | 115-09A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-09 | 115-09B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-10 | 115-10A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-10 | 115-10B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-11 | 115-11A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-11 | 115-11B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-12 | 115-12A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-12 | 115-12B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-13 | 115-13A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-13 | 115-13B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-14 | 115-14A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-14 | 115-14B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-15 | 115-15A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-15 | 115-15B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-17 | 115-17A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-17 | 115-17B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | OFS-115-1 | OFS-115-1__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 115 | OFS-115-1 | OFS-115-1-D__9/17/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/17/2008 |
| 115 | OFS-115-2 | OFS-115-2__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 115 | OFS-115-3 | OFS-115-3__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 115 | OFS-115-4 | OFS-115-4__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 115 | OFS-115-5 | OFS-115-5__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 115 | OFS-115-6 | OFS-115-6__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 115 | OFS-115-7 | OFS-115-7__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 115 | OFS-115-8 | OFS-115-8__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 115 | OFS-115-9 | OFS-115-9__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 115 | OFS-115-1 | OFS-115-1-A__9/17/2008 | 0.8 | 1 | FIELD SAMPLE | 9/17/2008 |
| 115 | 115-01 | 115-02A | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-01 | 115-02B | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-06 | 115-06 | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-06 | 115-06A | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-06 | 115-06B | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-16 | 115-16 | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-16 | 115-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-16 | 115-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-18 | 115-18A | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 115 | 115-18 | 115-18B | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 116 | OFS-116-1 | OFS-116-1__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 116 | OFS-116-1 | OFS-116-1-D__9/17/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/17/2008 |
| 116 | OFS-116-2 | OFS-116-2__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 116 | OFS-116-3 | OFS-116-3__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 116 | OFS-116-4 | OFS-116-4_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 116 | OFS-116-5 | OFS-116-5_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 116 | OFS-116-6 | OFS-116-6_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 116 | OFS-116-7 | OFS-116-7_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 116 | OFS-116-8 | OFS-116-8_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 116 | OFS-116-9 | OFS-116-9_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 116 | OFS-116-1 | OFS-116-1-A_9/17/2008 | 0.8 | 1 | FIELD SAMPLE | 9/17/2008 |
| 117 | XRF-843 | XRF-843a_5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| 117 | XRF-843 | XRF-843b_5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| 117 | OFS-117-1 | OFS-117-1_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 117 | OFS-117-1 | OFS-117-1-D_9/17/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/17/2008 |
| 117 | OFS-117-2 | OFS-117-2_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 117 | OFS-117-3 | OFS-117-3_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 117 | OFS-117-4 | OFS-117-4_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 117 | OFS-117-5 | OFS-117-5_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 117 | OFS-117-6 | OFS-117-6_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 117 | OFS-117-7 | OFS-117-7_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 117 | OFS-117-8 | OFS-117-8_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 117 | OFS-117-9 | OFS-117-9_9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| 117 | OFS-117-1 | OFS-117-1-A_9/17/2008 | 0.8 | 1 | FIELD SAMPLE | 9/17/2008 |
| 117 | XRF-843 | XRF-844a_5/30/2013 | 0.91 | 1 | FIELD SAMPLE | 5/30/2013 |
| 117 | XRF-843 | XRF-844b_5/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/30/2013 |
| 119 | OFS-119-1 | OFS-119-1_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 119 | OFS-119-2 | OFS-119-2_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 119 | OFS-119-3 | OFS-119-3_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 119 | OFS-119-4 | OFS-119-4_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 119 | OFS-119-5 | OFS-119-5_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 119 | OFS-119-6 | OFS-119-6_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 119 | OFS-119-6 | OFS-119-6-D_9/18/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/18/2008 |
| 119 | OFS-119-7 | OFS-119-7_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 119 | OFS-119-8 | OFS-119-8_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 119 | OFS-119-9 | OFS-119-9_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 119 | OFS-119-9 | OFS-119-9-D_9/18/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/18/2008 |
| 119 | OFS-119-1 | OFS-119-1-A_9/18/2008 | 0.8 | 1 | FIELD SAMPLE | 9/18/2008 |
| 120 | 120-20 | 120-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-20 | 120-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-21 | 120-21A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-21 | 120-21B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-22 | 120-22A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-22 | 120-22B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-23 | 120-23A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-23 | 120-23B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-24 | 120-24 | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-24 | 120-24A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | 120-24 | 120-24B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 120 | OFS-120-1 | OFS-120-1_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 120 | OFS-120-2 | OFS-120-2_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 120 | OFS-120-3 | OFS-120-3_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 120 | OFS-120-4 | OFS-120-4_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 120 | OFS-120-5 | OFS-120-5_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 120 | OFS-120-5 | OFS-120-5-D_9/18/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/18/2008 |
| 120 | OFS-120-6 | OFS-120-6_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 120 | OFS-120-7 | OFS-120-7_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 120 | OFS-120-8 | OFS-120-8_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 120 | OFS-120-9 | OFS-120-9_9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 120 | OFS-120-7 | OFS-120-7-A_9/18/2008 | 0.8 | 1 | FIELD SAMPLE | 9/18/2008 |
| 121 | 121-01 | 121-01A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-01 | 121-01B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-02 | 121-02A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-02 | 121-02B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 121 | 121-03 | 121-03 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-03 | 121-03A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-03 | 121-03B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-04 | 121-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-04 | 121-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-05 | 121-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-05 | 121-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-06 | 121-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-06 | 121-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-07 | 121-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-07 | 121-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-08 | 121-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-08 | 121-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-09 | 121-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-09 | 121-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-10 | 121-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-10 | 121-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-11 | 121-11A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-11 | 121-11B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-12 | 121-12A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-12 | 121-12B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-13 | 121-13 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-13 | 121-13A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-13 | 121-13B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-14 | 121-14A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-14 | 121-14B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-15 | 121-15A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-15 | 121-15B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | OFS-121-1 | OFS-121-1__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 121 | OFS-121-2 | OFS-121-2__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 121 | OFS-121-3 | OFS-121-3__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 121 | OFS-121-4 | OFS-121-4__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 121 | OFS-121-5 | OFS-121-5__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 121 | OFS-121-6 | OFS-121-6__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 121 | OFS-121-7 | OFS-121-7__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 121 | OFS-121-7 | OFS-121-7-D__9/18/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/18/2008 |
| 121 | OFS-121-8 | OFS-121-8__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 121 | OFS-121-9 | OFS-121-9__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 121 | OFS-121-3 | OFS-121-3-A__9/18/2008 | 0.8 | 1 | FIELD SAMPLE | 9/18/2008 |
| 121 | 121-16 | 121-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-16 | 121-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-17 | 121-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 121 | 121-17 | 121-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 122 | OFS-122-1 | OFS-122-1__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 122 | OFS-122-2 | OFS-122-2__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 122 | OFS-122-3 | OFS-122-3__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 122 | OFS-122-4 | OFS-122-4__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 122 | OFS-122-5 | OFS-122-5__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 122 | OFS-122-6 | OFS-122-6__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 122 | OFS-122-7 | OFS-122-7__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 122 | OFS-122-8 | OFS-122-8__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 122 | OFS-122-8 | OFS-122-8-D__9/18/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/18/2008 |
| 122 | OFS-122-9 | OFS-122-9__9/18/2008 | 0 | 0.2 | FIELD SAMPLE | 9/18/2008 |
| 122 | OFS-122-2 | OFS-122-2-A__9/18/2008 | 0.8 | 1 | FIELD SAMPLE | 9/18/2008 |
| 126 | 126-01 | 126-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-01 | 126-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-03 | 126-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-03 | 126-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-04 | 126-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-04 | 126-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 126 | 126-05 | 126-05 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-05 | 126-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-05 | 126-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-06 | 126-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-06 | 126-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-07 | 126-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-07 | 126-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-08 | 126-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-08 | 126-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-09 | 126-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-09 | 126-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-11 | 126-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-11 | 126-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-12 | 126-12A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-12 | 126-12B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-13 | 126-13A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-13 | 126-13B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-14 | 126-14 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-14 | 126-14A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-14 | 126-14B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-15 | 126-15 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-15 | 126-15A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-15 | 126-15B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-16 | 126-16A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-16 | 126-16B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-17 | 126-17A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-17 | 126-17B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | OFS-126-1 | OFS-126-1__9/29/2008 | 0 | 0.2 | FIELD SAMPLE | 9/29/2008 |
| 126 | OFS-126-2 | OFS-126-2__9/29/2008 | 0 | 0.2 | FIELD SAMPLE | 9/29/2008 |
| 126 | OFS-126-3 | OFS-126-3__9/29/2008 | 0 | 0.2 | FIELD SAMPLE | 9/29/2008 |
| 126 | OFS-126-3 | OFS-126-3-D__9/29/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/29/2008 |
| 126 | OFS-126-4 | OFS-126-4__9/29/2008 | 0 | 0.2 | FIELD SAMPLE | 9/29/2008 |
| 126 | OFS-126-5 | OFS-126-5__9/29/2008 | 0 | 0.2 | FIELD SAMPLE | 9/29/2008 |
| 126 | OFS-126-6 | OFS-126-6__9/29/2008 | 0 | 0.2 | FIELD SAMPLE | 9/29/2008 |
| 126 | OFS-126-7 | OFS-126-7__9/29/2008 | 0 | 0.2 | FIELD SAMPLE | 9/29/2008 |
| 126 | OFS-126-8 | OFS-126-8__9/29/2008 | 0 | 0.2 | FIELD SAMPLE | 9/29/2008 |
| 126 | OFS-126-9 | OFS-126-9__9/29/2008 | 0 | 0.2 | FIELD SAMPLE | 9/29/2008 |
| 126 | OFS-126-9 | OFS-126-9-A__9/29/2008 | 0.8 | 1 | FIELD SAMPLE | 9/29/2008 |
| 126 | 126-01 | 126-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-01 | 126-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-09 | 126-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 126 | 126-09 | 126-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 127 | CH-SB09 | CH-SB09-0A | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| 127 | CH-SB09 | CH-SB09-0B | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| 127 | 127-01 | 127-01A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-01 | 127-01B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-02 | 127-02A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-02 | 127-02B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-03 | 127-03A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-03 | 127-03B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-04 | 127-04A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-04 | 127-04B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-05 | 127-05 | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-05 | 127-05A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-05 | 127-05B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-06 | 127-06A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-06 | 127-06B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 128-01 | 128-01A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-01 | 128-01B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-02 | 128-02A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| 127 | 128-02 | 128-02B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-03 | 128-03A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-03 | 128-03B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-04 | 128-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-04 | 128-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-05 | 128-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-05 | 128-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-06 | 128-06 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-06 | 128-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-06 | 128-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-07 | 128-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-07 | 128-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-08 | 128-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-08 | 128-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-09 | 128-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-09 | 128-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-10 | 128-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-10 | 128-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-11 | 128-11A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-11 | 128-11B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-12 | 128-12A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-12 | 128-12B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-13 | 128-13A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-13 | 128-13B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-14 | 128-14A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-14 | 128-14B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-15 | 128-15A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-15 | 128-15B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 19-A | 19-A-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 19-B | 19-B-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 19-B | 19-B-1_8/16/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/16/2005 |
| 127 | 19-C | 19-C-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 19-D | 19-D-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 19-E | 19-E-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 19-F | 19-F-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 19-G | 19-G-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 19-H | 19-H-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 19-I | 19-I-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-A | 20-A-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-B | 20-B-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-B | 20-B-1_8/16/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/16/2005 |
| 127 | 20-C | 20-C-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-D | 20-D-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-E | 20-E-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-F | 20-F-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-G | 20-G-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-H | 20-H-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-I | 20-I-0_8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| 127 | OFS-127-1 | OFS-127-1_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-127-1 | OFS-927-1_4/27/2009 | 0 | 0.2 | FIELD DUPLICATE | 4/27/2009 |
| 127 | OFS-127-2 | OFS-127-2_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-127-3 | OFS-127-3_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-127-4 | OFS-127-4_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-127-5 | OFS-127-5_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-127-6 | OFS-127-6_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-127-7 | OFS-127-7_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-127-8 | OFS-127-8_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-127-9 | OFS-127-9_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-128-1 | OFS-128-1_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-128-2 | OFS-128-2_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 127 | OFS-128-3 | OFS-128-3_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-128-3 | OFS-928-3_4/27/2009 | 0 | 0.2 | FIELD DUPLICATE | 4/27/2009 |
| 127 | OFS-128-4 | OFS-128-4_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-128-5 | OFS-128-5_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-128-6 | OFS-128-6_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-128-7 | OFS-128-7_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-128-8 | OFS-128-8_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-128-9 | OFS-128-9_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 127 | S-01 | S-01-0_8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 127 | S-01 | S-02-0_8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 127 | S-01 | S-02-1_8/17/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/17/2005 |
| 127 | OFS-127-9 | OFS-127-9-A_4/27/2009 | 0.8 | 1 | FIELD SAMPLE | 4/27/2009 |
| 127 | OFS-128-1 | OFS-128-1-A_4/27/2009 | 0.8 | 1 | FIELD SAMPLE | 4/27/2009 |
| 127 | 127-07 | 127-07A | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 127-07 | 127-07B | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 127 | 128-16 | 128-16 | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-16 | 128-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-16 | 128-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-17 | 128-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 128-17 | 128-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 127 | 19-E | 19-E-1.5_8/16/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/16/2005 |
| 127 | 20-E | 20-E-1.5_8/16/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/16/2005 |
| 129 | OFS-129-1 | OFS-129-1_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 129 | OFS-129-2 | OFS-129-2_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 129 | OFS-129-3 | OFS-129-3_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 129 | OFS-129-4 | OFS-129-4_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 129 | OFS-129-5 | OFS-129-5_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 129 | OFS-129-6 | OFS-129-6_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 129 | OFS-129-7 | OFS-129-7_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 129 | OFS-129-8 | OFS-129-8_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 129 | OFS-129-9 | OFS-129-9_4/27/2009 | 0 | 0.2 | FIELD SAMPLE | 4/27/2009 |
| 129 | OFS-129-9 | OFS-129-9-A_4/27/2009 | 0.8 | 1 | FIELD SAMPLE | 4/27/2009 |
| 130 | OFS-130-1 | OFS-130-1_4/29/2009 | 0 | 0.2 | FIELD SAMPLE | 4/29/2009 |
| 130 | OFS-130-2 | OFS-130-2_4/29/2009 | 0 | 0.2 | FIELD SAMPLE | 4/29/2009 |
| 130 | OFS-130-3 | OFS-130-3_4/29/2009 | 0 | 0.2 | FIELD SAMPLE | 4/29/2009 |
| 130 | OFS-130-3 | OFS-930-3_4/29/2009 | 0 | 0.2 | FIELD DUPLICATE | 4/29/2009 |
| 130 | OFS-130-4 | OFS-130-4_4/29/2009 | 0 | 0.2 | FIELD SAMPLE | 4/29/2009 |
| 130 | OFS-130-5 | OFS-130-5_4/29/2009 | 0 | 0.2 | FIELD SAMPLE | 4/29/2009 |
| 130 | OFS-130-6 | OFS-130-6_4/29/2009 | 0 | 0.2 | FIELD SAMPLE | 4/29/2009 |
| 130 | OFS-130-7 | OFS-130-7_4/29/2009 | 0 | 0.2 | FIELD SAMPLE | 4/29/2009 |
| 130 | OFS-130-8 | OFS-130-8_4/29/2009 | 0 | 0.2 | FIELD SAMPLE | 4/29/2009 |
| 130 | OFS-130-9 | OFS-130-9_4/29/2009 | 0 | 0.2 | FIELD SAMPLE | 4/29/2009 |
| 130 | OFS-130-1 | OFS-130-1-A_4/29/2009 | 0.8 | 1 | FIELD SAMPLE | 4/29/2009 |
| 131 | OFS-131-1 | OFS-131-1_4/30/2009 | 0 | 0.2 | FIELD SAMPLE | 4/30/2009 |
| 131 | OFS-131-2 | OFS-131-2_4/30/2009 | 0 | 0.2 | FIELD SAMPLE | 4/30/2009 |
| 131 | OFS-131-3 | OFS-131-3_4/30/2009 | 0 | 0.2 | FIELD SAMPLE | 4/30/2009 |
| 131 | OFS-131-4 | OFS-131-4_4/30/2009 | 0 | 0.2 | FIELD SAMPLE | 4/30/2009 |
| 131 | OFS-131-5 | OFS-131-5_4/30/2009 | 0 | 0.2 | FIELD SAMPLE | 4/30/2009 |
| 131 | OFS-131-6 | OFS-131-6_4/30/2009 | 0 | 0.2 | FIELD SAMPLE | 4/30/2009 |
| 131 | OFS-131-7 | OFS-131-7_4/30/2009 | 0 | 0.2 | FIELD SAMPLE | 4/30/2009 |
| 131 | OFS-131-8 | OFS-131-8_4/30/2009 | 0 | 0.2 | FIELD SAMPLE | 4/30/2009 |
| 131 | OFS-131-9 | OFS-131-9_4/30/2009 | 0 | 0.2 | FIELD SAMPLE | 4/30/2009 |
| 131 | OFS-131-9 | OFS-931-9_4/30/2009 | 0 | 0.2 | FIELD DUPLICATE | 4/30/2009 |
| 131 | OFS-131-3 | OFS-131-3-A_4/30/2009 | 0.8 | 1 | FIELD SAMPLE | 4/30/2009 |
| 133 | 133-01 | 133-01 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-01 | 133-01A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-01 | 133-01B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-02 | 133-02A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-02 | 133-02B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-03 | 133-03A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 133 | 133-03 | 133-03B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-04 | 133-04A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-04 | 133-04B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-05 | 133-05A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-05 | 133-05B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-06 | 133-06A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-06 | 133-06B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-07 | 133-07A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-07 | 133-07B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-08 | 133-08A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-08 | 133-08B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-09 | 133-09A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-09 | 133-09B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-10 | 133-10A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-10 | 133-10B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-11 | 133-11 | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-11 | 133-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 133 | 133-11 | 133-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 134 | OFS-134-1 | OFS-134-1__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 134 | OFS-134-1 | OFS-934-1__5/1/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/1/2009 |
| 134 | OFS-134-2 | OFS-134-2__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 134 | OFS-134-3 | OFS-134-3__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 134 | OFS-134-4 | OFS-134-4__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 134 | OFS-134-5 | OFS-134-5__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 134 | OFS-134-6 | OFS-134-6__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 134 | OFS-134-7 | OFS-134-7__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 134 | OFS-134-8 | OFS-134-8__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 134 | OFS-134-9 | OFS-134-9__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 134 | OFS-134-1 | OFS-134-1-A__5/1/2009 | 0.8 | 1 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-1 | OFS-135-1__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-1 | OFS-935-1__5/1/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/1/2009 |
| 135 | OFS-135-2 | OFS-135-2__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-3 | OFS-135-3__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-4 | OFS-135-4__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-5 | OFS-135-5__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-6 | OFS-135-6__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-7 | OFS-135-7__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-8 | OFS-135-8__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-9 | OFS-135-9__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 135 | OFS-135-1 | OFS-135-1-A__5/1/2009 | 0.8 | 1 | FIELD SAMPLE | 5/1/2009 |
| 136 | OFS-136-1 | OFS-136-1__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 136 | OFS-136-2 | OFS-136-2__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 136 | OFS-136-2 | OFS-936-2__5/1/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/1/2009 |
| 136 | OFS-136-3 | OFS-136-3__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 136 | OFS-136-4 | OFS-136-4__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 136 | OFS-136-5 | OFS-136-5__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 136 | OFS-136-6 | OFS-136-6__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 136 | OFS-136-7 | OFS-136-7__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 136 | OFS-136-8 | OFS-136-8__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 136 | OFS-136-9 | OFS-136-9__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 137 | OFS-137-1 | OFS-137-1__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 137 | OFS-137-1 | OFS-937-1__5/1/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/1/2009 |
| 137 | OFS-137-2 | OFS-137-2__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 137 | OFS-137-3 | OFS-137-3__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 137 | OFS-137-4 | OFS-137-4__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 137 | OFS-137-5 | OFS-137-5__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 137 | OFS-137-6 | OFS-137-6__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 137 | OFS-137-7 | OFS-137-7__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 137 | OFS-137-8 | OFS-137-8__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 137 | OFS-137-9 | OFS-137-9__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 137 | OFS-137-1 | OFS-137-1-A__5/1/2009 | 0.8 | 1 | FIELD SAMPLE | 5/1/2009 |
| 138A | 138A-01 | 138A-01A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-01 | 138A-01B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-02 | 138A-02A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-02 | 138A-02B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-03 | 138A-03A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-03 | 138A-03B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-04 | 138A-04A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-04 | 138A-04B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-05 | 138A-05A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-05 | 138A-05B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-06 | 138A-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-06 | 138A-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-07 | 138A-07 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-07 | 138A-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-07 | 138A-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-08 | 138A-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-08 | 138A-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-09 | 138A-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-09 | 138A-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-10 | 138A-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-10 | 138A-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-11 | 138A-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 138A | 138A-11 | 138A-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 138B | 138B-01 | 138B-01A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-01 | 138B-01B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-02 | 138B-02A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-02 | 138B-02B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-03 | 138B-03 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-03 | 138B-03A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-03 | 138B-03B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-04 | 138B-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-04 | 138B-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-05 | 138B-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-05 | 138B-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-06 | 138B-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-06 | 138B-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-07 | 138B-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-07 | 138B-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-08 | 138B-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-08 | 138B-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-09 | 138B-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-09 | 138B-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-10 | 138B-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-10 | 138B-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | OFS-138-1 | OFS-138-1__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 138B | OFS-138-2 | OFS-138-2__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 138B | OFS-138-3 | OFS-138-3__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 138B | OFS-138-4 | OFS-138-4__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 138B | OFS-138-4 | OFS-938-4__5/1/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/1/2009 |
| 138B | OFS-138-5 | OFS-138-5__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 138B | OFS-138-6 | OFS-138-6__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 138B | OFS-138-7 | OFS-138-7__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 138B | OFS-138-8 | OFS-138-8__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 138B | OFS-138-9 | OFS-138-9__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 138B | OFS-138-5 | OFS-138-5-A__5/1/2009 | 0.8 | 1 | FIELD SAMPLE | 5/1/2009 |
| 138B | 138B-11 | 138B-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 138B-11 | 138B-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 138B | 259-15 | 259-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 138B | 259-15 | 259-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 138C | 138C-01 | 138C-01A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-01 | 138C-01B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-02 | 138C-02A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-02 | 138C-02B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-03 | 138C-03A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-03 | 138C-03B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-04 | 138C-04A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-04 | 138C-04B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-05 | 138C-05A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-05 | 138C-05B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-06 | 138C-06 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-06 | 138C-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-06 | 138C-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-07 | 138C-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-07 | 138C-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-08 | 138C-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-08 | 138C-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-09 | 138C-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-09 | 138C-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-10 | 138C-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-10 | 138C-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-12 | 138C-12A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-12 | 138C-12B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-11 | 138C-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 138C | 138C-11 | 138C-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 139 | OFS-139-1 | OFS-139-1__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 139 | OFS-139-1 | OFS-939-1__5/1/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/1/2009 |
| 139 | OFS-139-2 | OFS-139-2__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 139 | OFS-139-3 | OFS-139-3__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 139 | OFS-139-4 | OFS-139-4__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 139 | OFS-139-5 | OFS-139-5__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 139 | OFS-139-6 | OFS-139-6__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 139 | OFS-139-7 | OFS-139-7__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 139 | OFS-139-8 | OFS-139-8__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 139 | OFS-139-9 | OFS-139-9__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 139 | OFS-139-1 | OFS-139-1-A__5/1/2009 | 0.8 | 1 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-1 | OFS-140-1__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-1 | OFS-940-1__5/1/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/1/2009 |
| 140 | OFS-140-2 | OFS-140-2__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-3 | OFS-140-3__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-4 | OFS-140-4__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-5 | OFS-140-5__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-6 | OFS-140-6__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-7 | OFS-140-7__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-8 | OFS-140-8__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-9 | OFS-140-9__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 140 | OFS-140-1 | OFS-140-1-A__5/1/2009 | 0.8 | 1 | FIELD SAMPLE | 5/1/2009 |
| 141 | 141-20 | 141-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-20 | 141-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-21 | 141-21A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-21 | 141-21B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-22 | 141-22A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-22 | 141-22B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-23 | 141-23A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-23 | 141-23B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-24 | 141-24A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-24 | 141-24B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-25 | 141-25A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-25 | 141-25B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | 141-26 | 141-26A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 141 | 141-26 | 141-26B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 141 | OFS-141-1 | OFS-141-1__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 141 | OFS-141-2 | OFS-141-2__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 141 | OFS-141-3 | OFS-141-3__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 141 | OFS-141-4 | OFS-141-4__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 141 | OFS-141-5 | OFS-141-5__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 141 | OFS-141-6 | OFS-141-6__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 141 | OFS-141-6 | OFS-941-6__5/1/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/1/2009 |
| 141 | OFS-141-7 | OFS-141-7__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 141 | OFS-141-8 | OFS-141-8__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 141 | OFS-141-9 | OFS-141-9__5/1/2009 | 0 | 0.2 | FIELD SAMPLE | 5/1/2009 |
| 141 | OFS-141-7 | OFS-141-7-A__5/1/2009 | 0.8 | 1 | FIELD SAMPLE | 5/1/2009 |
| 142 | OFS-142-2 | OFS-142-2__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 142 | OFS-142-3 | OFS-142-3__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 142 | OFS-142-4 | OFS-142-4__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 142 | OFS-142-5 | OFS-142-5__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 142 | OFS-142-6 | OFS-142-6__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 142 | OFS-142-7 | OFS-142-7__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 142 | OFS-142-8 | OFS-142-8__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 142 | OFS-142-9 | OFS-142-9__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 142 | OFS-142-2 | OFS-142-2-A__5/2/2009 | 0.8 | 1 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-1 | OFS-143-1__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-1 | OFS-943-1__5/2/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/2/2009 |
| 143 | OFS-143-2 | OFS-143-2__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-3 | OFS-143-3__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-4 | OFS-143-4__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-5 | OFS-143-5__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-6 | OFS-143-6__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-7 | OFS-143-7__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-8 | OFS-143-8__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-9 | OFS-143-9__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 143 | OFS-143-1 | OFS-143-1-A__5/2/2009 | 0.8 | 1 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-1 | OFS-144-1__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-1 | OFS-944-1__5/2/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/2/2009 |
| 144 | OFS-144-2 | OFS-144-2__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-3 | OFS-144-3__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-4 | OFS-144-4__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-5 | OFS-144-5__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-6 | OFS-144-6__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-7 | OFS-144-7__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-8 | OFS-144-8__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-9 | OFS-144-9__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 144 | OFS-144-7 | OFS-144-7-A__5/2/2009 | 0.8 | 1 | FIELD SAMPLE | 5/2/2009 |
| 145 | 2519-01 | 2519-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-01 | 2519-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-02 | 2519-02 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-02 | 2519-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-02 | 2519-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-03 | 2519-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-03 | 2519-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-04 | 2519-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-04 | 2519-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-05 | 2519-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-05 | 2519-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-06 | 2519-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-06 | 2519-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-07 | 2519-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-07 | 2519-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-08 | 2519-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-08 | 2519-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-------------------------|-----------------------|---------------------|-----------------|----------------|
| 145 | 2519-09 | 2519-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-09 | 2519-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-10 | 2519-10 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-10 | 2519-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-10 | 2519-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | OFS-145-1 | OFS-145-1__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 145 | OFS-145-1 | OFS-945-1__5/2/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/2/2009 |
| 145 | OFS-145-2 | OFS-145-2__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 145 | OFS-145-3 | OFS-145-3__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 145 | OFS-145-4 | OFS-145-4__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 145 | OFS-145-5 | OFS-145-5__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 145 | OFS-145-6 | OFS-145-6__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 145 | OFS-145-7 | OFS-145-7__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 145 | OFS-145-8 | OFS-145-8__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 145 | OFS-145-9 | OFS-145-9__5/2/2009 | 0 | 0.2 | FIELD SAMPLE | 5/2/2009 |
| 145 | OFS-145-1 | OFS-145-1-A__5/2/2009 | 0.8 | 1 | FIELD SAMPLE | 5/2/2009 |
| 145 | 2519-11 | 2519-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 145 | 2519-11 | 2519-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 146 | OFS-146-1 | OFS-146-1__5/5/2009 | 0 | 0.2 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-1 | OFS-946-1__5/5/2009 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2009 |
| 146 | OFS-146-2 | OFS-146-2__5/5/2009 | 0 | 0.2 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-3 | OFS-146-3__5/5/2009 | 0 | 0.2 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-4 | OFS-146-4__5/5/2009 | 0 | 0.2 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-5 | OFS-146-5__5/5/2009 | 0 | 0.2 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-6 | OFS-146-6__5/5/2009 | 0 | 0.2 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-7 | OFS-146-7__5/5/2009 | 0 | 0.2 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-8 | OFS-146-8__5/5/2009 | 0 | 0.2 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-9 | OFS-146-9__5/5/2009 | 0 | 0.2 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-1 | OFS-146-0-0_5_5/4/2009 | 0 | 0.5 | FIELD SAMPLE | 5/4/2009 |
| 146 | OFS-146-1 | OFS-146-0-0_5_5/5/2009 | 0 | 0.5 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-1 | OFS-146-S-10__5/5/2009 | 0 | 0.5 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-1 | OFS-146-S-200__5/5/2009 | 0 | 0.5 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-1 | OFS-146-S-3_8_5/5/2009 | 0 | 0.5 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-1 | OFS-146-S-40__5/5/2009 | 0 | 0.5 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-1 | OFS-146-S-80__5/5/2009 | 0 | 0.5 | FIELD SAMPLE | 5/5/2009 |
| 146 | OFS-146-1 | OFS-946-S-40__5/5/2009 | 0 | 0.5 | FIELD DUPLICATE | 5/5/2009 |
| 146 | OFS-146-1 | OFS-146-1-A__5/5/2009 | 0.8 | 1 | FIELD SAMPLE | 5/5/2009 |
| 147 | 147-01 | 147-01A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-01 | 147-01B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-02 | 147-02 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-02 | 147-02A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-02 | 147-02B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-03 | 147-03A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-03 | 147-03B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-04 | 147-04A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-04 | 147-04B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-05 | 147-05A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-05 | 147-05B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-06 | 147-06A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-06 | 147-06B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | OFS-147-1 | OFS-147-1__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| 147 | OFS-147-1 | OFS-947-1__8/17/2009 | 0 | 0.2 | FIELD DUPLICATE | 8/17/2009 |
| 147 | OFS-147-2 | OFS-147-2__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| 147 | OFS-147-3 | OFS-147-3__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| 147 | OFS-147-4 | OFS-147-4__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| 147 | OFS-147-5 | OFS-147-5__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| 147 | OFS-147-6 | OFS-147-6__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| 147 | OFS-147-7 | OFS-147-7__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| 147 | OFS-147-8 | OFS-147-8__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| 147 | OFS-147-9 | OFS-147-9__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 147 | OFS-147-1 | OFS-147-1-A_8/17/2009 | 0.8 | 1 | FIELD SAMPLE | 8/17/2009 |
| 147 | 147-07 | 147-07A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 147 | 147-07 | 147-07B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 149 | OFS-149-1 | OFS-149-1_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 149 | OFS-149-1 | OFS-949-1_5/3/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/3/2010 |
| 149 | OFS-149-2 | OFS-149-2_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 149 | OFS-149-3 | OFS-149-3_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 149 | OFS-149-4 | OFS-149-4_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 149 | OFS-149-5 | OFS-149-5_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 149 | OFS-149-6 | OFS-149-6_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 149 | OFS-149-7 | OFS-149-7_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 149 | OFS-149-8 | OFS-149-8_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 149 | OFS-149-9 | OFS-149-9_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 149 | OFS-149-1 | OFS-149-1-A_5/3/2010 | 0.8 | 1 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-1 | OFS-150-1_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-1 | OFS-950-1_5/3/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/3/2010 |
| 150 | OFS-150-2 | OFS-150-2_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-3 | OFS-150-3_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-4 | OFS-150-4_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-5 | OFS-150-5_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-6 | OFS-150-6_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-7 | OFS-150-7_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-8 | OFS-150-8_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-9 | OFS-150-9_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 150 | OFS-150-1 | OFS-150-1-A_5/3/2010 | 0.8 | 1 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-1 | OFS-151-1_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-1 | OFS-951-1_5/3/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/3/2010 |
| 151 | OFS-151-2 | OFS-151-2_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-3 | OFS-151-3_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-4 | OFS-151-4_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-5 | OFS-151-5_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-6 | OFS-151-6_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-7 | OFS-151-7_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-8 | OFS-151-8_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-9 | OFS-151-9_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 151 | OFS-151-1 | OFS-151-1-A_5/3/2010 | 0.8 | 1 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-1 | OFS-152-1_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-1 | OFS-952-1_5/3/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/3/2010 |
| 152 | OFS-152-2 | OFS-152-2_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-3 | OFS-152-3_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-4 | OFS-152-4_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-5 | OFS-152-5_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-6 | OFS-152-6_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-7 | OFS-152-7_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-8 | OFS-152-8_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-9 | OFS-152-9_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 152 | OFS-152-1 | OFS-152-1-A_5/3/2010 | 0.8 | 1 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-1 | OFS-153-1_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-1 | OFS-953-1_5/3/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/3/2010 |
| 153 | OFS-153-2 | OFS-153-2_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-3 | OFS-153-3_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-4 | OFS-153-4_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-5 | OFS-153-5_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-6 | OFS-153-6_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-7 | OFS-153-7_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-8 | OFS-153-8_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-9 | OFS-153-9_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 153 | OFS-153-1 | OFS-153-1-A_5/3/2010 | 0.8 | 1 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-1 | OFS-154-1_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-1 | OFS-954-1_5/3/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/3/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 154 | OFS-154-2 | OFS-154-2_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-3 | OFS-154-3_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-4 | OFS-154-4_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-5 | OFS-154-5_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-6 | OFS-154-6_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-7 | OFS-154-7_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-8 | OFS-154-8_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-9 | OFS-154-9_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 154 | OFS-154-1 | OFS-154-1-A_5/3/2010 | 0.8 | 1 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-1 | OFS-155-1_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-1 | OFS-955-1_5/3/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/3/2010 |
| 155 | OFS-155-2 | OFS-155-2_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-3 | OFS-155-3_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-4 | OFS-155-4_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-5 | OFS-155-5_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-6 | OFS-155-6_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-7 | OFS-155-7_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-8 | OFS-155-8_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-9 | OFS-155-9_5/3/2010 | 0 | 0.2 | FIELD SAMPLE | 5/3/2010 |
| 155 | OFS-155-1 | OFS-155-1-A_5/3/2010 | 0.8 | 1 | FIELD SAMPLE | 5/3/2010 |
| 156 | OFS-156-1 | OFS-156-1_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 156 | OFS-156-1 | OFS-956-1_5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 156 | OFS-156-2 | OFS-156-2_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 156 | OFS-156-3 | OFS-156-3_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 156 | OFS-156-4 | OFS-156-4_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 156 | OFS-156-5 | OFS-156-5_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 156 | OFS-156-6 | OFS-156-6_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 156 | OFS-156-7 | OFS-156-7_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 156 | OFS-156-8 | OFS-156-8_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 156 | OFS-156-9 | OFS-156-9_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 156 | OFS-156-1 | OFS-156-1-A_5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 157 | 09-BG | 09-BG-0_8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 157 | OFS-157-1 | OFS-157-1_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 157 | OFS-157-1 | OFS-957-1_5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 157 | OFS-157-2 | OFS-157-2_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 157 | OFS-157-3 | OFS-157-3_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 157 | OFS-157-4 | OFS-157-4_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 157 | OFS-157-5 | OFS-157-5_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 157 | OFS-157-6 | OFS-157-6_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 157 | OFS-157-7 | OFS-157-7_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 157 | OFS-157-8 | OFS-157-8_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 157 | OFS-157-9 | OFS-157-9_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 157 | OFS-157-1 | OFS-157-1-A_5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-1 | OFS-158-1_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-1 | OFS-958-1_5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 158 | OFS-158-2 | OFS-158-2_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-3 | OFS-158-3_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-4 | OFS-158-4_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-5 | OFS-158-5_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-6 | OFS-158-6_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-7 | OFS-158-7_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-8 | OFS-158-8_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-9 | OFS-158-9_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 158 | OFS-158-1 | OFS-158-1-A_5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 159 | 08-BG | 08-BG-0_8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 159 | OFS-159-1 | OFS-159-1_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 159 | OFS-159-1 | OFS-959-1_5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 159 | OFS-159-2 | OFS-159-2_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 159 | OFS-159-3 | OFS-159-3_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 159 | OFS-159-4 | OFS-159-4_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 159 | OFS-159-5 | OFS-159-5__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 159 | OFS-159-6 | OFS-159-6__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 159 | OFS-159-7 | OFS-159-7__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 159 | OFS-159-8 | OFS-159-8__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 159 | OFS-159-9 | OFS-159-9__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 159 | OFS-159-1 | OFS-159-1-A__5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 159 | 08-BG | 08-BG-1.5__8/17/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/17/2005 |
| 160 | 160-02 | 160-02A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-02 | 160-02B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-03 | 160-03A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-03 | 160-03B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-04 | 160-04A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-04 | 160-04B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-05 | 160-05A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-05 | 160-05B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-06 | 160-06A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-06 | 160-06B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-07 | 160-07A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-07 | 160-07B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-08 | 160-08 | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-08 | 160-08A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-08 | 160-08B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-09 | 160-09A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-09 | 160-09B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-10 | 160-10A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-10 | 160-10B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-11 | 160-12A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-11 | 160-12B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-13 | 160-13A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-13 | 160-13B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-14 | 160-14A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-14 | 160-14B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-15 | 160-15A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-15 | 160-15B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-16 | 160-16A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-16 | 160-16B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-17 | 160-17A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-17 | 160-17B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | OFS-160-1 | OFS-160-1__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 160 | OFS-160-1 | OFS-960-1__5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 160 | OFS-160-2 | OFS-160-2__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 160 | OFS-160-3 | OFS-160-3__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 160 | OFS-160-4 | OFS-160-4__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 160 | OFS-160-5 | OFS-160-5__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 160 | OFS-160-6 | OFS-160-6__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 160 | OFS-160-7 | OFS-160-7__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 160 | OFS-160-8 | OFS-160-8__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 160 | OFS-160-9 | OFS-160-9__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 160 | XRF-253 | XRF-253 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| 160 | OFS-160-1 | OFS-160-1-A__5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 160 | 160-01 | 160-01A | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-01 | 160-01B | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-11 | 160-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | 160-11 | 160-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 160 | XRF-253 | XRF-254 | 1 | 1 | FIELD SAMPLE | 4/18/2012 |
| 161 | OFS-161-1 | OFS-161-1__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 161 | OFS-161-1 | OFS-961-1__5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 161 | OFS-161-2 | OFS-161-2__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 161 | OFS-161-3 | OFS-161-3__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 161 | OFS-161-4 | OFS-161-4__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 161 | OFS-161-5 | OFS-161-5_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 161 | OFS-161-6 | OFS-161-6_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 161 | OFS-161-7 | OFS-161-7_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 161 | OFS-161-8 | OFS-161-8_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 161 | OFS-161-9 | OFS-161-9_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 161 | OFS-161-1 | OFS-161-1-A_5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-1 | OFS-162-1_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-1 | OFS-962-1_5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 162 | OFS-162-2 | OFS-162-2_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-3 | OFS-162-3_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-4 | OFS-162-4_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-5 | OFS-162-5_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-6 | OFS-162-6_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-7 | OFS-162-7_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-8 | OFS-162-8_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-9 | OFS-162-9_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 162 | OFS-162-1 | OFS-162-1-A_5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-1 | OFS-163-1_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-1 | OFS-963-1_5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 163 | OFS-163-2 | OFS-163-2_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-3 | OFS-163-3_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-4 | OFS-163-4_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-5 | OFS-163-5_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-6 | OFS-163-6_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-7 | OFS-163-7_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-8 | OFS-163-8_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-9 | OFS-163-9_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 163 | OFS-163-1 | OFS-163-1-A_5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-1 | OFS-164-1_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-1 | OFS-964-1_5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 164 | OFS-164-2 | OFS-164-2_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-3 | OFS-164-3_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-4 | OFS-164-4_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-5 | OFS-164-5_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-6 | OFS-164-6_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-7 | OFS-164-7_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-8 | OFS-164-8_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-9 | OFS-164-9_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 164 | OFS-164-1 | OFS-164-1-A_5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 165 and 60J | 60J-001 | 60J-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-002 | 60J-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-003 | 60J-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-004 | 60J-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-005 | 60J-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-006 | 60J-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-007 | 60J-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-008 | 60J-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-009 | 60J-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-010 | 60J-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-011 | 60J-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-012 | 60J-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-013 | 60J-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-014 | 60J-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-015 | 60J-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-016 | 60J-016-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-017 | 60J-017-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-018 | 60J-018-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-019 | 60J-019-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | 60J-020 | 60J-020-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 165 and 60J | OFS-165-1 | OFS-165-1_5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 165 and 60J | OFS-165-1 | OFS-965-1__5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 165 and 60J | OFS-165-2 | OFS-165-2__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 165 and 60J | OFS-165-3 | OFS-165-3__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 165 and 60J | OFS-165-4 | OFS-165-4__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 165 and 60J | OFS-165-5 | OFS-165-5__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 165 and 60J | OFS-165-6 | OFS-165-6__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 165 and 60J | OFS-165-7 | OFS-165-7__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 165 and 60J | OFS-165-8 | OFS-165-8__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 165 and 60J | OFS-165-9 | OFS-165-9__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 165 and 60J | OFS-165-1 | OFS-165-1-A__5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 166 | OFS-166-1 | OFS-166-1__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 166 | OFS-166-1 | OFS-966-1__5/5/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2010 |
| 166 | OFS-166-2 | OFS-166-2__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 166 | OFS-166-3 | OFS-166-3__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 166 | OFS-166-4 | OFS-166-4__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 166 | OFS-166-5 | OFS-166-5__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 166 | OFS-166-6 | OFS-166-6__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 166 | OFS-166-7 | OFS-166-7__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 166 | OFS-166-8 | OFS-166-8__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 166 | OFS-166-9 | OFS-166-9__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 166 | OFS-166-1 | OFS-166-1-A__5/5/2010 | 0.8 | 1 | FIELD SAMPLE | 5/5/2010 |
| 167A | 167A-01 | 167A-01A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-01 | 167A-01B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-03 | 167A-03 | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-03 | 167A-03A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-03 | 167A-03B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-04 | 167A-04A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-04 | 167A-04B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-05 | 167A-05A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-05 | 167A-05B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-06 | 167A-06A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-06 | 167A-06B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-07 | 167A-07A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-07 | 167A-07B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-08 | 167A-08A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-08 | 167A-08B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-09 | 167A-09A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-09 | 167A-09B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-10 | 167A-10A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-10 | 167A-10B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-12 | 167A-12A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-12 | 167A-12B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-13 | 167A-13 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 167A | 167A-13 | 167A-13A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 167A | 167A-13 | 167A-13B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 167A | OFS-167-1 | OFS-167-1__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 167A | OFS-167-1 | OFS-967-1__5/5/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2010 |
| 167A | OFS-167-2 | OFS-167-2__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 167A | OFS-167-3 | OFS-167-3__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 167A | OFS-167-4 | OFS-167-4__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 167A | OFS-167-1 | OFS-167-1-A__5/5/2010 | 0.8 | 1 | FIELD SAMPLE | 5/5/2010 |
| 167A | 167A-01 | 167A-02A | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-01 | 167A-02B | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-10 | 167A-11A | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| 167A | 167A-10 | 167A-11B | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| 167B | 167B-01 | 167B-01A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-01 | 167B-01B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-03 | 167B-03A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-03 | 167B-03B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-05 | 167B-05A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|---------------------|-----------------------|---------------------|--------------|----------------|
| 167B | 167B-05 | 167B-05B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-06 | 167B-06A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-06 | 167B-06B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-07 | 167B-07A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-07 | 167B-07B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-08 | 167B-08 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-08 | 167B-08A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-08 | 167B-08B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-09 | 167B-09A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-09 | 167B-09B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-10 | 167B-10A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-10 | 167B-10B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-11 | 167B-11A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-11 | 167B-11B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-12 | 167B-12A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-12 | 167B-12B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-13 | 167B-13A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-13 | 167B-13B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-14 | 167B-14A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-14 | 167B-14B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-15 | 167B-15A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-15 | 167B-15B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-16 | 167B-16A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-16 | 167B-16B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-17 | 167B-17A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-17 | 167B-17B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | OFS-167-6 | OFS-167-6__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 167B | 167B-01 | 167B-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-01 | 167B-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-03 | 167B-04A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 167B | 167B-03 | 167B-04B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-01 | 167C-01 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-01 | 167C-01A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-01 | 167C-01B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-02 | 167C-02A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-02 | 167C-02B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-03 | 167C-03A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-03 | 167C-03B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-04 | 167C-04A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-04 | 167C-04B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-05 | 167C-05A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-05 | 167C-05B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-06 | 167C-06A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-06 | 167C-06B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-07 | 167C-07A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-07 | 167C-07B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-08 | 167C-08A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-08 | 167C-08B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-09 | 167C-09A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-09 | 167C-09B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-11 | 167C-11 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-11 | 167C-11A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-11 | 167C-11B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-12 | 167C-12A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-12 | 167C-12B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-13 | 167C-13A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-13 | 167C-13B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-14 | 167C-14A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-14 | 167C-14B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-16 | 167C-16A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 167C | 167C-16 | 167C-16B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-17 | 167C-17A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-17 | 167C-17B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-18 | 167C-18A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-18 | 167C-18B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-19 | 167C-19A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-19 | 167C-19B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-21 | 167C-21 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-21 | 167C-21A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-21 | 167C-21B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-22 | 167C-22A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-22 | 167C-22B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-24 | 167C-24A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 167C | 167C-24 | 167C-24B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 167C | 167C-25 | 167C-25A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 167C | 167C-25 | 167C-25B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 167C | OFS-167-5 | OFS-167-5__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 167C | OFS-167-7 | OFS-167-7__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 167C | OFS-167-8 | OFS-167-8__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 167C | OFS-167-9 | OFS-167-9__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 167C | 167C-10 | 167C-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-10 | 167C-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-15 | 167C-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-15 | 167C-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-20 | 167C-20A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 167C | 167C-20 | 167C-20B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 168 | OFS-168-1 | OFS-168-1__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 168 | OFS-168-1 | OFS-968-1__5/4/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/4/2010 |
| 168 | OFS-168-2 | OFS-168-2__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 168 | OFS-168-3 | OFS-168-3__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 168 | OFS-168-4 | OFS-168-4__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 168 | OFS-168-5 | OFS-168-5__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 168 | OFS-168-6 | OFS-168-6__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 168 | OFS-168-7 | OFS-168-7__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 168 | OFS-168-8 | OFS-168-8__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 168 | OFS-168-9 | OFS-168-9__5/4/2010 | 0 | 0.2 | FIELD SAMPLE | 5/4/2010 |
| 168 | OFS-168-1 | OFS-168-1-A__5/4/2010 | 0.8 | 1 | FIELD SAMPLE | 5/4/2010 |
| 169 | OFS-169-1 | OFS-169-1__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 169 | OFS-169-1 | OFS-969-1__5/5/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2010 |
| 169 | OFS-169-2 | OFS-169-2__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 169 | OFS-169-3 | OFS-169-3__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 169 | OFS-169-4 | OFS-169-4__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 169 | OFS-169-5 | OFS-169-5__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 169 | OFS-169-6 | OFS-169-6__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 169 | OFS-169-7 | OFS-169-7__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 169 | OFS-169-8 | OFS-169-8__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 169 | OFS-169-9 | OFS-169-9__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 169 | OFS-169-1 | OFS-169-1-A__5/5/2010 | 0.8 | 1 | FIELD SAMPLE | 5/5/2010 |
| 170A | 170A-01 | 170A-01A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-01 | 170A-01B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-02 | 170A-02A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-02 | 170A-02B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-03 | 170A-03A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-03 | 170A-03B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-04 | 170A-04A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-04 | 170A-04B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-06 | 170A-06A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-06 | 170A-06B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-07 | 170A-07A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-07 | 170A-07B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 170A | 170A-08 | 170A-08A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-08 | 170A-08B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | OFS-170-6 | OFS-170-6__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 170A | 170A-05 | 170A-05 | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-05 | 170A-05A | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 170A | 170A-05 | 170A-05B | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 170B | 170B-01 | 170B-01A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-01 | 170B-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-02 | 170B-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-02 | 170B-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-03 | 170B-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-03 | 170B-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-04 | 170B-04A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-04 | 170B-04B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-06 | 170B-06A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-06 | 170B-06B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-07 | 170B-07A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-07 | 170B-07B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-08 | 170B-08A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-08 | 170B-08B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-09 | 170B-09 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-09 | 170B-09A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-09 | 170B-09B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-11 | 170B-11A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-11 | 170B-11B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | OFS-170-1 | OFS-170-1__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 170B | OFS-170-1 | OFS-970-1__5/5/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2010 |
| 170B | OFS-170-2 | OFS-170-2__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 170B | OFS-170-3 | OFS-170-3__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 170B | OFS-170-4 | OFS-170-4__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 170B | OFS-170-5 | OFS-170-5__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 170B | OFS-170-7 | OFS-170-7__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 170B | OFS-170-8 | OFS-170-8__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 170B | OFS-170-9 | OFS-170-9__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 170B | OFS-170-1 | OFS-170-1-A__5/5/2010 | 0.8 | 1 | FIELD SAMPLE | 5/5/2010 |
| 170B | 170B-05 | 170B-05A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-05 | 170B-05B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-10 | 170B-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 170B | 170B-10 | 170B-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 172 | OFS-172-1 | OFS-172-1__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 172 | OFS-172-1 | OFS-972-1__5/5/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2010 |
| 172 | OFS-172-2 | OFS-172-2__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 172 | OFS-172-3 | OFS-172-3__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 172 | OFS-172-4 | OFS-172-4__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 172 | OFS-172-5 | OFS-172-5__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 172 | OFS-172-6 | OFS-172-6__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 172 | OFS-172-7 | OFS-172-7__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 172 | OFS-172-8 | OFS-172-8__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 172 | OFS-172-9 | OFS-172-9__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 172 | OFS-172-1 | OFS-172-1-A__5/5/2010 | 0.8 | 1 | FIELD SAMPLE | 5/5/2010 |
| 173 | 173A-01 | 173A-01A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | 173A-01 | 173A-01B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | 173A-02 | 173A-02A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | 173A-02 | 173A-02B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | 173A-03 | 173A-03A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | 173A-03 | 173A-03B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | 173A-04 | 173A-04A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | 173A-04 | 173A-04B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | 173A-05 | 173A-05A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | 173A-05 | 173A-05B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample | Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------|----------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 173 | | 173A-06 | 173A-06A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-06 | 173A-06B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-07 | 173A-07A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-07 | 173A-07B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-08 | 173A-08 | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-08 | 173A-08A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-08 | 173A-08B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-09 | 173A-09A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-09 | 173A-09B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-10 | 173A-10A | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-10 | 173A-10B | 0 | 0.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | OFS-173-1 | OFS-173-1__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 173 | | OFS-173-1 | OFS-973-1__5/5/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2010 |
| 173 | | OFS-173-2 | OFS-173-2__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 173 | | OFS-173-3 | OFS-173-3__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 173 | | OFS-173-4 | OFS-173-4__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 173 | | OFS-173-5 | OFS-173-5__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 173 | | OFS-173-6 | OFS-173-6__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 173 | | OFS-173-7 | OFS-173-7__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 173 | | OFS-173-8 | OFS-173-8__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 173 | | OFS-173-9 | OFS-173-9__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 173 | | OFS-173-1 | OFS-173-1-A__5/5/2010 | 0.8 | 1 | FIELD SAMPLE | 5/5/2010 |
| 173 | | 173A-11 | 173A-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 173 | | 173A-11 | 173A-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/21/2014 |
| 174 | | OFS-174-1 | OFS-174-1__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 174 | | OFS-174-1 | OFS-974-1__5/5/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2010 |
| 174 | | OFS-174-2 | OFS-174-2__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 174 | | OFS-174-3 | OFS-174-3__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 174 | | OFS-174-4 | OFS-174-4__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 174 | | OFS-174-5 | OFS-174-5__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 174 | | OFS-174-6 | OFS-174-6__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 174 | | OFS-174-7 | OFS-174-7__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 174 | | OFS-174-8 | OFS-174-8__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 174 | | OFS-174-9 | OFS-174-9__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 174 | | OFS-174-1 | OFS-174-1-A__5/5/2010 | 0.8 | 1 | FIELD SAMPLE | 5/5/2010 |
| 175 | | 06-BG | 06-BG-0__8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 175 | | OFS-175-1 | OFS-175-1__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 175 | | OFS-175-1 | OFS-975-1__5/5/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2010 |
| 175 | | OFS-175-2 | OFS-175-2__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 175 | | OFS-175-3 | OFS-175-3__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 175 | | OFS-175-4 | OFS-175-4__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 175 | | OFS-175-5 | OFS-175-5__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 175 | | OFS-175-6 | OFS-175-6__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 175 | | OFS-175-7 | OFS-175-7__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 175 | | OFS-175-8 | OFS-175-8__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 175 | | OFS-175-9 | OFS-175-9__5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 175 | | OFS-175-1 | OFS-175-1-A__5/5/2010 | 0.8 | 1 | FIELD SAMPLE | 5/5/2010 |
| 175 | | 06-BG | 06-BG-1.5__8/17/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/17/2005 |
| 176 | | OFS-176-1 | OFS-176-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 176 | | OFS-176-1 | OFS-976-1__5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 176 | | OFS-176-2 | OFS-176-2__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 176 | | OFS-176-3 | OFS-176-3__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 176 | | OFS-176-4 | OFS-176-4__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 176 | | OFS-176-5 | OFS-176-5__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 176 | | OFS-176-6 | OFS-176-6__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 176 | | OFS-176-7 | OFS-176-7__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 176 | | OFS-176-8 | OFS-176-8__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 176 | | OFS-176-9 | OFS-176-9__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 176 | | OFS-176-1 | OFS-176-1-A__5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 177 | | OFS-177-1 | OFS-177-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 177 | OFS-177-1 | OFS-977-1_5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 177 | OFS-177-2 | OFS-177-2_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-3 | OFS-177-3_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-4 | OFS-177-4_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-5 | OFS-177-5_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-6 | OFS-177-6_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-7 | OFS-177-7_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-8 | OFS-177-8_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-8 | OFS-177-8_5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-9 | OFS-177-9_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-9 | OFS-177-9_5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 177 | OFS-177-1 | OFS-177-1-A_5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 178 | OFS-178-1 | OFS-178-1_5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 178 | OFS-178-1 | OFS-978-1_5/5/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/5/2010 |
| 178 | OFS-178-2 | OFS-178-2_5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 178 | OFS-178-3 | OFS-178-3_5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 178 | OFS-178-4 | OFS-178-4_5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 178 | OFS-178-5 | OFS-178-5_5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 178 | OFS-178-6 | OFS-178-6_5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 178 | OFS-178-7 | OFS-178-7_5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 178 | OFS-178-8 | OFS-178-8_5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 178 | OFS-178-9 | OFS-178-9_5/5/2010 | 0 | 0.2 | FIELD SAMPLE | 5/5/2010 |
| 178 | OFS-178-1 | OFS-178-1-A_5/5/2010 | 0.8 | 1 | FIELD SAMPLE | 5/5/2010 |
| 179 | OFS-179-1 | OFS-179-1_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 179 | OFS-179-1 | OFS-979-1_5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 179 | OFS-179-2 | OFS-179-2_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 179 | OFS-179-3 | OFS-179-3_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 179 | OFS-179-4 | OFS-179-4_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 179 | OFS-179-5 | OFS-179-5_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 179 | OFS-179-6 | OFS-179-6_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 179 | OFS-179-7 | OFS-179-7_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 179 | OFS-179-8 | OFS-179-8_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 179 | OFS-179-9 | OFS-179-9_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 179 | OFS-179-1 | OFS-179-1-A_5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-1 | OFS-180-1_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-1 | OFS-980-1_5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 180 | OFS-180-2 | OFS-180-2_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-3 | OFS-180-3_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-4 | OFS-180-4_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-5 | OFS-180-5_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-6 | OFS-180-6_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-7 | OFS-180-7_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-8 | OFS-180-8_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-9 | OFS-180-9_5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 180 | OFS-180-1 | OFS-180-1-A_5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 181 | 181-01 | 181-01A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-01 | 181-01B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-02 | 181-02 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-02 | 181-02A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-02 | 181-02B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-03 | 181-03A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-03 | 181-03B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-04 | 181-04A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-04 | 181-04B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-05 | 181-05A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-05 | 181-05B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-06 | 181-06A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-06 | 181-06B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-07 | 181-07A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-07 | 181-07B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 181 | 181-08 | 181-08A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-08 | 181-08B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-09 | 181-09A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-09 | 181-09B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-10 | 181-10A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-10 | 181-10B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-20 | 181-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 181 | 181-20 | 181-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 181 | 181-21 | 181-21A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 181 | 181-21 | 181-21B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 181 | OFS-181-1 | OFS-181-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 181 | OFS-181-1 | OFS-981-1__5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 181 | OFS-181-2 | OFS-181-2__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 181 | OFS-181-3 | OFS-181-3__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 181 | OFS-181-4 | OFS-181-4__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 181 | OFS-181-5 | OFS-181-5__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 181 | OFS-181-6 | OFS-181-6__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 181 | OFS-181-7 | OFS-181-7__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 181 | OFS-181-8 | OFS-181-8__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 181 | OFS-181-9 | OFS-181-9__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 181 | OFS-181-1 | OFS-181-1-A__5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 181 | 181-11 | 181-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 181 | 181-11 | 181-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 182 | OFS-182-1 | OFS-182-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 182 | OFS-182-1 | OFS-982-1__5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 182 | OFS-182-2 | OFS-182-2__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 182 | OFS-182-3 | OFS-182-3__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 182 | OFS-182-4 | OFS-182-4__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 182 | OFS-182-5 | OFS-182-5__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 182 | OFS-182-6 | OFS-182-6__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 182 | OFS-182-7 | OFS-182-7__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 182 | OFS-182-8 | OFS-182-8__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 182 | OFS-182-9 | OFS-182-9__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 182 | OFS-182-1 | OFS-182-1-A__5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 183 | 183-01 | 183-01 | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-01 | 183-01A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-01 | 183-01B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-02 | 183-02A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-02 | 183-02B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-03 | 183-03A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-03 | 183-03B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-04 | 183-04A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-04 | 183-04B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-05 | 183-05A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-05 | 183-05B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-06 | 183-06A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-06 | 183-06B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-07 | 183-07A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-07 | 183-07B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-08 | 183-08A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-08 | 183-08B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-09 | 183-09A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-09 | 183-09B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-11 | 183-11 | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-11 | 183-11A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-11 | 183-11B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-12 | 183-12A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-12 | 183-12B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-13 | 183-13A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-13 | 183-13B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-------------------------|-----------------------|---------------------|-----------------|----------------|
| 183 | 183-14 | 183-14A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-14 | 183-14B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-16 | 183-16A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-16 | 183-16B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-17 | 183-17A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-17 | 183-17B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | OFS-183-1 | OFS-183-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-1 | OFS-183-1__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-1 | OFS-983-1__5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 183 | OFS-183-2 | OFS-183-2__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-2 | OFS-183-2__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-3 | OFS-183-3__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-4 | OFS-183-4__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-4 | OFS-183-4__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-5 | OFS-183-5__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-5 | OFS-183-5__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-6 | OFS-183-6__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-6 | OFS-183-6__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-7 | OFS-183-7__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-7 | OFS-183-7__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-8 | OFS-183-8__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-8 | OFS-183-8__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-9 | OFS-183-9__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-9 | OFS-183-9__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 183 | OFS-183-1 | OFS-183-1-A__5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 183 | 183-10 | 183-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-10 | 183-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-15 | 183-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 183 | 183-15 | 183-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 184 | OFS-184-1 | OFS-184-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-1 | OFS-184-1__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-1 | OFS-984-1__5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 184 | OFS-184-1 | OFS-984-1__5/6/2010_2 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 184 | OFS-184-2 | OFS-184-2__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-2 | OFS-184-2__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-3 | OFS-184-3__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-3 | OFS-184-3__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-4 | OFS-184-4__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-4 | OFS-184-4__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-5 | OFS-184-5__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-5 | OFS-184-5__5/6/2010_2 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-6 | OFS-184-6__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-7 | OFS-184-7__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-8 | OFS-184-8__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-9 | OFS-184-9__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-1 | OFS-184-1-A__5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 184 | OFS-184-1 | OFS-184-1-A__5/6/2010_2 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 185 | 02-BG | 02-BG-0__8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 185 | 02-BG | 02-BG-1__8/17/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/17/2005 |
| 185 | OFS-185-1 | OFS-185-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 185 | OFS-185-1 | OFS-985-1__5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 185 | OFS-185-2 | OFS-185-2__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 185 | OFS-185-3 | OFS-185-3__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 185 | OFS-185-4 | OFS-185-4__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 185 | OFS-185-5 | OFS-185-5__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 185 | OFS-185-6 | OFS-185-6__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 185 | OFS-185-7 | OFS-185-7__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 185 | OFS-185-8 | OFS-185-8__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 185 | OFS-185-9 | OFS-185-9__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 185 | OS-3 | NAI-064A-OS-3__6/5/2008 | 0 | 0.5 | FIELD SAMPLE | 6/5/2008 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|---------------------------|-----------------------|---------------------|-----------------|----------------|
| 185 | OS-60 | NAI-064A-OS-60__6/5/2008 | 0 | 0.5 | FIELD SAMPLE | 6/5/2008 |
| 185 | OS-60 | NAI-064A-OS-60__6/5/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/5/2008 |
| 185 | OS-82 | NAI-064A-OS-82__6/5/2008 | 0 | 0.5 | FIELD SAMPLE | 6/5/2008 |
| 185 | OS-82 | NAI-064A-OS-82__6/5/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/5/2008 |
| 185 | OFS-185-1 | OFS-185-1-A__5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 185 | OS-60 | NAI-064A-OS-60__6/5/2008 | 1 | 1.5 | FIELD SAMPLE | 6/5/2008 |
| 185 | 02-BG | 02-BG-1.5__8/17/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/17/2005 |
| 186 | OFS-186-1 | OFS-186-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 186 | OFS-186-1 | OFS-986-1__5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 186 | OFS-186-2 | OFS-186-2__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 186 | OFS-186-3 | OFS-186-3__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 186 | OFS-186-4 | OFS-186-4__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 186 | OFS-186-5 | OFS-186-5__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 186 | OFS-186-6 | OFS-186-6__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 186 | OFS-186-7 | OFS-186-7__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 186 | OFS-186-8 | OFS-186-8__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 186 | OFS-186-9 | OFS-186-9__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 186 | OFS-186-1 | OFS-186-1-A__5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 187 | OFS-187-1 | OFS-187-1__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 187 | OFS-187-1 | OFS-987-1__5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 187 | OFS-187-2 | OFS-187-2__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 187 | OFS-187-2 | OFS-187-6__5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 187 | OFS-187-3 | OFS-187-3__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 187 | OFS-187-4 | OFS-187-4__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 187 | OFS-187-5 | OFS-187-5__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 187 | OFS-187-7 | OFS-187-7__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 187 | OFS-187-8 | OFS-187-8__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 187 | OFS-187-9 | OFS-187-9__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 187 | OFS-187-1 | OFS-187-1-A__5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 188 | OFS-188-1 | OFS-188-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 188 | OFS-188-1 | OFS-988-1__5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 188 | OFS-188-2 | OFS-188-2__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 188 | OFS-188-3 | OFS-188-3__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 188 | OFS-188-4 | OFS-188-4__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 188 | OFS-188-5 | OFS-188-5__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 188 | OFS-188-6 | OFS-188-6__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 188 | OFS-188-7 | OFS-188-7__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 188 | OFS-188-8 | OFS-188-8__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 188 | OFS-188-9 | OFS-188-9__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 188 | OFS-188-1 | OFS-188-1-A__5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-1 | OFS-189-1__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-1 | OFS-989-1__5/6/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/6/2010 |
| 189 | OFS-189-2 | OFS-189-2__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-3 | OFS-189-3__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-4 | OFS-189-4__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-5 | OFS-189-5__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-6 | OFS-189-6__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-7 | OFS-189-7__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-8 | OFS-189-8__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-9 | OFS-189-9__5/6/2010 | 0 | 0.2 | FIELD SAMPLE | 5/6/2010 |
| 189 | OFS-189-1 | OFS-189-1-A__5/6/2010 | 0.8 | 1 | FIELD SAMPLE | 5/6/2010 |
| 190 | OFS-190-1 | OFS-190-1__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 190 | OFS-190-1 | OFS-990-1__5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 190 | OFS-190-2 | OFS-190-2__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 190 | OFS-190-3 | OFS-190-3__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 190 | OFS-190-4 | OFS-190-4__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 190 | OFS-190-5 | OFS-190-5__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 190 | OFS-190-6 | OFS-190-6__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 190 | OFS-190-7 | OFS-190-7__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 190 | OFS-190-8 | OFS-190-8__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|--------------|----------------|
| 190 | OFS-190-9 | OFS-190-9__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 190 | OFS-190-1 | OFS-190-1-A__5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 1902 | 1902-01 | 1902-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1902 | 1902-01 | 1902-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1902 | 1902-02 | 1902-02 | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1902 | 1902-02 | 1902-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1902 | 1902-02 | 1902-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1902 | 1902-03 | 1902-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1902 | 1902-03 | 1902-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1902 | 1902-04 | 1902-04A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1902 | 1902-04 | 1902-04B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1902 | 1902-05 | 1902-05A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-05 | 1902-05B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-06 | 1902-06A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-06 | 1902-06B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-07 | 1902-07A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-07 | 1902-07B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-08 | 1902-08A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-08 | 1902-08B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-09 | 1902-09A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-09 | 1902-09B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-10 | 1902-10A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-10 | 1902-10B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-11 | 1902-11A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-11 | 1902-11B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-12 | 1902-12A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-12 | 1902-12B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-13 | 1902-13A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-13 | 1902-13B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-14 | 1902-14 | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-14 | 1902-14A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-14 | 1902-14B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-15 | 1902-15A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-15 | 1902-15B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-16 | 1902-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-16 | 1902-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-17 | 1902-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1902 | 1902-17 | 1902-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-01 | 1903-01 | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1903 | 1903-01 | 1903-01A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1903 | 1903-01 | 1903-01B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1903 | 1903-02 | 1903-02A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1903 | 1903-02 | 1903-02B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1903 | 1903-03 | 1903-03A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1903 | 1903-03 | 1903-03B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1903 | 1903-04 | 1903-04A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-04 | 1903-04B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-05 | 1903-05A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-05 | 1903-05B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-06 | 1903-06A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-06 | 1903-06B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-07 | 1903-07A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-07 | 1903-07B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-08 | 1903-08A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-08 | 1903-08B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-09 | 1903-09A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-09 | 1903-09B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-10 | 1903-10 | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-10 | 1903-10A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-10 | 1903-10B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1903 | 1903-11 | 1903-11A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-11 | 1903-11B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-12 | 1903-12A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-12 | 1903-12B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-13 | 1903-13A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-13 | 1903-13B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-14 | 1903-14A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-14 | 1903-14B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-15 | 1903-15A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-15 | 1903-15B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-18 | 1903-18A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-18 | 1903-18B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-19 | 1903-19A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-19 | 1903-19B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-20 | 1903-20 | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-20 | 1903-20A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-20 | 1903-20B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-22 | 1903-22A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-22 | 1903-22B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-25 | 1903-25A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-25 | 1903-25B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-26 | 1903-26A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-26 | 1903-26B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-27 | 1903-27A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-27 | 1903-27B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-28 | 1903-28A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-28 | 1903-28B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-29 | 1903-29A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-29 | 1903-29B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-30 | 1903-30A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-30 | 1903-30B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-31 | 1903-31 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-31 | 1903-31A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-31 | 1903-31B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-32 | 1903-32A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-32 | 1903-32B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-33 | 1903-33A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-33 | 1903-33B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 1903 | 1903-16 | 1903-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-16 | 1903-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-17 | 1903-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1903 | 1903-17 | 1903-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1906 | 1906-01 | 1906-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1906 | 1906-01 | 1906-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1906 | 1906-02 | 1906-02 | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1906 | 1906-02 | 1906-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1906 | 1906-02 | 1906-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1906 | 1906-03 | 1906-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1906 | 1906-03 | 1906-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1906 | 1906-04 | 1906-04A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1906 | 1906-04 | 1906-04B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1906 | 1906-05 | 1906-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-05 | 1906-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-06 | 1906-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-06 | 1906-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-07 | 1906-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-07 | 1906-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-08 | 1906-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-08 | 1906-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-09 | 1906-09 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1906 | 1906-09 | 1906-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-09 | 1906-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-10 | 1906-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-10 | 1906-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-11 | 1906-11A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-11 | 1906-11B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-12 | 1906-12A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-12 | 1906-12B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-13 | 1906-13A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-13 | 1906-13B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-14 | 1906-14A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-14 | 1906-14B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-15 | 1906-15A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-15 | 1906-15B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-18 | 1906-18A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-18 | 1906-18B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-16 | 1906-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-16 | 1906-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-17 | 1906-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1906 | 1906-17 | 1906-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1907 | 1907-01 | 1907-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-01 | 1907-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-02 | 1907-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-02 | 1907-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-03 | 1907-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-03 | 1907-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-04 | 1907-04A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-04 | 1907-04B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-05 | 1907-05A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-05 | 1907-05B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1907 | 1907-06 | 1907-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-06 | 1907-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-07 | 1907-07 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-07 | 1907-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-07 | 1907-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-08 | 1907-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-08 | 1907-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-09 | 1907-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-09 | 1907-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-10 | 1907-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-10 | 1907-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-11 | 1907-11A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-11 | 1907-11B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-12 | 1907-12A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-12 | 1907-12B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-13 | 1907-13A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-13 | 1907-13B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-14 | 1907-14A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-14 | 1907-14B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-15 | 1907-15A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-15 | 1907-15B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-16 | 1907-16A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-16 | 1907-16B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-17 | 1907-17 | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-17 | 1907-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 1907 | 1907-17 | 1907-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 1908 | 1908-01 | 1908-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1908 | 1908-01 | 1908-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1908 | 1908-02 | 1908-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1908 | 1908-02 | 1908-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1908 | 1908-03 | 1908-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1908 | 1908-03 | 1908-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1908 | 1908-04 | 1908-04A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-04 | 1908-04B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-05 | 1908-05A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-05 | 1908-05B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-06 | 1908-06A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-06 | 1908-06B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-07 | 1908-07A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-07 | 1908-07B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-08 | 1908-08A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-08 | 1908-08B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-09 | 1908-09A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-09 | 1908-09B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-10 | 1908-10A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-10 | 1908-10B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-11 | 1908-11 | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-11 | 1908-11A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-11 | 1908-11B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-12 | 1908-12A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-12 | 1908-12B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-13 | 1908-13A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-13 | 1908-13B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-14 | 1908-14A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-14 | 1908-14B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-15 | 1908-15A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-15 | 1908-15B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-16 | 1908-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-16 | 1908-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-17 | 1908-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1908 | 1908-17 | 1908-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1909 | 1909-01 | 1909-01A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1909 | 1909-01 | 1909-01B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1909 | 1909-02 | 1909-02A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1909 | 1909-02 | 1909-02B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1909 | 1909-03 | 1909-03 | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1909 | 1909-03 | 1909-03A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1909 | 1909-03 | 1909-03B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1909 | 1909-04 | 1909-04A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-04 | 1909-04B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-05 | 1909-05 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-05 | 1909-05A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-05 | 1909-05B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-06 | 1909-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-06 | 1909-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-07 | 1909-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-07 | 1909-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-08 | 1909-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-08 | 1909-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-09 | 1909-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-09 | 1909-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-10 | 1909-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-10 | 1909-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-11 | 1909-11A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-11 | 1909-11B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-12 | 1909-12A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-12 | 1909-12B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-13 | 1909-13A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 1909 | 1909-13 | 1909-13B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 1910 | 1910-01 | 1910-01A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1910 | 1910-01 | 1910-01B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-02 | 1910-02A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-02 | 1910-02B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-03 | 1910-03A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-03 | 1910-03B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-04 | 1910-04A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-04 | 1910-04B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-05 | 1910-05A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-05 | 1910-05B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-06 | 1910-06A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-06 | 1910-06B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-07 | 1910-07A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-07 | 1910-07B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-08 | 1910-08 | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-08 | 1910-08A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-08 | 1910-08B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-09 | 1910-09A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-09 | 1910-09B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-10 | 1910-10A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-10 | 1910-10B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-11 | 1910-11A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-11 | 1910-11B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-12 | 1910-12A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-12 | 1910-12B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-13 | 1910-13A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-13 | 1910-13B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-14 | 1910-14A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-14 | 1910-14B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-15 | 1910-15 | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-15 | 1910-15A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-15 | 1910-15B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-16 | 1910-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-16 | 1910-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-17 | 1910-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 1910 | 1910-17 | 1910-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 1911 | 1911-01 | 1911-01A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-01 | 1911-01B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-02 | 1911-02A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-02 | 1911-02B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-03 | 1911-03A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-03 | 1911-03B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-04 | 1911-04A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-04 | 1911-04B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-05 | 1911-05A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-05 | 1911-05B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-06 | 1911-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-06 | 1911-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-07 | 1911-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-07 | 1911-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-08 | 1911-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-08 | 1911-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-09 | 1911-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-09 | 1911-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-10 | 1911-10 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-10 | 1911-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-10 | 1911-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-11 | 1911-11A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-11 | 1911-11B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-12 | 1911-12A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-12 | 1911-12B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1911 | 1911-13 | 1911-13A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-13 | 1911-13B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-14 | 1911-14A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-14 | 1911-14B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-15 | 1911-15A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-15 | 1911-15B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-16 | 1911-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-16 | 1911-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-17 | 1911-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 1911 | 1911-17 | 1911-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 1912 | 1912-01 | 1912-01A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-01 | 1912-01B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-03 | 1912-03A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-03 | 1912-03B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-05 | 1912-05A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-05 | 1912-05B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-06 | 1912-06A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-06 | 1912-06B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-07 | 1912-07A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-07 | 1912-07B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-08 | 1912-08A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-08 | 1912-08B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-09 | 1912-09 | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-09 | 1912-09A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-09 | 1912-09B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-10 | 1912-10A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-10 | 1912-10B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-11 | 1912-11A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-11 | 1912-11B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-12 | 1912-12A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-12 | 1912-12B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-13 | 1912-13A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-13 | 1912-13B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-14 | 1912-14A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-14 | 1912-14B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-15 | 1912-15A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-15 | 1912-15B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-16 | 1912-16A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-16 | 1912-16B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-17 | 1912-17A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-17 | 1912-17B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-02 | 1912-02A | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-02 | 1912-02B | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-04 | 1912-04A | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 1912 | 1912-04 | 1912-04B | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 1913 | 1913-01 | 1913-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1913 | 1913-01 | 1913-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1913 | 1913-02 | 1913-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1913 | 1913-02 | 1913-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1913 | 1913-03 | 1913-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1913 | 1913-03 | 1913-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1913 | 1913-04 | 1913-04A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1913 | 1913-04 | 1913-04B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1913 | 1913-05 | 1913-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-05 | 1913-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-06 | 1913-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-06 | 1913-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-07 | 1913-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-07 | 1913-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-08 | 1913-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1913 | 1913-08 | 1913-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-09 | 1913-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-09 | 1913-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-10 | 1913-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-10 | 1913-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-11 | 1913-11A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-11 | 1913-11B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-12 | 1913-12A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-12 | 1913-12B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-13 | 1913-13 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-13 | 1913-13A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-13 | 1913-13B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-14 | 1913-14A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-14 | 1913-14B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-15 | 1913-15A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-15 | 1913-15B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-18 | 1913-18A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-18 | 1913-18B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-16 | 1913-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-16 | 1913-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-17 | 1913-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1913 | 1913-17 | 1913-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 1914 | 1914-01 | 1914-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1914 | 1914-01 | 1914-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1914 | 1914-02 | 1914-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1914 | 1914-02 | 1914-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1914 | 1914-03 | 1914-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1914 | 1914-03 | 1914-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1914 | 1914-04 | 1914-04A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1914 | 1914-04 | 1914-04B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1914 | 1914-05 | 1914-05 | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-05 | 1914-05A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-05 | 1914-05B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-06 | 1914-06A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-06 | 1914-06B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-07 | 1914-07A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-07 | 1914-07B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-08 | 1914-08A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-08 | 1914-08B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-09 | 1914-09 | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-09 | 1914-09A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-09 | 1914-09B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-10 | 1914-10A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-10 | 1914-10B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-11 | 1914-11A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-11 | 1914-11B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-12 | 1914-12A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-12 | 1914-12B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-13 | 1914-13A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-13 | 1914-13B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-14 | 1914-14A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-14 | 1914-14B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-15 | 1914-15 | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-15 | 1914-15A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-15 | 1914-15B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-18 | 1914-18A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1914 | 1914-18 | 1914-18B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1914 | 1914-19 | 1914-19A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1914 | 1914-19 | 1914-19B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 1914 | 1914-15 | 1914-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 1914 | 1914-15 | 1914-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-16 | 1914-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1914 | 1914-16 | 1914-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-01 | 1915-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1915 | 1915-01 | 1915-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1915 | 1915-02 | 1915-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1915 | 1915-02 | 1915-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1915 | 1915-03 | 1915-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1915 | 1915-03 | 1915-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1915 | 1915-06 | 1915-06A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-06 | 1915-06B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-07 | 1915-07A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-07 | 1915-07B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-08 | 1915-08 | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-08 | 1915-08A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-08 | 1915-08B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-08 | 1915-108 | 0 | 0.17 | FIELD DUPLICATE | 3/8/2014 |
| 1915 | 1915-09 | 1915-09A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-09 | 1915-09B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-10 | 1915-10A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-10 | 1915-10B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-11 | 1915-11A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-11 | 1915-11B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-12 | 1915-12A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-12 | 1915-12B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-13 | 1915-13A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-13 | 1915-13B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-14 | 1915-14A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-14 | 1915-14B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-15 | 1915-15A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-15 | 1915-15B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-16 | 1915-16A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-16 | 1915-16B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-17 | 1915-17A | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-17 | 1915-17B | 0 | 0.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-04 | 1915-04A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-04 | 1915-04B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-05 | 1915-05A | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1915 | 1915-05 | 1915-05B | 0.83 | 1.17 | FIELD SAMPLE | 3/8/2014 |
| 1917 | 1917-01 | 1917-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1917 | 1917-01 | 1917-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1917 | 1917-02 | 1917-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1917 | 1917-02 | 1917-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1917 | 1917-03 | 1917-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1917 | 1917-03 | 1917-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1917 | 1917-04 | 1917-04 | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1917 | 1917-04 | 1917-04A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1917 | 1917-04 | 1917-04B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 191A | 191A-01 | 191A-01A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-01 | 191A-01B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-03 | 191A-03A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-03 | 191A-03B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-04 | 191A-04A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-04 | 191A-04B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-05 | 191A-05 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-05 | 191A-05A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-05 | 191A-05B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-06 | 191A-06A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-06 | 191A-06B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-07 | 191A-07A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|---------------------|-----------------------|---------------------|--------------|----------------|
| 191A | 191A-07 | 191A-07B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-08 | 191A-08A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-08 | 191A-08B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-09 | 191A-09A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-09 | 191A-09B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-10 | 191A-10A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-10 | 191A-10B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-11 | 191A-11A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-11 | 191A-11B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-12 | 191A-12A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-12 | 191A-12B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-13 | 191A-13A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-13 | 191A-13B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-14 | 191A-14A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-14 | 191A-14B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-15 | 191A-15 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-15 | 191A-15A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-15 | 191A-15B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-16 | 191A-16A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-16 | 191A-16B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | OFS-191-2 | OFS-191-2__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 191A | OFS-191-3 | OFS-191-3__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 191A | OFS-191-4 | OFS-191-4__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 191A | 191A-02 | 191A-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-02 | 191A-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-17 | 191A-17A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 191A | 191A-17 | 191A-17B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 191B | 191B-01 | 191B-01A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-01 | 191B-01B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-02 | 191B-02A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-02 | 191B-02B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-03 | 191B-03A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-03 | 191B-03B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-04 | 191B-04A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-04 | 191B-04B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-05 | 191B-05A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-05 | 191B-05B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-06 | 191B-06A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-06 | 191B-06B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-07 | 191B-07 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-07 | 191B-07A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-07 | 191B-07B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-08 | 191B-08A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-08 | 191B-08B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-10 | 191B-10A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-10 | 191B-10B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-11 | 191B-11A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-11 | 191B-11B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-12 | 191B-12A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-12 | 191B-12B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-13 | 191B-13A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-13 | 191B-13B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-14 | 191B-14A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-14 | 191B-14B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-15 | 191B-15A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-15 | 191B-15B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-16 | 191B-16A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-16 | 191B-16B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-18 | 191B-18A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-18 | 191B-18B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 191B | OFS-191-1 | OFS-191-1_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 191B | OFS-191-1 | OFS-991-1_5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 191B | OFS-191-5 | OFS-191-5_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 191B | OFS-191-6 | OFS-191-6_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 191B | OFS-191-7 | OFS-191-7_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 191B | OFS-191-8 | OFS-191-8_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 191B | OFS-191-9 | OFS-191-9_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 191B | OFS-191-1 | OFS-191-1-A_5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 191B | 191B-09 | 191B-09A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-09 | 191B-09B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-17 | 191B-17 | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-17 | 191B-17A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 191B | 191B-17 | 191B-17B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 192 | OFS-192-1 | OFS-192-1_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 192 | OFS-192-1 | OFS-992-1_5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 192 | OFS-192-2 | OFS-192-2_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 192 | OFS-192-3 | OFS-192-3_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 192 | OFS-192-4 | OFS-192-4_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 192 | OFS-192-5 | OFS-192-5_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 192 | OFS-192-6 | OFS-192-6_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 192 | OFS-192-7 | OFS-192-7_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 192 | OFS-192-8 | OFS-192-8_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 192 | OFS-192-9 | OFS-192-9_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 192 | OFS-192-1 | OFS-192-1-A_5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-1 | OFS-193-1_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-1 | OFS-993-1_5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 193 | OFS-193-2 | OFS-193-2_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-3 | OFS-193-3_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-4 | OFS-193-4_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-5 | OFS-193-5_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-6 | OFS-193-6_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-7 | OFS-193-7_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-8 | OFS-193-8_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-9 | OFS-193-9_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 193 | OFS-193-1 | OFS-193-1-A_5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-1 | OFS-194-1_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-1 | OFS-994-1_5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 194 | OFS-194-2 | OFS-194-2_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-3 | OFS-194-3_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-4 | OFS-194-4_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-5 | OFS-194-5_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-6 | OFS-194-6_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-7 | OFS-194-7_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-8 | OFS-194-8_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-9 | OFS-194-9_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 194 | OFS-194-1 | OFS-194-1-A_5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-1 | OFS-195-1_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-1 | OFS-995-1_5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 195 | OFS-195-2 | OFS-195-2_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-3 | OFS-195-3_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-4 | OFS-195-4_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-5 | OFS-195-5_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-6 | OFS-195-6_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-7 | OFS-195-7_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-8 | OFS-195-8_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-9 | OFS-195-9_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 195 | OFS-195-1 | OFS-195-1-A_5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 196 | OFS-196-1 | OFS-196-1_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 196 | OFS-196-1 | OFS-996-1_5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 196 | OFS-196-2 | OFS-196-2_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 196 | OFS-196-3 | OFS-196-3_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 196 | OFS-196-4 | OFS-196-4_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 196 | OFS-196-5 | OFS-196-5_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 196 | OFS-196-6 | OFS-196-6_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 196 | OFS-196-7 | OFS-196-7_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 196 | OFS-196-8 | OFS-196-8_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 196 | OFS-196-9 | OFS-196-9_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 196 | OFS-196-1 | OFS-196-1-A_5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-1 | OFS-197-1_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-1 | OFS-997-1_5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 197 | OFS-197-2 | OFS-197-2_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-3 | OFS-197-3_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-4 | OFS-197-4_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-5 | OFS-197-5_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-6 | OFS-197-6_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-7 | OFS-197-7_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-8 | OFS-197-8_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-9 | OFS-197-9_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 197 | OFS-197-1 | OFS-197-1-A_5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 198 | 198-20 | 198-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 198 | 198-20 | 198-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 198 | 198-21 | 198-21A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 198 | 198-21 | 198-21B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 198 | 198-22 | 198-22A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 198 | 198-22 | 198-22B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 198 | 198-23 | 198-23A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 198 | 198-23 | 198-23B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 198 | OFS-198-1 | OFS-198-1_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 198 | OFS-198-1 | OFS-998-1_5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 198 | OFS-198-2 | OFS-198-2_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 198 | OFS-198-3 | OFS-198-3_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 198 | OFS-198-4 | OFS-198-4_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 198 | OFS-198-5 | OFS-198-5_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 198 | OFS-198-6 | OFS-198-6_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 198 | OFS-198-7 | OFS-198-7_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 198 | OFS-198-8 | OFS-198-8_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 198 | OFS-198-9 | OFS-198-9_5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 198 | OFS-198-1 | OFS-198-1-A_5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 199 | 199-01 | 199-01A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-01 | 199-01B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-02 | 199-02A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-02 | 199-02B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-03 | 199-03A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-03 | 199-03B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-04 | 199-04A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-04 | 199-04B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-05 | 199-05A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-05 | 199-05B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-06 | 199-06A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-06 | 199-06B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-07 | 199-07A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-07 | 199-07B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-08 | 199-08 | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-08 | 199-08A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-08 | 199-08B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-09 | 199-09A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-09 | 199-09B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-11 | 199-11A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-11 | 199-11B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-12 | 199-12A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 199 | 199-12 | 199-12B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-13 | 199-13A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-13 | 199-13B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-14 | 199-14A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-14 | 199-14B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-16 | 199-16A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-16 | 199-16B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-17 | 199-17A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-17 | 199-17B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | OFS-199-1 | OFS-199-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 199 | OFS-199-1 | OFS-999-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 199 | OFS-199-2 | OFS-199-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 199 | OFS-199-3 | OFS-199-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 199 | OFS-199-4 | OFS-199-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 199 | OFS-199-5 | OFS-199-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 199 | OFS-199-6 | OFS-199-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 199 | OFS-199-7 | OFS-199-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 199 | OFS-199-8 | OFS-199-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 199 | OFS-199-9 | OFS-199-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 199 | OFS-199-1 | OFS-199-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |
| 199 | 199-10 | 199-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-10 | 199-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-15 | 199-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 199 | 199-15 | 199-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 201 | OFS-201-1 | OFS-201-1__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 201 | OFS-201-1 | OFS-801-1__5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/7/2010 |
| 201 | OFS-201-2 | OFS-201-2__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 201 | OFS-201-3 | OFS-201-3__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 201 | OFS-201-4 | OFS-201-4__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 201 | OFS-201-5 | OFS-201-5__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 201 | OFS-201-6 | OFS-201-6__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 201 | OFS-201-7 | OFS-201-7__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 201 | OFS-201-8 | OFS-201-8__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 201 | OFS-201-9 | OFS-201-9__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 5/7/2010 |
| 201 | OFS-201-1 | OFS-201-1-A__5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 5/7/2010 |
| 202 | OFS-202-1 | OFS-202-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 202 | OFS-202-1 | OFS-802-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 202 | OFS-202-2 | OFS-202-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 202 | OFS-202-3 | OFS-202-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 202 | OFS-202-4 | OFS-202-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 202 | OFS-202-5 | OFS-202-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 202 | OFS-202-6 | OFS-202-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 202 | OFS-202-7 | OFS-202-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 202 | OFS-202-8 | OFS-202-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 202 | OFS-202-9 | OFS-202-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 202 | OFS-202-1 | OFS-202-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 203A | 203-05 | 203-05A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-05 | 203-05B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-06 | 203-06A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-06 | 203-06B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-07 | 203-07A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-07 | 203-07B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-08 | 203-08 | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-08 | 203-08A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-08 | 203-08B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-09 | 203-09A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-09 | 203-09B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-10 | 203-10A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-10 | 203-10B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-11 | 203-11A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 203A | 203-11 | 203-11B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203A | 203-18 | 203-18A | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-18 | 203-18B | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-19 | 203-19A | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-19 | 203-19B | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-20 | 203-20A | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-20 | 203-20B | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-21 | 203-21 | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-21 | 203-21A | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-21 | 203-21B | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-22 | 203-22A | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-22 | 203-22B | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-23 | 203-23A | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-23 | 203-23B | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203A | 203-36 | 203-36A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203A | 203-36 | 203-36B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203A | OFS-203-1 | OFS-203-1__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 40305 |
| 203A | OFS-203-2 | OFS-203-2__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 40305 |
| 203A | OFS-203-3 | OFS-203-3__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 40305 |
| 203A | OFS-203-4 | OFS-203-4__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 40305 |
| 203A | OFS-203-5 | OFS-203-5__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 40305 |
| 203A | OFS-203-6 | OFS-203-6__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 40305 |
| 203A | OFS-203-7 | OFS-203-7__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 40305 |
| 203A | OFS-221-2 | OFS-221-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 40309 |
| 203A | OFS-203-1 | OFS-803-1__5/7/2010 | 0 | 0.2 | FIELD DUPLICATE | 40305 |
| 203A | OFS-203-1 | OFS-203-1-A__5/7/2010 | 0.8 | 1 | FIELD SAMPLE | 40305 |
| 203B | 203-01 | 203-01A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-01 | 203-01B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-03 | 203-03A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-03 | 203-03B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-04 | 203-04A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-04 | 203-04B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-12 | 203-12A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-12 | 203-12B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-13 | 203-13A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-13 | 203-13B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-15 | 203-15A | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-15 | 203-15B | 0 | 0.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-17 | 203-17A | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203B | 203-17 | 203-17B | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203B | 203-30 | 203-30A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-30 | 203-30B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-31 | 203-31A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-31 | 203-31B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-32 | 203-32A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-32 | 203-32B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-33 | 203-33A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-33 | 203-33B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-34 | 203-34A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-34 | 203-34B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-35 | 203-35A | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 203-35 | 203-35B | 0 | 0.17 | FIELD SAMPLE | 08-May-14 |
| 203B | 221-25 | 221-25A | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203B | 221-25 | 221-25B | 0 | 0.17 | FIELD SAMPLE | 21-Feb-14 |
| 203B | OFS-203-8 | OFS-203-8__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 40305 |
| 203B | OFS-203-9 | OFS-203-9__5/7/2010 | 0 | 0.2 | FIELD SAMPLE | 40305 |
| 203B | OFS-221-3 | OFS-221-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 40309 |
| 203B | 203-02 | 203-02A | 0.83 | 1.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-02 | 203-02B | 0.83 | 1.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-14 | 203-14A | 0.83 | 1.17 | FIELD SAMPLE | 20-Feb-14 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 203B | 203-14 | 203-14B | 0.83 | 1.17 | FIELD SAMPLE | 20-Feb-14 |
| 203B | 203-16 | 203-16A | 0.83 | 1.17 | FIELD SAMPLE | 21-Feb-14 |
| 203B | 203-16 | 203-16B | 0.83 | 1.17 | FIELD SAMPLE | 21-Feb-14 |
| 203B | 221-24 | 221-24A | 0.83 | 1.17 | FIELD SAMPLE | 21-Feb-14 |
| 203B | 221-24 | 221-24B | 0.83 | 1.17 | FIELD SAMPLE | 21-Feb-14 |
| 204 | OFS-204-1 | OFS-204-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 204 | OFS-204-1 | OFS-804-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 204 | OFS-204-2 | OFS-204-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 204 | OFS-204-3 | OFS-204-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 204 | OFS-204-4 | OFS-204-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 204 | OFS-204-5 | OFS-204-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 204 | OFS-204-6 | OFS-204-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 204 | OFS-204-7 | OFS-204-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 204 | OFS-204-8 | OFS-204-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 204 | OFS-204-9 | OFS-204-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 204 | OFS-204-1 | OFS-204-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-1 | OFS-205-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-1 | OFS-805-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 205 | OFS-205-2 | OFS-205-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-3 | OFS-205-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-4 | OFS-205-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-5 | OFS-205-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-6 | OFS-205-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-7 | OFS-205-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-8 | OFS-205-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-9 | OFS-205-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 205 | OFS-205-1 | OFS-205-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-1 | OFS-206-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-1 | OFS-806-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 206 | OFS-206-2 | OFS-206-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-3 | OFS-206-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-4 | OFS-206-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-5 | OFS-206-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-6 | OFS-206-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-7 | OFS-206-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-8 | OFS-206-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-9 | OFS-206-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 206 | OFS-206-1 | OFS-206-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-1 | OFS-207-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-1 | OFS-807-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 207 | OFS-207-2 | OFS-207-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-3 | OFS-207-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-4 | OFS-207-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-5 | OFS-207-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-6 | OFS-207-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-7 | OFS-207-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-8 | OFS-207-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-9 | OFS-207-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 207 | OFS-207-1 | OFS-207-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-1 | OFS-209-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-1 | OFS-809-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 209 | OFS-209-2 | OFS-209-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-3 | OFS-209-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-4 | OFS-209-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-5 | OFS-209-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-6 | OFS-209-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-7 | OFS-209-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-8 | OFS-209-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-9 | OFS-209-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 209 | OFS-209-1 | OFS-209-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 210 | OFS-210-1 | OFS-210-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 210 | OFS-210-1 | OFS-810-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 210 | OFS-210-2 | OFS-210-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 210 | OFS-210-3 | OFS-210-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 210 | OFS-210-4 | OFS-210-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 210 | OFS-210-5 | OFS-210-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 210 | OFS-210-6 | OFS-210-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 210 | OFS-210-7 | OFS-210-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 210 | OFS-210-8 | OFS-210-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 210 | OFS-210-9 | OFS-210-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 210 | OFS-210-1 | OFS-210-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |
| 2102 | 2102-01 | 2102-01A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-01 | 2102-01B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-02 | 2102-02A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-02 | 2102-02B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-03 | 2102-03A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-03 | 2102-03B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-05 | 2102-05A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-05 | 2102-05B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-06 | 2102-06 | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2102 | 2102-06 | 2102-06A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2102 | 2102-06 | 2102-06B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2102 | 2102-07 | 2102-07A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-07 | 2102-07B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-08 | 2102-08A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-08 | 2102-08B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-09 | 2102-09A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-09 | 2102-09B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-10 | 2102-10A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-10 | 2102-10B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-11 | 2102-11A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-11 | 2102-11B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-12 | 2102-12A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-12 | 2102-12B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-13 | 2102-13A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-13 | 2102-13B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-14 | 2102-14A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-14 | 2102-14B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-15 | 2102-15A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-15 | 2102-15B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-16 | 2102-16A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-16 | 2102-16B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-04 | 2102-04A | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-04 | 2102-04B | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2102 | 2102-17 | 2102-17 | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2102 | 2102-17 | 2102-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2102 | 2102-17 | 2102-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2103A | 2103A-01 | 2103A-01A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-01 | 2103A-01B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-02 | 2103A-02A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-02 | 2103A-02B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-03 | 2103A-03A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-03 | 2103A-03B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-04 | 2103A-04A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-04 | 2103A-04B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-05 | 2103A-05A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-05 | 2103A-05B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-06 | 2103A-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-06 | 2103A-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-07 | 2103A-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 2103A | 2103A-07 | 2103A-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-08 | 2103A-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-08 | 2103A-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-09 | 2103A-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-09 | 2103A-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-10 | 2103A-10 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-10 | 2103A-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-10 | 2103A-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-11 | 2103A-11A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-11 | 2103A-11B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-12 | 2103A-12A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-12 | 2103A-12B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-13 | 2103A-13A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-13 | 2103A-13B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-14 | 2103A-14A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-14 | 2103A-14B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-15 | 2103A-15A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-15 | 2103A-15B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-16 | 2103A-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-16 | 2103A-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-17 | 2103A-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2103A | 2103A-17 | 2103A-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | XRF-651 | XRF-651t a__5/13/2013 | 0 | 0.08 | FIELD SAMPLE | 5/13/2013 |
| 2103B | XRF-651 | XRF-651t b__5/13/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/13/2013 |
| 2103B | 2103B-01 | 2103B-01A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-01 | 2103B-01B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-02 | 2103B-02A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-02 | 2103B-02B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-03 | 2103B-03A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-03 | 2103B-03B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-04 | 2103B-04A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-04 | 2103B-04B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-05 | 2103B-05A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-05 | 2103B-05B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-06 | 2103B-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-06 | 2103B-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-07 | 2103B-07 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-07 | 2103B-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-07 | 2103B-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-08 | 2103B-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-08 | 2103B-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-09 | 2103B-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-09 | 2103B-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-10 | 2103B-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-10 | 2103B-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-11 | 2103B-11A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-11 | 2103B-11B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-12 | 2103B-12A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-12 | 2103B-12B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-13 | 2103B-13A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-13 | 2103B-13B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-14 | 2103B-14A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-14 | 2103B-14B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-15 | 2103B-15A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-15 | 2103B-15B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | XRF-313 | XRF-313 | 0 | 0.2 | FIELD SAMPLE | 4/19/2012 |
| 2103B | 2103B-16 | 2103B-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-16 | 2103B-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-17 | 2103B-17 | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | 2103B-17 | 2103B-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|---------------------------|-----------------------|---------------------|-----------------|----------------|
| 2103B | 2103B-17 | 2103B-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2103B | XRF-651 | XRF-652a__5/13/2013 | 0.91 | 1 | FIELD SAMPLE | 5/13/2013 |
| 2103B | XRF-651 | XRF-652b__5/13/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/13/2013 |
| 2103B | XRF-313 | XRF-314 | 1 | 1 | FIELD SAMPLE | 4/19/2012 |
| 2105 | XRF-648.1 | XRF-648a__5/13/2013 | 0 | 0.08 | FIELD SAMPLE | 5/13/2013 |
| 2105 | XRF-648.1 | XRF-648b__5/13/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/13/2013 |
| 2105 | XRF-648.1 | XRF-649a upper__5/30/2013 | 0 | 0.08 | FIELD SAMPLE | 5/30/2013 |
| 2105 | XRF-648.1 | XRF-649b upper__5/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/30/2013 |
| 2105 | 2105-01 | 2105-01A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-01 | 2105-01B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-02 | 2105-02A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-02 | 2105-02B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-03 | 2105-03A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-03 | 2105-03B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-04 | 2105-04 | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-04 | 2105-04A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-04 | 2105-04B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-04 | 2105-104 | 0 | 0.17 | FIELD DUPLICATE | 3/20/2014 |
| 2105 | 2105-06 | 2105-06A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-06 | 2105-06B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-07 | 2105-07A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-07 | 2105-07B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-08 | 2105-08A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-08 | 2105-08B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-09 | 2105-09A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-09 | 2105-09B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-10 | 2105-10A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-10 | 2105-10B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-11 | 2105-11A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-11 | 2105-11B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-13 | 2105-113 | 0 | 0.17 | FIELD DUPLICATE | 3/20/2014 |
| 2105 | 2105-13 | 2105-13 | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-13 | 2105-13A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-13 | 2105-13B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-14 | 2105-14A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-14 | 2105-14B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-15 | 2105-15A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-15 | 2105-15B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-16 | 2105-16A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-16 | 2105-16B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-17 | 2105-17A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-17 | 2105-17B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-18 | 2105-18A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-18 | 2105-18B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-19 | 2105-19A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-19 | 2105-19B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-20 | 2105-20A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-20 | 2105-20B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-22 | 2105-22A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-22 | 2105-22B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-23 | 2105-23A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-23 | 2105-23B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-05 | 2105-05A | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-05 | 2105-05B | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-12 | 2105-12A | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-12 | 2105-12B | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-21 | 2105-21 | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-21 | 2105-21A | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | 2105-21 | 2105-21B | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2105 | XRF-650 | XRF-650d a__5/13/2013 | 0.91 | 1 | FIELD SAMPLE | 5/13/2013 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 2105 | XRF-650 | XRF-650d b__5/13/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/13/2013 |
| 2108 | 2108-01 | 2108-01A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-01 | 2108-01B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-02 | 2108-02 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-02 | 2108-02A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-02 | 2108-02B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-03 | 2108-03A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-03 | 2108-03B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-04 | 2108-04A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-04 | 2108-04B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-05 | 2108-05A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-05 | 2108-05B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-06 | 2108-06A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-06 | 2108-06B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-07 | 2108-07A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-07 | 2108-07B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-08 | 2108-08A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-08 | 2108-08B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-09 | 2108-09A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-09 | 2108-09B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-10 | 2108-10A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-10 | 2108-10B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-11 | 2108-11A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-11 | 2108-11B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-12 | 2108-12 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-12 | 2108-12A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-12 | 2108-12B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-13 | 2108-13A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-13 | 2108-13B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-14 | 2108-14A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-14 | 2108-14B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-15 | 2108-15A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-15 | 2108-15B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-16 | 2108-16A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-16 | 2108-16B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-17 | 2108-17A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2108 | 2108-17 | 2108-17B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2109 | 2109-01 | 2109-01A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-01 | 2109-01B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-02 | 2109-02A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-02 | 2109-02B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-03 | 2109-03A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-03 | 2109-03B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-04 | 2109-04A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-04 | 2109-04B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-05 | 2109-05A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-05 | 2109-05B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-06 | 2109-06A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-06 | 2109-06B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-07 | 2109-07A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-07 | 2109-07B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-08 | 2109-08A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-08 | 2109-08B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-09 | 2109-09 | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-09 | 2109-09A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-09 | 2109-09B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-10 | 2109-10A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-10 | 2109-10B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-11 | 2109-11A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-11 | 2109-11B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 2109 | 2109-12 | 2109-12A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-12 | 2109-12B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-13 | 2109-13A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-13 | 2109-13B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-14 | 2109-14A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-14 | 2109-14B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-15 | 2109-15A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-15 | 2109-15B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-16 | 2109-16A | 0.83 | 1.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-16 | 2109-16B | 0.83 | 1.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-17 | 2109-17A | 0.83 | 1.17 | FIELD SAMPLE | 1/30/2014 |
| 2109 | 2109-17 | 2109-17B | 0.83 | 1.17 | FIELD SAMPLE | 1/30/2014 |
| 211 | OFS-211-1 | OFS-211-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 211 | OFS-211-1 | OFS-811-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 211 | OFS-211-2 | OFS-211-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 211 | OFS-211-3 | OFS-211-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 211 | OFS-211-4 | OFS-211-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 211 | OFS-211-5 | OFS-211-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 211 | OFS-211-6 | OFS-211-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 211 | OFS-211-7 | OFS-211-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 211 | OFS-211-8 | OFS-211-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 211 | OFS-211-9 | OFS-211-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 211 | OFS-211-1 | OFS-211-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |
| 2110 | 2110-01 | 2110-01 | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-01 | 2110-01A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-01 | 2110-01B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-03 | 2110-03A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-03 | 2110-03B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-04 | 2110-04A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-04 | 2110-04B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-05 | 2110-05A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-05 | 2110-05B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-06 | 2110-06A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-06 | 2110-06B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-07 | 2110-07A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-07 | 2110-07B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-08 | 2110-08A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-08 | 2110-08B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-09 | 2110-09A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-09 | 2110-09B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-10 | 2110-10A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-10 | 2110-10B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-11 | 2110-11A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-11 | 2110-11B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-12 | 2110-12A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-12 | 2110-12B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-13 | 2110-13A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-13 | 2110-13B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-14 | 2110-14A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-14 | 2110-14B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-15 | 2110-15A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-15 | 2110-15B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-16 | 2110-16 | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-16 | 2110-16A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-16 | 2110-16B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-02 | 2110-02A | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-02 | 2110-02B | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-17 | 2110-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2110 | 2110-17 | 2110-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2111A | 2111A-01 | 2111A-01A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2111A | 2111A-01 | 2111A-01B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-02 | 2111A-02A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-02 | 2111A-02B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-03 | 2111A-03A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-03 | 2111A-03B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-04 | 2111A-04 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-04 | 2111A-04A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-04 | 2111A-04B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-05 | 2111A-05A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-05 | 2111A-05B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-06 | 2111A-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-06 | 2111A-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-07 | 2111A-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-07 | 2111A-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-08 | 2111A-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-08 | 2111A-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-09 | 2111A-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-09 | 2111A-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-10 | 2111A-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-10 | 2111A-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-11 | 2111A-11A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-11 | 2111A-11B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-12 | 2111A-12A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-12 | 2111A-12B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-13 | 2111A-13A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-13 | 2111A-13B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-14 | 2111A-14 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-14 | 2111A-14A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-14 | 2111A-14B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-15 | 2111A-15A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-15 | 2111A-15B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-16 | 2111A-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-16 | 2111A-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-17 | 2111A-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2111A | 2111A-17 | 2111A-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2111B | 2111B-01 | 2111B-01A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-01 | 2111B-01B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-02 | 2111B-02A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-02 | 2111B-02B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-03 | 2111B-03 | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-03 | 2111B-03A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-03 | 2111B-03B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-04 | 2111B-04A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-04 | 2111B-04B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-05 | 2111B-05A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-05 | 2111B-05B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-06 | 2111B-06A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-06 | 2111B-06B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-07 | 2111B-07A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-07 | 2111B-07B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-08 | 2111B-08A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-08 | 2111B-08B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-09 | 2111B-09A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-09 | 2111B-09B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-11 | 2111B-11A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-11 | 2111B-11B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-13 | 2111B-13 | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-13 | 2111B-13A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-13 | 2111B-13B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-14 | 2111B-14A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2111B | 2111B-14 | 2111B-14B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-15 | 2111B-15A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-15 | 2111B-15B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-18 | 2111B-18A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2111B | 2111B-18 | 2111B-18B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2111B | 2111B-19 | 2111B-19 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2111B | 2111B-19 | 2111B-19A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2111B | 2111B-19 | 2111B-19B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2111B | 2111B-20 | 2111B-20A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2111B | 2111B-20 | 2111B-20B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2111B | 2111B-21 | 2111B-21A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2111B | 2111B-21 | 2111B-21B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2111B | 2111B-16 | 2111B-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2111B | 2111B-16 | 2111B-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2112 | 2112-03 | 2112-03A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-03 | 2112-03B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-04 | 2112-04A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-04 | 2112-04B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-05 | 2112-05 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-05 | 2112-05A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-05 | 2112-05B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-06 | 2112-06A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-06 | 2112-06B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-07 | 2112-07A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-07 | 2112-07B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-08 | 2112-08A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-08 | 2112-08B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-09 | 2112-09A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-09 | 2112-09B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-10 | 2112-10A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-10 | 2112-10B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-11 | 2112-11A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-11 | 2112-11B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-12 | 2112-12A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-12 | 2112-12B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-13 | 2112-13A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-13 | 2112-13B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-14 | 2112-14A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-14 | 2112-14B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-15 | 2112-15 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-15 | 2112-15A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-15 | 2112-15B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-16 | 2112-16A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-16 | 2112-16B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-17 | 2112-17A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-17 | 2112-17B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-01 | 2112-01A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-01 | 2112-01B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-02 | 2112-02A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2112 | 2112-02 | 2112-02B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2114 | 2111B-10 | 2111B-10A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2114 | 2111B-10 | 2111B-10B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2114 | 2111B-12 | 2111B-12A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2114 | 2111B-12 | 2111B-12B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2114 | 2114-01 | 2114-01A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-01 | 2114-01B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-02 | 2114-02A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-02 | 2114-02B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-03 | 2114-03A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-03 | 2114-03B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2114 | 2114-04 | 2114-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-04 | 2114-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-05 | 2114-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-05 | 2114-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-06 | 2114-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-06 | 2114-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-07 | 2114-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-07 | 2114-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-08 | 2114-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-08 | 2114-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-09 | 2114-09 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-09 | 2114-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-09 | 2114-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-10 | 2114-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-10 | 2114-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-11 | 2114-11A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-11 | 2114-11B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-12 | 2114-12A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-12 | 2114-12B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-13 | 2114-13A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-13 | 2114-13B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-14 | 2114-14A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-14 | 2114-14B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-15 | 2114-15A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-15 | 2114-15B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2111B-17 | 2111B-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2114 | 2111B-17 | 2111B-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2114 | 2114-16 | 2114-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-16 | 2114-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-17 | 2114-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2114 | 2114-17 | 2114-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2115 | 2115-01 | 2115-01A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-01 | 2115-01B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-03 | 2115-03A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-03 | 2115-03B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-04 | 2115-04A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-04 | 2115-04B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-05 | 2115-05A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-05 | 2115-05B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-06 | 2115-06A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-06 | 2115-06B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-07 | 2115-07A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-07 | 2115-07B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-08 | 2115-08A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-08 | 2115-08B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-09 | 2115-09A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-09 | 2115-09B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-10 | 2115-10 | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-10 | 2115-10A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-10 | 2115-10B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-11 | 2115-11A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-11 | 2115-11B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-12 | 2115-12A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-12 | 2115-12B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-14 | 2115-14A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-14 | 2115-14B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-15 | 2115-15A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-15 | 2115-15B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-16 | 2115-16A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-16 | 2115-16B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 2115 | 2115-17 | 2115-17A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-17 | 2115-17B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-01 | 2115-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-01 | 2115-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-12 | 2115-13A | 0.83 | 1.17 | FIELD SAMPLE | 2/1/2014 |
| 2115 | 2115-12 | 2115-13B | 0.83 | 1.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-01 | 2116-01A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-01 | 2116-01B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-03 | 2116-03 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-03 | 2116-03A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-03 | 2116-03B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-04 | 2116-04A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-04 | 2116-04B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-05 | 2116-05A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-05 | 2116-05B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-06 | 2116-06A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-06 | 2116-06B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-07 | 2116-07A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-07 | 2116-07B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-09 | 2116-09A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-09 | 2116-09B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-10 | 2116-10A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-10 | 2116-10B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-11 | 2116-11A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-11 | 2116-11B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-12 | 2116-12A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-12 | 2116-12B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-13 | 2116-13 | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-13 | 2116-13A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-13 | 2116-13B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-14 | 2116-14A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-14 | 2116-14B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-15 | 2116-15A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-15 | 2116-15B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-16 | 2116-16A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-16 | 2116-16B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-17 | 2116-17A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-17 | 2116-17B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-18 | 2116-18A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-18 | 2116-18B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-19 | 2116-19A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-19 | 2116-19B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-20 | 2116-20A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-20 | 2116-20B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-21 | 2116-21A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-21 | 2116-21B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-23 | 2116-23 | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-23 | 2116-23A | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-23 | 2116-23B | 0 | 0.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-02 | 2116-02A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-02 | 2116-02B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-07 | 2116-08A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-07 | 2116-08B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2116 | 2116-21 | 2116-22A | 0.83 | 1.17 | FIELD SAMPLE | 2/1/2014 |
| 2116 | 2116-21 | 2116-22B | 0.83 | 1.17 | FIELD SAMPLE | 2/1/2014 |
| 2117 | 2117-01 | 2117-01 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-01 | 2117-01A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-01 | 2117-01B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-01 | 2117-101 | 0 | 0.17 | FIELD DUPLICATE | 1/31/2014 |
| 2117 | 2117-02 | 2117-02A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| 2117 | 2117-02 | 2117-02B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-03 | 2117-03A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-03 | 2117-03B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-05 | 2117-05A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-05 | 2117-05B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-06 | 2117-06A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-06 | 2117-06B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-07 | 2117-07A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-07 | 2117-07B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-08 | 2117-08A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-08 | 2117-08B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-09 | 2117-09A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-09 | 2117-09B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-11 | 2117-11A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-11 | 2117-11B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-13 | 2117-13A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-13 | 2117-13B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-14 | 2117-14A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-14 | 2117-14B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-15 | 2117-15A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-15 | 2117-15B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-16 | 2117-16A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-16 | 2117-16B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-17 | 2117-17A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-17 | 2117-17B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-18 | 2117-18A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-18 | 2117-18B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-19 | 2117-19A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-19 | 2117-19B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-20 | 2117-20A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-20 | 2117-20B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-21 | 2117-21A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-21 | 2117-21B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-22 | 2117-22A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-22 | 2117-22B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-23 | 2117-23A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-23 | 2117-23B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-04 | 2117-04 | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-04 | 2117-04A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-04 | 2117-04B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-10 | 2117-10A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-10 | 2117-10B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2117 | 2117-12 | 2117-12A | 0.83 | 1.17 | FIELD SAMPLE | 1/30/2014 |
| 2117 | 2117-12 | 2117-12B | 0.83 | 1.17 | FIELD SAMPLE | 1/30/2014 |
| 2118 | XRF-885 | XRF-885__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| 2118 | XRF-885 | XRF-885a__5/22/2013 | 0 | 0.08 | FIELD SAMPLE | 5/22/2013 |
| 2118 | XRF-885 | XRF-885b__5/22/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/22/2013 |
| 2118 | XRF-887 | XRF-887a__5/22/2013 | 0 | 0.08 | FIELD SAMPLE | 5/22/2013 |
| 2118 | XRF-887 | XRF-887b__5/22/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/22/2013 |
| 2118 | 2118-01 | 2118-01A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-01 | 2118-01B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-02 | 2118-02A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-02 | 2118-02B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-03 | 2118-03A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-03 | 2118-03B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-04 | 2118-04A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-04 | 2118-04B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-05 | 2118-05A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-05 | 2118-05B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-06 | 2118-06A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| 2118 | 2118-06 | 2118-06B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-07 | 2118-07 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-07 | 2118-07A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-07 | 2118-07B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-08 | 2118-08A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-08 | 2118-08B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-09 | 2118-09A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-09 | 2118-09B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-10 | 2118-10A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-10 | 2118-10B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-11 | 2118-11A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-11 | 2118-11B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-13 | 2118-13A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-13 | 2118-13B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-14 | 2118-14A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-14 | 2118-14B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-15 | 2118-15A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-15 | 2118-15B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-16 | 2118-16A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-16 | 2118-16B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-17 | 2118-17 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-17 | 2118-17A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-17 | 2118-17B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-19 | 2118-19A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-19 | 2118-19B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-20 | 2118-20A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-20 | 2118-20B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-21 | 2118-21A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-21 | 2118-21B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-23 | 2118-23A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-23 | 2118-23B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | XRF-885 | XRF-886a__5/22/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/22/2013 |
| 2118 | XRF-885 | XRF-886b__5/22/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/22/2013 |
| 2118 | XRF-887 | XRF-888__5/1/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/1/2013 |
| 2118 | XRF-887 | XRF-888a__5/22/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/22/2013 |
| 2118 | XRF-887 | XRF-888b__5/22/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/22/2013 |
| 2118 | 2118-12 | 2118-12A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-12 | 2118-12B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-18 | 2118-18A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-18 | 2118-18B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-22 | 2118-22A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2118 | 2118-22 | 2118-22B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2119A | 2119A-01 | 2119A-01A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-01 | 2119A-01B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-02 | 2119A-02A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-02 | 2119A-02B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-03 | 2119A-03A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-03 | 2119A-03B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-04 | 2119A-04A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-04 | 2119A-04B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-05 | 2119A-05 | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-05 | 2119A-05A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-05 | 2119A-05B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-05 | 2119A-105 | 0 | 0.17 | FIELD DUPLICATE | 3/6/2014 |
| 2119A | 2119A-07 | 2119A-07A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-07 | 2119A-07B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-08 | 2119A-08A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-08 | 2119A-08B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-09 | 2119A-09A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-09 | 2119A-09B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 2119A | 2119A-10 | 2119A-10A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-10 | 2119A-10B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-11 | 2119A-11A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-11 | 2119A-11B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-12 | 2119A-12A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-12 | 2119A-12B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-13 | 2119A-13 | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-13 | 2119A-13A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-13 | 2119A-13B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-14 | 2119A-14A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-14 | 2119A-14B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-15 | 2119A-15A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-15 | 2119A-15B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-16 | 2119A-16A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-16 | 2119A-16B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-17 | 2119A-17A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-17 | 2119A-17B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-18 | 2119A-18A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-18 | 2119A-18B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-19 | 2119A-19A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-19 | 2119A-19B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-20 | 2119A-20A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-20 | 2119A-20B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-22 | 2119A-22A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-22 | 2119A-22B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-24 | 2119A-24A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-24 | 2119A-24B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-25 | 2119A-25A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-25 | 2119A-25B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-26 | 2119A-26A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-26 | 2119A-26B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-27 | 2119A-27A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-27 | 2119A-27B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-06 | 2119A-06A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-06 | 2119A-06B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-21 | 2119A-21A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-21 | 2119A-21B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-23 | 2119A-23 | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-23 | 2119A-23A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119A | 2119A-23 | 2119A-23B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-01 | 2119B-02A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-01 | 2119B-02B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-03 | 2119B-03A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-03 | 2119B-03B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-04 | 2119B-04 | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-04 | 2119B-04A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-04 | 2119B-04B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-04 | 2119B-104 | 0 | 0.17 | FIELD DUPLICATE | 3/6/2014 |
| 2119B | 2119B-05 | 2119B-05A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-05 | 2119B-05B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-06 | 2119B-06A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-06 | 2119B-06B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-07 | 2119B-07A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-07 | 2119B-07B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-08 | 2119B-08A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-08 | 2119B-08B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-09 | 2119B-09A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-09 | 2119B-09B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-10 | 2119B-10A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-10 | 2119B-10B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 2119B | 2119B-11 | 2119B-11A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-11 | 2119B-11B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-12 | 2119B-12A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-12 | 2119B-12B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-13 | 2119B-13A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-13 | 2119B-13B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-14 | 2119B-14A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-14 | 2119B-14B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-15 | 2119B-15A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-15 | 2119B-15B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-16 | 2119B-16A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-16 | 2119B-16B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-01 | 2119B-01A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-01 | 2119B-01B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-16 | 2119B-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2119B | 2119B-16 | 2119B-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 212 | OFS-212-1 | OFS-212-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 212 | OFS-212-1 | OFS-812-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 212 | OFS-212-2 | OFS-212-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 212 | OFS-212-3 | OFS-212-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 212 | OFS-212-4 | OFS-212-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 212 | OFS-212-5 | OFS-212-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 212 | OFS-212-6 | OFS-212-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 212 | OFS-212-7 | OFS-212-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 212 | OFS-212-8 | OFS-212-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 212 | OFS-212-9 | OFS-212-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 212 | OFS-212-1 | OFS-212-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-1 | OFS-213-1__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-1 | OFS-813-1__5/8/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/8/2010 |
| 213 | OFS-213-2 | OFS-213-2__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-3 | OFS-213-3__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-4 | OFS-213-4__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-5 | OFS-213-5__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-6 | OFS-213-6__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-7 | OFS-213-7__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-8 | OFS-213-8__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-9 | OFS-213-9__5/8/2010 | 0 | 0.2 | FIELD SAMPLE | 5/8/2010 |
| 213 | OFS-213-1 | OFS-213-1-A__5/8/2010 | 0.8 | 1 | FIELD SAMPLE | 5/8/2010 |
| 214A | 214A-01 | 214A-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-01 | 214A-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-02 | 214A-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-02 | 214A-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-03 | 214A-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-03 | 214A-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-04 | 214A-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-04 | 214A-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-06 | 214A-06 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-06 | 214A-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-06 | 214A-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-07 | 214A-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-07 | 214A-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-08 | 214A-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-08 | 214A-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-09 | 214A-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-09 | 214A-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-10 | 214A-10A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-10 | 214A-10B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | OFS-214-2 | OFS-214-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 214A | OFS-214-3 | OFS-214-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 214A | OFS-214-4 | OFS-214-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 214A | OFS-214-5 | OFS-214-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 214A | 214A-05 | 214A-05A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 214A | 214A-05 | 214A-05B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 214B | 214B-01 | 214B-01A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-01 | 214B-01B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-02 | 214B-02A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-02 | 214B-02B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-03 | 214B-03A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-03 | 214B-03B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-04 | 214B-04A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-04 | 214B-04B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-05 | 214B-05A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-05 | 214B-05B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-06 | 214B-06A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-06 | 214B-06B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-07 | 214B-07 | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-07 | 214B-07A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-07 | 214B-07B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | OFS-214-1 | OFS-214-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 214B | OFS-214-1 | OFS-814-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 214B | OFS-214-6 | OFS-214-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 214B | OFS-214-7 | OFS-214-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 214B | OFS-214-8 | OFS-214-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 214B | OFS-214-9 | OFS-214-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 214B | OFS-214-1 | OFS-214-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 214B | 214B-08 | 214B-08A | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 214B | 214B-08 | 214B-08B | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 215A | CHU-SB08 | CHU-SB08-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215A | CHU-SB08 | CHU-SB08-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-03 | 215A-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-03 | 215A-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-04 | 215A-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-04 | 215A-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-05 | 215A-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-05 | 215A-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-06 | 215A-06 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-06 | 215A-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-06 | 215A-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-07 | 215A-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-07 | 215A-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-08 | 215A-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-08 | 215A-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-09 | 215A-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-09 | 215A-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-10 | 215A-10A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-10 | 215A-10B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-11 | 215A-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-11 | 215A-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215A | 215A-12 | 215A-12A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 215A | 215A-12 | 215A-12B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 215A | 215A-13 | 215A-13A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 215A | 215A-13 | 215A-13B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 215A | OFS-215-2 | OFS-215-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 215B | CHU-SB09 | CHU-SB09-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215B | CHU-SB09 | CHU-SB09-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215B | XRF-827 | XRF-827a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| 215B | XRF-827 | XRF-827b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| 215B | 215A-01 | 215A-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215A-01 | 215A-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-01 | 215B-01 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| 215B | 215B-01 | 215B-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-01 | 215B-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-03 | 215B-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-03 | 215B-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-04 | 215B-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-04 | 215B-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-05 | 215B-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-05 | 215B-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-06 | 215B-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-06 | 215B-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-07 | 215B-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-07 | 215B-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-08 | 215B-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-08 | 215B-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-09 | 215B-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-09 | 215B-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-10 | 215B-10A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-10 | 215B-10B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-11 | 215B-11 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-11 | 215B-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-11 | 215B-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215A-01 | 215A-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215A-01 | 215A-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-01 | 215B-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | 215B-01 | 215B-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 215B | XRF-827 | XRF-828a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| 215B | XRF-827 | XRF-828b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| 215C | CHU-SB05 | CHU-SB05-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215C | CHU-SB05 | CHU-SB05-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215C | CHU-SB06 | CHU-SB06-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215C | CHU-SB06 | CHU-SB06-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215C | CHU-SB07 | CHU-SB07-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215C | CHU-SB07 | CHU-SB07-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 215C | XRF-821 | XRF-821a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| 215C | XRF-821 | XRF-821b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| 215C | XRF-823 | XRF-823a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| 215C | XRF-823 | XRF-823b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| 215C | XRF-825 | XRF-825a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| 215C | XRF-825 | XRF-825b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| 215C | XRF-829 | XRF-829__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| 215C | XRF-829 | XRF-829a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| 215C | XRF-829 | XRF-829b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| 215C | XRF-831 | XRF-831a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| 215C | XRF-831 | XRF-831b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| 215C | XRF-833 | XRF-833a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| 215C | XRF-833 | XRF-833b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| 215C | 215C-01 | 215C-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-01 | 215C-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-02 | 215C-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-02 | 215C-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-03 | 215C-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-03 | 215C-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-04 | 215C-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-04 | 215C-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-05 | 215C-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-05 | 215C-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-06 | 215C-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-06 | 215C-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-07 | 215C-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-07 | 215C-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 215C | 215C-08 | 215C-08 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-08 | 215C-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-08 | 215C-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-09 | 215C-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-09 | 215C-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-11 | 215C-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-11 | 215C-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | OFS-215-1 | OFS-215-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 215C | OFS-215-1 | OFS-815-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 215C | OFS-215-3 | OFS-215-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 215C | OFS-215-4 | OFS-215-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 215C | OFS-215-6 | OFS-215-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 215C | OFS-215-8 | OFS-215-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 215C | OFS-215-9 | OFS-215-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 215C | OFS-215-1 | OFS-215-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 215C | 215C-10 | 215C-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-10 | 215C-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-12 | 215C-12A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | 215C-12 | 215C-12B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 215C | XRF-823 | XRF-824a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| 215C | XRF-823 | XRF-824b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| 215C | XRF-825 | XRF-826a__5/20/2013 | 0.91 | 1 | FIELD SAMPLE | 5/20/2013 |
| 215C | XRF-825 | XRF-826b__5/20/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/20/2013 |
| 215C | XRF-829 | XRF-830a__5/31/2013 | 0.91 | 1 | FIELD SAMPLE | 5/31/2013 |
| 215C | XRF-829 | XRF-830b__5/31/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/31/2013 |
| 215C | XRF-831 | XRF-832a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| 215C | XRF-831 | XRF-832b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| 215C | XRF-833 | XRF-834a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| 215C | XRF-833 | XRF-834b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| 215C | XRF-821 | XRF-822__5/1/2013 | 1.41 | 1.5 | FIELD SAMPLE | 5/1/2013 |
| 215C | XRF-821 | XRF-822a__5/20/2013 | 1.41 | 1.5 | FIELD SAMPLE | 5/20/2013 |
| 215C | XRF-821 | XRF-822b__5/20/2013 | 1.41 | 1.5 | FIELD DUPLICATE | 5/20/2013 |
| 216 | OFS-216-1 | OFS-216-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 216 | OFS-216-1 | OFS-816-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 216 | OFS-216-2 | OFS-216-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 216 | OFS-216-3 | OFS-216-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 216 | OFS-216-4 | OFS-216-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 216 | OFS-216-5 | OFS-216-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 216 | OFS-216-6 | OFS-216-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 216 | OFS-216-7 | OFS-216-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 216 | OFS-216-8 | OFS-216-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 216 | OFS-216-9 | OFS-216-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 216 | OFS-216-1 | OFS-216-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-1 | OFS-217-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-1 | OFS-817-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 217 | OFS-217-2 | OFS-217-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-3 | OFS-217-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-4 | OFS-217-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-5 | OFS-217-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-6 | OFS-217-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-7 | OFS-217-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-8 | OFS-217-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-9 | OFS-217-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 217 | OFS-217-1 | OFS-217-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 218 | OFS-218-1 | OFS-218-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 218 | OFS-218-1 | OFS-818-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 218 | OFS-218-2 | OFS-218-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 218 | OFS-218-3 | OFS-218-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 218 | OFS-218-4 | OFS-218-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 218 | OFS-218-5 | OFS-218-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 218 | OFS-218-6 | OFS-218-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 218 | OFS-218-7 | OFS-218-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 218 | OFS-218-8 | OFS-218-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 218 | OFS-218-9 | OFS-218-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 218 | OFS-218-1 | OFS-218-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-1 | OFS-219-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-1 | OFS-819-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 219 | OFS-219-2 | OFS-219-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-3 | OFS-219-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-4 | OFS-219-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-5 | OFS-219-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-6 | OFS-219-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-7 | OFS-219-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-8 | OFS-219-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-9 | OFS-219-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 219 | OFS-219-1 | OFS-219-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-1 | OFS-220-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-1 | OFS-820-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 220 | OFS-220-2 | OFS-220-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-3 | OFS-220-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-4 | OFS-220-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-5 | OFS-220-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-6 | OFS-220-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-7 | OFS-220-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-8 | OFS-220-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-9 | OFS-220-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 220 | OFS-220-1 | OFS-220-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 2201 | 2201-01 | 2201-01A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-01 | 2201-01B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-02 | 2201-02A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-02 | 2201-02B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-03 | 2201-03A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-03 | 2201-03B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-04 | 2201-04A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-04 | 2201-04B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-05 | 2201-05A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-05 | 2201-05B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-06 | 2201-06A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-06 | 2201-06B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-07 | 2201-07A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-07 | 2201-07B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-08 | 2201-08A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-08 | 2201-08B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-09 | 2201-09 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-09 | 2201-09A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-09 | 2201-09B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-10 | 2201-10A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-10 | 2201-10B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-11 | 2201-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2201 | 2201-11 | 2201-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2202 | 2202-01 | 2202-01A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-01 | 2202-01B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-02 | 2202-02A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-02 | 2202-02B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-03 | 2202-03 | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-03 | 2202-03A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-03 | 2202-03B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-04 | 2202-04A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-04 | 2202-04B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-05 | 2202-05A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2202 | 2202-05 | 2202-05B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-06 | 2202-06A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-06 | 2202-06B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-07 | 2202-07A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-07 | 2202-07B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-08 | 2202-08A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-08 | 2202-08B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-09 | 2202-09 | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-09 | 2202-09A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-09 | 2202-09B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-10 | 2202-10A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-10 | 2202-10B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-12 | 2202-12A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-12 | 2202-12B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-12 | 2202-13A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-12 | 2202-13B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-11 | 2202-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2202 | 2202-11 | 2202-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2203 | 2203-01 | 2203-01A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-01 | 2203-01B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-02 | 2203-02A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-02 | 2203-02B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-03 | 2203-03A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-03 | 2203-03B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-04 | 2203-04A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-04 | 2203-04B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-05 | 2203-05A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-05 | 2203-05B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-06 | 2203-06A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-06 | 2203-06B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-07 | 2203-07A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-07 | 2203-07B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-08 | 2203-08 | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-08 | 2203-08A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-08 | 2203-08B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-09 | 2203-09A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-09 | 2203-09B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-10 | 2203-10A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-10 | 2203-10B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-11 | 2203-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 2203 | 2203-11 | 2203-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-01 | 2204-01A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-01 | 2204-01B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-02 | 2204-02A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-02 | 2204-02B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-03 | 2204-03A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-03 | 2204-03B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-04 | 2204-04A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-04 | 2204-04B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-05 | 2204-05A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-05 | 2204-05B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-06 | 2204-06A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-06 | 2204-06B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-07 | 2204-07 | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-07 | 2204-07A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-07 | 2204-07B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-08 | 2204-08A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-08 | 2204-08B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-09 | 2204-09A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-09 | 2204-09B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|--------------------|-----------------------|---------------------|--------------|----------------|
| 2204 | 2204-10 | 2204-10A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-10 | 2204-10B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-11 | 2204-11A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-11 | 2204-11B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-12 | 2204-12A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-12 | 2204-12B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-13 | 2204-13A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-13 | 2204-13B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-14 | 2204-14A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-14 | 2204-14B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-15 | 2204-15A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-15 | 2204-15B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-16 | 2204-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-16 | 2204-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-17 | 2204-17 | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-17 | 2204-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 2204 | 2204-17 | 2204-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 2205 | 2005-01 | 2005-01A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-01 | 2005-01B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-02 | 2005-02A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-02 | 2005-02B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-03 | 2005-03A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-03 | 2005-03B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-04 | 2005-04A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-04 | 2005-04B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-05 | 2005-05A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-05 | 2005-05B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-06 | 2005-06A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-06 | 2005-06B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-07 | 2005-07A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-07 | 2005-07B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-08 | 2005-08 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-08 | 2005-08A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-08 | 2005-08B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-09 | 2005-09A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-09 | 2005-09B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-10 | 2005-10A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-10 | 2005-10B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 07-BG | 07-BG-0__8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 2205 | 2005-11 | 2005-11A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2205 | 2005-11 | 2005-11B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-01 | 2009-01A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-01 | 2009-01B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-02 | 2009-02A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-02 | 2009-02B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-03 | 2009-03A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-03 | 2009-03B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-04 | 2009-04 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-04 | 2009-04A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-04 | 2009-04B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-05 | 2009-05A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-05 | 2009-05B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-06 | 2009-06A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-06 | 2009-06B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-07 | 2009-07A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-07 | 2009-07B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-08 | 2009-08A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-08 | 2009-08B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-09 | 2009-09A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-09 | 2009-09B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2209 | 2009-10 | 2009-10A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-10 | 2009-10B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-11 | 2009-11A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2209 | 2009-11 | 2009-11B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 221 | 109-10 | 109-10 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-10 | 109-10A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-10 | 109-10B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-11 | 109-11 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-11 | 109-11A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-11 | 109-11B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-12 | 109-12A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-12 | 109-12B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-13 | 109-13A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-13 | 109-13B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-14 | 109-14A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-14 | 109-14B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 221-02 | 221-02A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-02 | 221-02B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-03 | 221-03A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-03 | 221-03B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-04 | 221-04A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-04 | 221-04B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-05 | 221-05A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-05 | 221-05B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-06 | 221-06A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-06 | 221-06B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-07 | 221-08 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-07 | 221-08A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-07 | 221-08B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-09 | 221-09A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-09 | 221-09B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-10 | 221-10A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-10 | 221-10B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-11 | 221-11A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-11 | 221-11B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-12 | 221-12A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-12 | 221-12B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-13 | 221-13A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-13 | 221-13B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-14 | 221-14A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-14 | 221-14B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-15 | 221-15A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-15 | 221-15B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-16 | 221-16A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-16 | 221-16B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-17 | 221-17A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-17 | 221-17B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-18 | 221-18 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-18 | 221-18A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-18 | 221-18B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-19 | 221-19A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-19 | 221-19B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-20 | 221-20A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-20 | 221-20B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-21 | 221-21A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-21 | 221-21B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-22 | 221-22A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-22 | 221-22B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-23 | 221-23A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-23 | 221-23B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 221 | 221-26 | 221-26A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-26 | 221-26B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-27 | 221-27A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-27 | 221-27B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | OFS-221-1 | OFS-221-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 221 | OFS-221-1 | OFS-821-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 221 | OFS-221-2 | OFS-221-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 221 | OFS-221-3 | OFS-221-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 221 | OFS-221-4 | OFS-221-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 221 | OFS-221-5 | OFS-221-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 221 | OFS-221-6 | OFS-221-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 221 | OFS-221-7 | OFS-221-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 221 | OFS-221-8 | OFS-221-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 221 | OFS-221-9 | OFS-221-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 221 | OFS-221-1 | OFS-221-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 221 | 109-16 | 109-16A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-16 | 109-16B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-17 | 109-17A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 109-17 | 109-17B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 221 | 221-01 | 221-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-01 | 221-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-07 | 221-07A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 221 | 221-07 | 221-07B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2211 | 2211-01 | 2211-02A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-01 | 2211-02B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-03 | 2211-03A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-03 | 2211-03B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-04 | 2211-04 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-04 | 2211-04A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-04 | 2211-04B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-05 | 2211-05A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-05 | 2211-05B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-06 | 2211-06A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-06 | 2211-06B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-07 | 2211-07A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-07 | 2211-07B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-08 | 2211-08A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-08 | 2211-08B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-09 | 2211-09A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-09 | 2211-09B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-10 | 2211-10A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-10 | 2211-10B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-11 | 2211-11A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-11 | 2211-11B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-12 | 2211-12A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-12 | 2211-12B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-01 | 2211-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 2211 | 2211-01 | 2211-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 2214 | 2014-01 | 2014-01A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-01 | 2014-01B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-02 | 2014-02A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-02 | 2014-02B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-03 | 2014-03A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-03 | 2014-03B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-04 | 2014-04A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-04 | 2014-04B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-05 | 2014-05A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-05 | 2014-05B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-06 | 2014-06A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-06 | 2014-06B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2214 | 2014-07 | 2014-07 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-07 | 2014-07A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-07 | 2014-07B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-08 | 2014-08 | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-08 | 2014-08A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-08 | 2014-08B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-09 | 2014-09A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-09 | 2014-09B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-10 | 2014-10A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-10 | 2014-10B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-12 | 2014-12A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-12 | 2014-12B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-13 | 2014-13A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-13 | 2014-13B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-14 | 2014-14A | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-14 | 2014-14B | 0 | 0.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-11 | 2014-11A | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2214 | 2014-11 | 2014-11B | 0.83 | 1.17 | FIELD SAMPLE | 1/31/2014 |
| 2215 | 2215-01 | 2215-01 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-01 | 2215-01A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-01 | 2215-01B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-03 | 2215-03A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-03 | 2215-03B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-04 | 2215-04A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-04 | 2215-04B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-05 | 2215-05A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-05 | 2215-05B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-06 | 2215-06A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-06 | 2215-06B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-07 | 2215-07A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-07 | 2215-07B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-08 | 2215-08A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-08 | 2215-08B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-09 | 2215-09A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-09 | 2215-09B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-10 | 2215-10A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-10 | 2215-10B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-11 | 2215-11 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-11 | 2215-11A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-11 | 2215-11B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-01 | 2215-02A | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2215 | 2215-01 | 2215-02B | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2216 | 2216-01 | 2216-01A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-01 | 2216-01B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-02 | 2216-02 | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-02 | 2216-02A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-02 | 2216-02B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-03 | 2216-03A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-03 | 2216-03B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-04 | 2216-04A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-04 | 2216-04B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-05 | 2216-05A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-05 | 2216-05B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-06 | 2216-06A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-06 | 2216-06B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-07 | 2216-07A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-07 | 2216-07B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-08 | 2216-08A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-08 | 2216-08B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-09 | 2216-09 | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 2216 | 2216-09 | 2216-09A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-09 | 2216-09B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-10 | 2216-10A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-10 | 2216-10B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-11 | 2216-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 2216 | 2216-11 | 2216-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 222 | 222-01 | 222-01A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-01 | 222-01B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-02 | 222-02A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-02 | 222-02B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-03 | 222-03 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-03 | 222-03A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-03 | 222-03B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-04 | 222-04A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-04 | 222-04B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-05 | 222-05A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-05 | 222-05B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-06 | 222-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-06 | 222-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-07 | 222-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-07 | 222-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-08 | 222-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-08 | 222-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-09 | 222-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-09 | 222-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-10 | 222-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-10 | 222-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-20 | 222-20A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 222 | 222-20 | 222-20B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 222 | 222-21 | 222-21A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 222 | 222-21 | 222-21B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 222 | 222-22 | 222-22A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 222 | 222-22 | 222-22B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 222 | 222-23 | 222-23A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 222 | 222-23 | 222-23B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 222 | OFS-222-1 | OFS-222-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 222 | OFS-222-1 | OFS-822-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 222 | OFS-222-2 | OFS-222-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 222 | OFS-222-3 | OFS-222-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 222 | OFS-222-4 | OFS-222-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 222 | OFS-222-5 | OFS-222-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 222 | OFS-222-6 | OFS-222-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 222 | OFS-222-7 | OFS-222-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 222 | OFS-222-8 | OFS-222-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 222 | OFS-222-9 | OFS-222-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 222 | OFS-222-1 | OFS-222-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 222 | 222-11 | 222-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 222 | 222-11 | 222-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 223 | 223-01 | 223-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-01 | 223-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-02 | 223-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-02 | 223-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-04 | 223-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-04 | 223-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-05 | 223-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-05 | 223-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-06 | 223-06 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-06 | 223-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-06 | 223-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-07 | 223-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 223 | 223-07 | 223-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-08 | 223-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-08 | 223-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-09 | 223-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-09 | 223-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | OFS-223-1 | OFS-223-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 223 | OFS-223-1 | OFS-823-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 223 | OFS-223-2 | OFS-223-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 223 | OFS-223-3 | OFS-223-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 223 | OFS-223-4 | OFS-223-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 223 | OFS-223-5 | OFS-223-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 223 | OFS-223-6 | OFS-223-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 223 | OFS-223-7 | OFS-223-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 223 | OFS-223-8 | OFS-223-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 223 | OFS-223-9 | OFS-223-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 223 | OFS-223-1 | OFS-223-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 223 | 223-02 | 223-03A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 223 | 223-02 | 223-03B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-01 | 224-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-01 | 224-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-02 | 224-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-02 | 224-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-04 | 224-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-04 | 224-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-05 | 224-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-05 | 224-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-06 | 224-06 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-06 | 224-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-06 | 224-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-07 | 224-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-07 | 224-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-08 | 224-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-08 | 224-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-09 | 224-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-09 | 224-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | OFS-224-1 | OFS-224-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-224-1 | OFS-824-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 224 | OFS-224-2 | OFS-224-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-224-3 | OFS-224-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-224-4 | OFS-224-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-224-5 | OFS-224-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-224-6 | OFS-224-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-224-7 | OFS-224-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-224-8 | OFS-224-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-224-9 | OFS-224-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-225-3 | OFS-225-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 224 | OFS-224-1 | OFS-224-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 224 | 224-03 | 224-03A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-03 | 224-03B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-10 | 224-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 224 | 224-10 | 224-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | XRF-851 | XRF-851a__5/28/2013 | 0 | 0.08 | FIELD SAMPLE | 5/28/2013 |
| 225A | XRF-851 | XRF-851b__5/28/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/28/2013 |
| 225A | 225AB-01 | 225AB-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-01 | 225AB-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-02 | 225AB-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-02 | 225AB-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-03 | 225AB-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-03 | 225AB-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-04 | 225AB-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 225A | 225AB-04 | 225AB-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-05 | 225AB-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-05 | 225AB-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-06 | 225AB-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-06 | 225AB-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-08 | 225AB-08 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-08 | 225AB-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-08 | 225AB-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-09 | 225AB-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-09 | 225AB-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-10 | 225AB-10A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-10 | 225AB-10B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-11 | 225AB-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-11 | 225AB-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-12 | 225AB-12A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-12 | 225AB-12B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-13 | 225AB-13A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-13 | 225AB-13B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-14 | 225AB-14A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-14 | 225AB-14B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-15 | 225AB-15A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-15 | 225AB-15B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-17 | 225AB-17A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-17 | 225AB-17B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | OFS-225-1 | OFS-225-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 225A | OFS-225-1 | OFS-825-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 225A | OFS-225-2 | OFS-225-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 225A | OFS-225-4 | OFS-225-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 225A | OFS-225-6 | OFS-225-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 225A | OFS-225-9 | OFS-225-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 225A | OFS-225-1 | OFS-225-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 225A | 225AB-07 | 225AB-07A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-07 | 225AB-07B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-16 | 225AB-16A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | 225AB-16 | 225AB-16B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 225A | XRF-851 | XRF-852a__5/31/2013 | 0.91 | 1 | FIELD SAMPLE | 5/31/2013 |
| 225A | XRF-851 | XRF-852b__5/31/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/31/2013 |
| 225C | XRF-849 | XRF-849a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| 225C | XRF-849 | XRF-849b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| 225C | XRF-853 | XRF-853__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| 225C | XRF-853 | XRF-853a__5/21/2013 | 0 | 0.08 | FIELD SAMPLE | 5/21/2013 |
| 225C | XRF-853 | XRF-853b__5/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/21/2013 |
| 225C | 225C-01 | 225C-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-01 | 225C-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-03 | 225C-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-03 | 225C-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-04 | 225C-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-04 | 225C-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-05 | 225C-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-05 | 225C-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-06 | 225C-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-06 | 225C-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-07 | 225C-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-07 | 225C-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-08 | 225C-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-08 | 225C-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-09 | 225C-09 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-09 | 225C-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-09 | 225C-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-10 | 225C-10A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 225C | 225C-10 | 225C-10B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-11 | 225C-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-11 | 225C-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | OFS-225-7 | OFS-225-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 225C | OFS-225-8 | OFS-225-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 225C | 225C-01 | 225C-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | 225C-01 | 225C-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 225C | XRF-849 | XRF-850a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| 225C | XRF-849 | XRF-850b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| 225C | XRF-853 | XRF-854a__5/28/2013 | 0.91 | 1 | FIELD SAMPLE | 5/28/2013 |
| 225C | XRF-853 | XRF-854b__5/28/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/28/2013 |
| 226 | CHU-SB12 | CHU-SB12-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 226 | CHU-SB12 | CHU-SB12-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| 226 | CHU-SB13 | CHU-SB13-0A | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| 226 | CHU-SB13 | CHU-SB13-0B | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| 226 | CHU-SB14 | CHU-SB14-0A | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| 226 | CHU-SB14 | CHU-SB14-0B | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| 226 | CHU-SB15 | CHU-SB15-0A | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| 226 | CHU-SB15 | CHU-SB15-0B | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| 226 | XRF-819 | XRF-819a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| 226 | XRF-819 | XRF-819b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| 226 | XRF-845 | XRF-845a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| 226 | XRF-845 | XRF-845b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| 226 | OFS-226-1 | OFS-226-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 226 | OFS-226-1 | OFS-826-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 226 | OFS-226-2 | OFS-226-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 226 | OFS-226-3 | OFS-226-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 226 | OFS-226-4 | OFS-226-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 226 | OFS-226-5 | OFS-226-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 226 | OFS-226-6 | OFS-226-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 226 | OFS-226-7 | OFS-226-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 226 | OFS-226-8 | OFS-226-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 226 | OFS-226-9 | OFS-226-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 226 | IK-D14 | IK-D14__4/9/2002 | 0 | 0.5 | FIELD SAMPLE | 4/9/2002 |
| 226 | IK-D14 | IK-D15__4/9/2002 | 0 | 0.5 | FIELD DUPLICATE | 4/9/2002 |
| 226 | OFS-226-1 | OFS-226-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 226 | XRF-845 | XRF-846a__5/20/2013 | 0.91 | 1 | FIELD SAMPLE | 5/20/2013 |
| 226 | XRF-845 | XRF-846b__5/20/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/20/2013 |
| 226 | XRF-819 | XRF-820a__5/17/2013 | 1.41 | 1.5 | FIELD SAMPLE | 5/17/2013 |
| 226 | XRF-819 | XRF-820b__5/17/2013 | 1.41 | 1.5 | FIELD DUPLICATE | 5/17/2013 |
| 226 | CHU-SB15 | CHU-SB15-2A | 2 | 2 | FIELD SAMPLE | 2/28/2014 |
| 226 | CHU-SB15 | CHU-SB15-2B | 2 | 2 | FIELD SAMPLE | 2/28/2014 |
| 227 and 70J | 70J-001 | 70J-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-002 | 70J-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-003 | 70J-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-004 | 70J-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-005 | 70J-005-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-005 | 70J-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-006 | 70J-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-007 | 70J-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-008 | 70J-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-009 | 70J-009-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-009 | 70J-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-010 | 70J-010-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-010 | 70J-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-011 | 70J-011-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-011 | 70J-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-012 | 70J-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-013 | 70J-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-014 | 70J-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 227 and 70J | 70J-015 | 70J-015-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-015 | 70J-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-016 | 70J-016-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-017 | 70J-017-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-018 | 70J-018-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-019 | 70J-019-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-020 | 70J-020-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-020 | 70J-020-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-021 | 70J-021-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-022 | 70J-022-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-023 | 70J-023-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-024 | 70J-024-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-025 | 70J-025-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-026 | 70J-026-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-027 | 70J-027-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-028 | 70J-028-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-029 | 70J-029-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-029 | 70J-029-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-030 | 70J-030-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | 70J-031 | 70J-031-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 227 and 70J | OFS-227-1 | OFS-227-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 227 and 70J | OFS-227-1 | OFS-827-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 227 and 70J | OFS-227-2 | OFS-227-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 227 and 70J | OFS-227-3 | OFS-227-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 227 and 70J | OFS-227-4 | OFS-227-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 227 and 70J | OFS-227-5 | OFS-227-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 227 and 70J | OFS-227-6 | OFS-227-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 227 and 70J | OFS-227-7 | OFS-227-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 227 and 70J | OFS-227-8 | OFS-227-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 227 and 70J | OFS-227-9 | OFS-227-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 227 and 70J | OFS-227-1 | OFS-227-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | 55J-001 | 55J-001-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-001 | 55J-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-002 | 55J-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-003 | 55J-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-004 | 55J-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-005 | 55J-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-006 | 55J-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-007 | 55J-007-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-007 | 55J-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-008 | 55J-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-009 | 55J-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-010 | 55J-010-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-010 | 55J-010-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-010 | 55J-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-010 | 55J-110-1 | 0 | 0.17 | FIELD DUPLICATE | 8/13/2013 |
| 228 and 55J | 55J-011 | 55J-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-012 | 55J-012-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-012 | 55J-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-013 | 55J-013-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-013 | 55J-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-014 | 55J-014-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-014 | 55J-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-015 | 55J-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-016 | 55J-016-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-016 | 55J-016-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-017 | 55J-017-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-017 | 55J-017-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-018 | 55J-018-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 228 and 55J | 55J-018 | 55J-018-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 228 and 55J | OFS-228-1 | OFS-228-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | OFS-228-1 | OFS-828-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 228 and 55J | OFS-228-2 | OFS-228-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | OFS-228-3 | OFS-228-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | OFS-228-4 | OFS-228-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | OFS-228-5 | OFS-228-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | OFS-228-6 | OFS-228-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | OFS-228-7 | OFS-228-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | OFS-228-8 | OFS-228-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | OFS-228-9 | OFS-228-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 228 and 55J | OFS-228-1 | OFS-228-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | 36W-001 | 36W-001-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-001 | 36W-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-002 | 36W-002-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-002 | 36W-002-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-002 | 36W-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-003 | 36W-003-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-003 | 36W-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-004 | 36W-004-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-004 | 36W-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-005 | 36W-005-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-005 | 36W-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-006 | 36W-006-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-006 | 36W-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-007 | 36W-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-008 | 36W-008-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-008 | 36W-008-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-008 | 36W-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-009 | 36W-009-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-009 | 36W-009-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-009 | 36W-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-010 | 36W-010-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-010 | 36W-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-011 | 36W-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-012 | 36W-012-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-012 | 36W-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-013 | 36W-013-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-013 | 36W-013-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-013 | 36W-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-014 | 36W-014-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-014 | 36W-014-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-014 | 36W-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-015 | 36W-015-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-015 | 36W-015-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-015 | 36W-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-016 | 36W-016-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-017 | 36W-017-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-017 | 36W-017-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-017 | 36W-017-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-018 | 36W-018-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-018 | 36W-018-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-018 | 36W-018-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-019 | 36W-019-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-019 | 36W-019-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-019 | 36W-019-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-020 | 36W-020-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-020 | 36W-020-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-020 | 36W-020-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-021 | 36W-021-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-021 | 36W-021-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 229 and 36W | 36W-021 | 36W-021-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-022 | 36W-022-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-022 | 36W-022-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-022 | 36W-022-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-023 | 36W-023-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-023 | 36W-023-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-023 | 36W-023-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-024 | 36W-024-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-024 | 36W-024-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-025 | 36W-025-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-025 | 36W-025-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-025 | 36W-025-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-026 | 36W-026-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-026 | 36W-026-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-026 | 36W-026-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-027 | 36W-027-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | 36W-027 | 36W-027-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 229 and 36W | OFS-229-1 | OFS-229-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | OFS-229-1 | OFS-829-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| 229 and 36W | OFS-229-2 | OFS-229-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | OFS-229-3 | OFS-229-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | OFS-229-4 | OFS-229-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | OFS-229-5 | OFS-229-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | OFS-229-6 | OFS-229-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | OFS-229-7 | OFS-229-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | OFS-229-8 | OFS-229-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | OFS-229-9 | OFS-229-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | OFS-229-1 | OFS-229-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| 229 and 36W | 36W-015 | 36W-015-2F | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-017 | 36W-017-2F | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-020 | 36W-020-2F | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-021 | 36W-021-2F | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-023 | 36W-023-2F | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-026 | 36W-026-2F | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-015 | 36W-015-3F | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-017 | 36W-017-3F | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-020 | 36W-020-3F | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-021 | 36W-021-3F | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-023 | 36W-023-3F | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 229 and 36W | 36W-026 | 36W-026-3F | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 230 | 230-01 | 230-01A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-01 | 230-01B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-02 | 230-02A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-02 | 230-02B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-03 | 230-03A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-03 | 230-03B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-04 | 230-04A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-04 | 230-04B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-05 | 230-05 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-05 | 230-05A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-05 | 230-05B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-06 | 230-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-06 | 230-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-07 | 230-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-07 | 230-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-08 | 230-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-08 | 230-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-09 | 230-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-09 | 230-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-10 | 230-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|--------------|----------------|
| 230 | 230-10 | 230-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | OFS-230-2 | OFS-230-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 230 | OFS-230-3 | OFS-230-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 230 | OFS-230-4 | OFS-230-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 230 | OFS-230-5 | OFS-230-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 230 | OFS-230-6 | OFS-230-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 230 | OFS-230-7 | OFS-230-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 230 | OFS-230-8 | OFS-230-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 230 | OFS-230-9 | OFS-230-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 230 | 230-11 | 230-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 230 | 230-11 | 230-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2304 | 2304-01 | 2304-01A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-01 | 2304-01B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-02 | 2304-02A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-02 | 2304-02B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-03 | 2304-03A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-03 | 2304-03B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-04 | 2304-04A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-04 | 2304-04B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-05 | 2304-05A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-05 | 2304-05B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-06 | 2304-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-06 | 2304-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-07 | 2304-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-07 | 2304-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-08 | 2304-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-08 | 2304-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-09 | 2304-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-09 | 2304-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-10 | 2304-10 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-10 | 2304-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-10 | 2304-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-11 | 2304-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2304 | 2304-11 | 2304-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2305 | 2305-01 | 2305-01A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-01 | 2305-01B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-03 | 2305-03A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-03 | 2305-03B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-04 | 2305-04A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-04 | 2305-04B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-05 | 2305-05 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-05 | 2305-05A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-05 | 2305-05B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-06 | 2305-06A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-06 | 2305-06B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-07 | 2305-07A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-07 | 2305-07B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-08 | 2305-08A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-08 | 2305-08B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-09 | 2305-09A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-09 | 2305-09B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-10 | 2305-10A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-10 | 2305-10B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-11 | 2305-11A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-11 | 2305-11B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-02 | 2305-02A | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2305 | 2305-02 | 2305-02B | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2307 | 2307-01 | 2307-01A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-01 | 2307-01B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-02 | 2307-02A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 2307 | 2307-02 | 2307-02B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-03 | 2307-03A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-03 | 2307-03B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-04 | 2307-04A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-04 | 2307-04B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-05 | 2307-05A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-05 | 2307-05B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-06 | 2307-06A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-06 | 2307-06B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-07 | 2307-07A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-07 | 2307-07B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-08 | 2307-08 | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-08 | 2307-08A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-08 | 2307-08B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-09 | 2307-09A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-09 | 2307-09B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-10 | 2307-10A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-10 | 2307-10B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-11 | 2307-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 2307 | 2307-11 | 2307-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 2308 | 2308-01 | 2308-01A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-01 | 2308-01B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-02 | 2308-02A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-02 | 2308-02B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-03 | 2308-03A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-03 | 2308-03B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-04 | 2308-04A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-04 | 2308-04B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-05 | 2308-05A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-05 | 2308-05B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-06 | 2308-06A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-06 | 2308-06B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-07 | 2308-07 | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-07 | 2308-07A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-07 | 2308-07B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-08 | 2308-08A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-08 | 2308-08B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-09 | 2308-09A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-09 | 2308-09B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-10 | 2308-10A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-10 | 2308-10B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-11 | 2308-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 2308 | 2308-11 | 2308-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 231 | OFS-231-1 | OFS-231-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 231 | OFS-231-1 | OFS-831-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 231 | OFS-231-2 | OFS-231-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 231 | OFS-231-3 | OFS-231-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 231 | OFS-231-4 | OFS-231-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 231 | OFS-231-5 | OFS-231-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 231 | OFS-231-6 | OFS-231-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 231 | OFS-231-7 | OFS-231-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 231 | OFS-231-8 | OFS-231-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 231 | OFS-231-9 | OFS-231-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 231 | OFS-231-1 | OFS-231-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 2310 | 2310-01 | 2310-01 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-01 | 2310-01A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-01 | 2310-01B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-02 | 2310-02A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-02 | 2310-02B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-03 | 2310-03A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2310 | 2310-03 | 2310-03B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-04 | 2310-04A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-04 | 2310-04B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-05 | 2310-05A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-05 | 2310-05B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-06 | 2310-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-06 | 2310-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-07 | 2310-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-07 | 2310-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-08 | 2310-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-08 | 2310-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-09 | 2310-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-09 | 2310-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-10 | 2310-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-10 | 2310-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-11 | 2310-11 | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-11 | 2310-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2310 | 2310-11 | 2310-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2311 | 2311-01 | 2311-01A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-01 | 2311-01B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-02 | 2311-02A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-02 | 2311-02B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-03 | 2311-03A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-03 | 2311-03B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-04 | 2311-04A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-04 | 2311-04B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-05 | 2311-05A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-05 | 2311-05B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-06 | 2311-06 | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-06 | 2311-06A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-06 | 2311-06B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-07 | 2311-07A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-07 | 2311-07B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-09 | 2311-09A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-09 | 2311-09B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-10 | 2311-10A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-10 | 2311-10B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-11 | 2311-11A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-11 | 2311-11B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-08 | 2311-08A | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 2311 | 2311-08 | 2311-08B | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 2312 | 2312-02 | 2312-02A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-02 | 2312-02B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-03 | 2312-03A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-03 | 2312-03B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-04 | 2312-04A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-04 | 2312-04B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-05 | 2312-05A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-05 | 2312-05B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-06 | 2312-06 | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-06 | 2312-06A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-06 | 2312-06B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-07 | 2312-07A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-07 | 2312-07B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-08 | 2312-08A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-08 | 2312-08B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-09 | 2312-09A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-09 | 2312-09B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-10 | 2312-10A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-10 | 2312-10B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2312 | 2312-11 | 2312-11A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-11 | 2312-11B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-01 | 2312-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/8/2014 |
| 2312 | 2312-01 | 2312-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-02 | 2313-02A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-02 | 2313-02B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-03 | 2313-03A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-03 | 2313-03B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-04 | 2313-04A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-04 | 2313-04B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-05 | 2313-05A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-05 | 2313-05B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-06 | 2313-06A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-06 | 2313-06B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-07 | 2313-07 | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-07 | 2313-07A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-07 | 2313-07B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-08 | 2313-08A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-08 | 2313-08B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-09 | 2313-09A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-09 | 2313-09B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-10 | 2313-10A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-10 | 2313-10B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-11 | 2313-11A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-11 | 2313-11B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-01 | 2313-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/8/2014 |
| 2313 | 2313-01 | 2313-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/8/2014 |
| 2314 | 2314-01 | 2314-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-01 | 2314-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-02 | 2314-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-02 | 2314-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-03 | 2314-03 | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-03 | 2314-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-03 | 2314-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-04 | 2314-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-04 | 2314-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-05 | 2314-05A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-05 | 2314-05B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-06 | 2314-06A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-06 | 2314-06B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-07 | 2314-07A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-07 | 2314-07B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-08 | 2314-08A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-08 | 2314-08B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-09 | 2314-09A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-09 | 2314-09B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-10 | 2314-10A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-10 | 2314-10B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-11 | 2314-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2314 | 2314-11 | 2314-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2315 | 2315-01 | 2315-01 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-01 | 2315-01A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-01 | 2315-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-02 | 2315-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-02 | 2315-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-03 | 2315-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-03 | 2315-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-04 | 2315-04A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-04 | 2315-04B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-05 | 2315-05A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2315 | 2315-05 | 2315-05B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-06 | 2315-06A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-06 | 2315-06B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-07 | 2315-07A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-07 | 2315-07B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-08 | 2315-08A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-08 | 2315-08B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-09 | 2315-09A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-09 | 2315-09B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-10 | 2315-10A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-10 | 2315-10B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-11 | 2315-11 | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-11 | 2315-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2315 | 2315-11 | 2315-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2316 | 2316-02 | 2316-02A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-02 | 2316-02B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-03 | 2316-03A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-03 | 2316-03B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-04 | 2316-04 | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-04 | 2316-04A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-04 | 2316-04B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-05 | 2316-05A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-05 | 2316-05B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-06 | 2316-06A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-06 | 2316-06B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-07 | 2316-07A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-07 | 2316-07B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-08 | 2316-08A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-08 | 2316-08B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-09 | 2316-09A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-09 | 2316-09B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-10 | 2316-10A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-10 | 2316-10B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-11 | 2316-11A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-11 | 2316-11B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-01 | 2316-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/8/2014 |
| 2316 | 2316-01 | 2316-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-02 | 2317-02A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-02 | 2317-02B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-03 | 2317-03A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-03 | 2317-03B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-04 | 2317-04A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-04 | 2317-04B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-05 | 2317-05 | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-05 | 2317-05A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-05 | 2317-05B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-06 | 2317-06A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-06 | 2317-06B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-07 | 2317-07A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-07 | 2317-07B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-08 | 2317-08A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-08 | 2317-08B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-09 | 2317-09A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-09 | 2317-09B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-10 | 2317-10A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-10 | 2317-10B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-11 | 2317-11A | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-11 | 2317-11B | 0 | 0.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-01 | 2317-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/8/2014 |
| 2317 | 2317-01 | 2317-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/8/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 2318 | 2318-01 | 2318-01A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-01 | 2318-01B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-02 | 2318-02A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-02 | 2318-02B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-03 | 2318-03A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-03 | 2318-03B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-04 | 2318-04A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-04 | 2318-04B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-05 | 2318-05A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-05 | 2318-05B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-07 | 2318-07A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-07 | 2318-07B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-08 | 2318-08 | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-08 | 2318-08A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-08 | 2318-08B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-09 | 2318-09A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-09 | 2318-09B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-10 | 2318-10A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-10 | 2318-10B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-11 | 2318-11A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-11 | 2318-11B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-05 | 2318-06A | 0.83 | 1.17 | FIELD SAMPLE | 5/5/2014 |
| 2318 | 2318-05 | 2318-06B | 0.83 | 1.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-01 | 2319A-01 | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-01 | 2319A-01A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-01 | 2319A-01B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-03 | 2319A-03A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-03 | 2319A-03B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-04 | 2319A-04A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-04 | 2319A-04B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-05 | 2319A-05A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-05 | 2319A-05B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-06 | 2319A-06A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-06 | 2319A-06B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-07 | 2319A-07A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-07 | 2319A-07B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-08 | 2319A-08A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-08 | 2319A-08B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-09 | 2319A-09 | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-09 | 2319A-09A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-09 | 2319A-09B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-10 | 2319A-10A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-10 | 2319A-10B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-11 | 2319A-11A | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-11 | 2319A-11B | 0 | 0.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-01 | 2319A-02A | 0.83 | 1.17 | FIELD SAMPLE | 5/5/2014 |
| 2319A | 2319A-01 | 2319A-02B | 0.83 | 1.17 | FIELD SAMPLE | 5/5/2014 |
| 232 | 232-20 | 232-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 232 | 232-20 | 232-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 232 | 232-21 | 232-21A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 232 | 232-22 | 232-22A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 232 | 232-22 | 232-22B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 232 | 232-23 | 232-23 | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 232 | OFS-232-1 | OFS-232-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 232 | OFS-232-1 | OFS-832-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 232 | OFS-232-2 | OFS-232-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 232 | OFS-232-3 | OFS-232-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 232 | OFS-232-4 | OFS-232-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 232 | OFS-232-5 | OFS-232-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 232 | OFS-232-6 | OFS-232-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|--------------|----------------|
| 232 | OFS-232-7 | OFS-232-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 232 | OFS-232-8 | OFS-232-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 232 | OFS-232-9 | OFS-232-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 232 | OFS-232-1 | OFS-232-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 2322 | 2322-01 | 2322-01A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-01 | 2322-01B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-02 | 2322-02 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-02 | 2322-02A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-02 | 2322-02B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-03 | 2322-03A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-03 | 2322-03B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-04 | 2322-04A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-04 | 2322-04B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-05 | 2322-05A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-05 | 2322-05B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-06 | 2322-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-06 | 2322-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-07 | 2322-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-07 | 2322-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-08 | 2322-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-08 | 2322-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-09 | 2322-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-09 | 2322-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-10 | 2322-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-10 | 2322-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-11 | 2322-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2322 | 2322-11 | 2322-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2323 | 2323-01 | 2323-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-01 | 2323-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-02 | 2323-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-02 | 2323-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-03 | 2323-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-03 | 2323-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-04 | 2323-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-04 | 2323-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-05 | 2323-05A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-05 | 2323-05B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-06 | 2323-06A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-06 | 2323-06B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-07 | 2323-07A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-07 | 2323-07B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-08 | 2323-08A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-08 | 2323-08B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-09 | 2323-09A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-09 | 2323-09B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-10 | 2323-10A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-10 | 2323-10B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-11 | 2323-11 | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-11 | 2323-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2323 | 2323-11 | 2323-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2324 | 2324-01 | 2324-01A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-01 | 2324-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-02 | 2324-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-02 | 2324-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-03 | 2324-03 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-03 | 2324-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-03 | 2324-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-04 | 2324-04A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-04 | 2324-04B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-05 | 2324-05 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2324 | 2324-05 | 2324-05A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-05 | 2324-05B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-06 | 2324-06A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-06 | 2324-06B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-07 | 2324-07A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-07 | 2324-07B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-08 | 2324-08A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-08 | 2324-08B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-09 | 2324-09A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-09 | 2324-09B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-10 | 2324-10A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-10 | 2324-10B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-11 | 2324-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2324 | 2324-11 | 2324-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2325 | 2325-01 | 2325-01A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-01 | 2325-01B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-02 | 2325-02A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-02 | 2325-02B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-03 | 2325-03A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-03 | 2325-03B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-04 | 2325-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-04 | 2325-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-05 | 2325-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-05 | 2325-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-06 | 2325-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-06 | 2325-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-07 | 2325-07 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-07 | 2325-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-07 | 2325-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-08 | 2325-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-08 | 2325-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-09 | 2325-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-09 | 2325-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-10 | 2325-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-10 | 2325-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-11 | 2325-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2325 | 2325-11 | 2325-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2326 | 2326-01 | 2326-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-01 | 2326-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-02 | 2326-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-02 | 2326-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-03 | 2326-03 | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-03 | 2326-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-03 | 2326-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-04 | 2326-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-04 | 2326-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-05 | 2326-05A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-05 | 2326-05B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-06 | 2326-06A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-06 | 2326-06B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-07 | 2326-07A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-07 | 2326-07B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-08 | 2326-08A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-08 | 2326-08B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-09 | 2326-09A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-09 | 2326-09B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-10 | 2326-10A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-10 | 2326-10B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-10 | 2326-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2326 | 2326-10 | 2326-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2327 | 2327-01 | 2327-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-01 | 2327-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-02 | 2327-02 | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-02 | 2327-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-02 | 2327-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-03 | 2327-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-03 | 2327-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-04 | 2327-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-04 | 2327-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-05 | 2327-05A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-05 | 2327-05B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-06 | 2327-06A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-06 | 2327-06B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-07 | 2327-07A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-07 | 2327-07B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-08 | 2327-08A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-08 | 2327-08B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-09 | 2327-09A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-09 | 2327-09B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-10 | 2327-10A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-10 | 2327-10B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-11 | 2327-11 | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-11 | 2327-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2327 | 2327-11 | 2327-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2328 | 2328-01 | 2328-01A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-01 | 2328-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-02 | 2328-02 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-02 | 2328-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-02 | 2328-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-03 | 2328-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-03 | 2328-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-04 | 2328-04A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-04 | 2328-04B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-05 | 2328-05A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-05 | 2328-05B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-06 | 2328-06A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-06 | 2328-06B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-07 | 2328-07A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-07 | 2328-07B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-08 | 2328-08A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-08 | 2328-08B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-09 | 2328-09A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-09 | 2328-09B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-10 | 2328-10A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-10 | 2328-10B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-11 | 2328-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2328 | 2328-11 | 2328-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-01 | 2329-01A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-01 | 2329-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-02 | 2329-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-02 | 2329-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-03 | 2329-03 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-03 | 2329-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-03 | 2329-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-04 | 2329-04A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-04 | 2329-04B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-05 | 2329-05A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-05 | 2329-05B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-06 | 2329-06A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-06 | 2329-06B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 2329 | 2329-07 | 2329-07A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-07 | 2329-07B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-08 | 2329-08A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-08 | 2329-08B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-09 | 2329-09A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-09 | 2329-09B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-10 | 2329-10 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-10 | 2329-10A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-10 | 2329-10B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-11 | 2329-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2329 | 2329-11 | 2329-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 233 | 233-01 | 233-01 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-01 | 233-01A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-01 | 233-01B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-02 | 233-02A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-02 | 233-02B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-03 | 233-03A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-03 | 233-03B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-04 | 233-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-04 | 233-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-05 | 233-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-05 | 233-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-06 | 233-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-06 | 233-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-07 | 233-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-07 | 233-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-08 | 233-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-08 | 233-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-09 | 233-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-09 | 233-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-10 | 233-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-10 | 233-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-20 | 233-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 233 | 233-20 | 233-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 233 | OFS-233-1 | OFS-233-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 233 | OFS-233-1 | OFS-833-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 233 | OFS-233-2 | OFS-233-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 233 | OFS-233-3 | OFS-233-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 233 | OFS-233-4 | OFS-233-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 233 | OFS-233-5 | OFS-233-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 233 | OFS-233-6 | OFS-233-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 233 | OFS-233-7 | OFS-233-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 233 | OFS-233-8 | OFS-233-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 233 | OFS-233-9 | OFS-233-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 233 | OFS-233-1 | OFS-233-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 233 | 233-11 | 233-11 | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-11 | 233-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 233 | 233-11 | 233-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2330 | 2330-01 | 2330-01A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-01 | 2330-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-02 | 2330-02 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-02 | 2330-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-02 | 2330-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-03 | 2330-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-03 | 2330-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-04 | 2330-04A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-04 | 2330-04B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-05 | 2330-05A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-05 | 2330-05B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-06 | 2330-06A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 2330 | 2330-06 | 2330-06B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-07 | 2330-07A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-07 | 2330-07B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-08 | 2330-08A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-08 | 2330-08B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-09 | 2330-09A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-09 | 2330-09B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-10 | 2330-10A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-10 | 2330-10B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-11 | 2330-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2330 | 2330-11 | 2330-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 234 and 45J | 45J-001 | 45J-001-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-001 | 45J-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-002 | 45J-002-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-002 | 45J-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-003 | 45J-003-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-003 | 45J-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-004 | 45J-004-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-004 | 45J-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-005 | 45J-005-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-005 | 45J-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-006 | 45J-006-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-006 | 45J-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-007 | 45J-007-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-007 | 45J-007-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-007 | 45J-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-008 | 45J-008-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-008 | 45J-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-009 | 45J-009-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-009 | 45J-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-010 | 45J-010-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-010 | 45J-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-011 | 45J-011-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-011 | 45J-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-012 | 45J-012-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-012 | 45J-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-013 | 45J-013-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-013 | 45J-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-014 | 45J-014-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-014 | 45J-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-015 | 45J-015-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-015 | 45J-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-016 | 45J-016-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-016 | 45J-016-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-017 | 45J-017-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-018 | 45J-018-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-018 | 45J-018-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-019 | 45J-019-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-019 | 45J-019-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-019 | 45J-019-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-020 | 45J-020-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-020 | 45J-020-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-021 | 45J-021-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | 45J-021 | 45J-021-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 234 and 45J | OFS-234-1 | OFS-234-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 234 and 45J | OFS-234-1 | OFS-834-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 234 and 45J | OFS-234-2 | OFS-234-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 234 and 45J | OFS-234-3 | OFS-234-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 234 and 45J | OFS-234-4 | OFS-234-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 234 and 45J | OFS-234-5 | OFS-234-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 234 and 45J | OFS-234-6 | OFS-234-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 234 and 45J | OFS-234-7 | OFS-234-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 234 and 45J | OFS-234-8 | OFS-234-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 234 and 45J | OFS-234-9 | OFS-234-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 234 and 45J | OFS-234-1 | OFS-234-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-1 | OFS-235-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-1 | OFS-835-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 235 | OFS-235-2 | OFS-235-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-3 | OFS-235-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-4 | OFS-235-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-5 | OFS-235-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-6 | OFS-235-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-7 | OFS-235-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-8 | OFS-235-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-9 | OFS-235-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 235 | OFS-235-1 | OFS-235-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 236 and 85J | 85J-001 | 85J-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-002 | 85J-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-003 | 85J-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-004 | 85J-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-005 | 85J-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-006 | 85J-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-007 | 85J-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-008 | 85J-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-009 | 85J-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-010 | 85J-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-011 | 85J-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-012 | 85J-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-013 | 85J-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-014 | 85J-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-015 | 85J-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-016 | 85J-016-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-017 | 85J-017-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-018 | 85J-018-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-019 | 85J-019-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-020 | 85J-020-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-021 | 85J-021-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-022 | 85J-022-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-023 | 85J-023-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-024 | 85J-024-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-025 | 85J-025-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-026 | 85J-026-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-027 | 85J-027-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-028 | 85J-028-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-029 | 85J-029-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-030 | 85J-030-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-031 | 85J-031-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-032 | 85J-032-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-033 | 85J-033-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-034 | 85J-034-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-035 | 85J-035-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-036 | 85J-036-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | 85J-037 | 85J-037-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 236 and 85J | OFS-236-1 | OFS-236-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 236 and 85J | OFS-236-1 | OFS-836-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 236 and 85J | OFS-236-2 | OFS-236-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 236 and 85J | OFS-236-3 | OFS-236-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 236 and 85J | OFS-236-4 | OFS-236-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 236 and 85J | OFS-236-5 | OFS-236-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 236 and 85J | OFS-236-6 | OFS-236-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 236 and 85J | OFS-236-7 | OFS-236-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 236 and 85J | OFS-236-8 | OFS-236-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 236 and 85J | OFS-236-9 | OFS-236-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 236 and 85J | OFS-236-1 | OFS-236-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 237 | OFS-237-1 | OFS-237-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 237 | OFS-237-1 | OFS-837-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 237 | OFS-237-2 | OFS-237-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 237 | OFS-237-3 | OFS-237-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 237 | OFS-237-4 | OFS-237-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 237 | OFS-237-5 | OFS-237-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 237 | OFS-237-6 | OFS-237-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 237 | OFS-237-7 | OFS-237-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 237 | OFS-237-8 | OFS-237-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 237 | OFS-237-9 | OFS-237-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 237 | OFS-237-1 | OFS-237-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 238 | OFS-238-1 | OFS-238-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 238 | OFS-238-1 | OFS-838-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 238 | OFS-238-2 | OFS-238-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 238 | OFS-238-3 | OFS-238-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 238 | OFS-238-4 | OFS-238-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 238 | OFS-238-5 | OFS-238-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 238 | OFS-238-6 | OFS-238-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 238 | OFS-238-7 | OFS-238-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 238 | OFS-238-8 | OFS-238-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 238 | OFS-238-9 | OFS-238-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 238 | OFS-238-1 | OFS-238-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-1 | OFS-239-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-1 | OFS-839-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 239 | OFS-239-2 | OFS-239-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-3 | OFS-239-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-4 | OFS-239-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-5 | OFS-239-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-6 | OFS-239-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-7 | OFS-239-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-8 | OFS-239-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-9 | OFS-239-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 239 | OFS-239-1 | OFS-239-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 2393 | 2393-01 | 2393-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-01 | 2393-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-02 | 2393-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-02 | 2393-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-03 | 2393-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-03 | 2393-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-04 | 2393-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-04 | 2393-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-05 | 2393-05A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-05 | 2393-05B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-06 | 2393-06A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-06 | 2393-06B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-07 | 2393-07A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-07 | 2393-07B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-08 | 2393-08A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-08 | 2393-08B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-09 | 2393-09A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-09 | 2393-09B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-10 | 2393-10 | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-10 | 2393-10A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-10 | 2393-10B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-11 | 2393-11A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-11 | 2393-11B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2393 | 2393-12 | 2393-12A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-12 | 2393-12B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-13 | 2393-13A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-13 | 2393-13B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-14 | 2393-14A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-14 | 2393-14B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-15 | 2393-15A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-15 | 2393-15B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-20 | 2393-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-20 | 2393-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-21 | 2393-21 | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-21 | 2393-21A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-21 | 2393-21B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-22 | 2393-22A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-22 | 2393-22B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-23 | 2393-23A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-23 | 2393-23B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-24 | 2393-24A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-24 | 2393-24B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-25 | 2393-25A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-25 | 2393-25B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-26 | 2393-26A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-26 | 2393-26B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-27 | 2393-27A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-27 | 2393-27B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-28 | 2393-28A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-28 | 2393-28B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2393 | 2393-16 | 2393-16A | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-16 | 2393-16B | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-17 | 2393-17A | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2393 | 2393-17 | 2393-17B | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2394 | 2394-01 | 2394-01 | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-01 | 2394-01A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-01 | 2394-01B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-02 | 2394-02A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-02 | 2394-02B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-03 | 2394-03A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-03 | 2394-03B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-04 | 2394-04A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-04 | 2394-04B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-05 | 2394-05A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-05 | 2394-05B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-06 | 2394-06A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-06 | 2394-06B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-07 | 2394-07A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-07 | 2394-07B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-08 | 2394-08A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-08 | 2394-08B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-09 | 2394-09A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-09 | 2394-09B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-10 | 2394-10A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-10 | 2394-10B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-11 | 2394-11 | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-11 | 2394-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2394 | 2394-11 | 2394-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2396 | 2396-01 | 2396-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-01 | 2396-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-02 | 2396-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-02 | 2396-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-03 | 2396-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 2396 | 2396-03 | 2396-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-04 | 2396-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-04 | 2396-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-05 | 2396-05A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-05 | 2396-05B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-06 | 2396-06A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-06 | 2396-06B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-07 | 2396-07A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-07 | 2396-07B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-08 | 2396-08A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-08 | 2396-08B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-09 | 2396-09A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-09 | 2396-09B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-10 | 2396-10A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-10 | 2396-10B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-11 | 2396-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 2396 | 2396-11 | 2396-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/4/2014 |
| 240 | OFS-240-1 | OFS-240-1__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 240 | OFS-240-1 | OFS-840-1__5/11/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/11/2010 |
| 240 | OFS-240-2 | OFS-240-2__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 240 | OFS-240-3 | OFS-240-3__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 240 | OFS-240-4 | OFS-240-4__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 240 | OFS-240-5 | OFS-240-5__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 240 | OFS-240-6 | OFS-240-6__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 240 | OFS-240-7 | OFS-240-7__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 240 | OFS-240-8 | OFS-240-8__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 240 | OFS-240-9 | OFS-240-9__5/11/2010 | 0 | 0.2 | FIELD SAMPLE | 5/11/2010 |
| 240 | OFS-240-1 | OFS-240-1-A__5/11/2010 | 0.8 | 1 | FIELD SAMPLE | 5/11/2010 |
| 2401 | 2401-01 | 2401-01 | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-01 | 2401-01A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-01 | 2401-01B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-02 | 2401-02A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-02 | 2401-02B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-03 | 2401-03A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-03 | 2401-03B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-04 | 2401-04A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-04 | 2401-04B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-05 | 2401-05A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-05 | 2401-05B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-06 | 2401-06A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-06 | 2401-06B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-07 | 2401-07A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-07 | 2401-07B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-08 | 2401-08A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-08 | 2401-08B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-09 | 2401-09A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-09 | 2401-09B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-10 | 2401-10A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-10 | 2401-10B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-11 | 2401-11 | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-11 | 2401-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2401 | 2401-11 | 2401-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2402 | 2402-01 | 2402-01A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-01 | 2402-01B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-02 | 2402-02A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-02 | 2402-02B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-03 | 2402-03A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-03 | 2402-03B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-04 | 2402-04A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-04 | 2402-04B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2402 | 2402-05 | 2402-05A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-05 | 2402-05B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-06 | 2402-06A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-06 | 2402-06B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-07 | 2402-07A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-07 | 2402-07B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-08 | 2402-08A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-08 | 2402-08B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-09 | 2402-09 | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-09 | 2402-09A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-09 | 2402-09B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-10 | 2402-10A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-10 | 2402-10B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2489-20 | 2489-20A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2402 | 2489-20 | 2489-20B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2402 | 2402-11 | 2402-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2402 | 2402-11 | 2402-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2403 | 2403-01 | 2403-01A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-01 | 2403-01B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-02 | 2403-02 | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-02 | 2403-02A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-02 | 2403-02B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-03 | 2403-03A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-03 | 2403-03B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-04 | 2403-04A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-04 | 2403-04B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-05 | 2403-05A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-05 | 2403-05B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-06 | 2403-06A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-06 | 2403-06B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-07 | 2403-07A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-07 | 2403-07B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-08 | 2403-08A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-08 | 2403-08B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-09 | 2403-09A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-09 | 2403-09B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-10 | 2403-10A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-10 | 2403-10B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-11 | 2403-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2403 | 2403-11 | 2403-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-01 | 2404-01A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-01 | 2404-01B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-02 | 2404-02A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-02 | 2404-02B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-03 | 2404-03A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-03 | 2404-03B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-04 | 2404-04A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-04 | 2404-04B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-05 | 2404-05A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-05 | 2404-05B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-06 | 2404-06A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-06 | 2404-06B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-07 | 2404-07A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-07 | 2404-07B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-08 | 2404-08 | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-08 | 2404-08A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-08 | 2404-08B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-09 | 2404-09A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-09 | 2404-09B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-10 | 2404-10A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2404 | 2404-10 | 2404-10B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-11 | 2404-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2404 | 2404-11 | 2404-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2406 | 2406-01 | 2406-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-01 | 2406-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-02 | 2406-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-02 | 2406-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-03 | 2406-03 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-03 | 2406-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-03 | 2406-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-04 | 2406-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-04 | 2406-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-05 | 2406-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-05 | 2406-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-06 | 2406-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-06 | 2406-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-07 | 2406-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-07 | 2406-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-08 | 2406-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-08 | 2406-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-09 | 2406-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-09 | 2406-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-10 | 2406-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-10 | 2406-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2407-04 | 2407-04A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2406 | 2407-04 | 2407-04B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2406 | 2407-05 | 2407-05A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2406 | 2407-05 | 2407-05B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2406 | 2407-24 | 2407-24 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2406 | 2407-24 | 2407-24A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2406 | 2407-24 | 2407-24B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2406 | 2406-11 | 2406-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2406 | 2406-11 | 2406-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2407 | 2407-01 | 2407-01A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-01 | 2407-01B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-02 | 2407-02A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-02 | 2407-02B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-03 | 2407-03B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-04 | 2407-04A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-04 | 2407-04B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-05 | 2407-05A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-05 | 2407-05B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-06 | 2407-06A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-06 | 2407-06B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-07 | 2407-07A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-07 | 2407-07B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-08 | 2407-08A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-08 | 2407-08B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-09 | 2407-09A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-09 | 2407-09B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-10 | 2407-10B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-20 | 2407-20A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-20 | 2407-20B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-21 | 2407-21A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-21 | 2407-21B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-22 | 2407-22A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-22 | 2407-22B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-23 | 2407-23A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-23 | 2407-23B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-24 | 2407-24 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2407 | 2407-25 | 2407-25A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-25 | 2407-25B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-26 | 2407-26A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-26 | 2407-26B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2407 | 2407-11 | 2407-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2407 | 2407-11 | 2407-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2408 | 2408-01 | 2408-01 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-01 | 2408-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-01 | 2408-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-02 | 2408-02 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-02 | 2408-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-02 | 2408-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-03 | 2408-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-03 | 2408-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-04 | 2408-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-04 | 2408-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-05 | 2408-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-05 | 2408-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-06 | 2408-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-06 | 2408-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-07 | 2408-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-07 | 2408-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-08 | 2408-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-08 | 2408-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-09 | 2408-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-09 | 2408-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-10 | 2408-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-10 | 2408-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-20 | 2408-20A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-20 | 2408-20B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-21 | 2408-21A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-21 | 2408-21B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-22 | 2408-22A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-22 | 2408-22B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-23 | 2408-23A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-23 | 2408-23B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-24 | 2408-24A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-24 | 2408-24B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-25 | 2408-25A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-25 | 2408-25B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-26 | 2408-26A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-26 | 2408-26B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-29A | 2408-29AA | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-29A | 2408-29AB | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-30 | 2408-30AA | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-30 | 2408-30AB | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-31 | 2408-31A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-31 | 2408-31B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-32 | 2408-32A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-32 | 2408-32B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-33 | 2408-33A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-33 | 2408-33B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-29 | 2408-29A | 0.5 | 1 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-29 | 2408-29B | 0.5 | 1 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-11 | 2408-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-11 | 2408-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2408 | 2408-26 | 2408-27 | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-26 | 2408-27A | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2408 | 2408-26 | 2408-27B | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-01 | 2409-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 2409 | 2409-01 | 2409-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-02 | 2409-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-02 | 2409-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-03 | 2409-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-03 | 2409-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-04 | 2409-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-04 | 2409-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-05 | 2409-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-05 | 2409-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-06 | 2409-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-06 | 2409-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-07 | 2409-07 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-07 | 2409-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-07 | 2409-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-08 | 2409-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-08 | 2409-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-09 | 2409-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-09 | 2409-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-10 | 2409-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-10 | 2409-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-20 | 2409-20A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-20 | 2409-20B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-21 | 2409-21A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-21 | 2409-21B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-22 | 2409-22A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-22 | 2409-22B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-23 | 2409-23A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-23 | 2409-23B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-23 | 2409-24 | 0.67 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-23 | 2409-24A | 0.67 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-23 | 2409-24B | 0.67 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2409 | 2409-11 | 2409-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2409 | 2409-11 | 2409-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 241 | OFS-241-1 | OFS-241-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 241 | OFS-241-1 | OFS-841-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 241 | OFS-241-2 | OFS-241-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 241 | OFS-241-3 | OFS-241-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 241 | OFS-241-4 | OFS-241-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 241 | OFS-241-5 | OFS-241-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 241 | OFS-241-6 | OFS-241-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 241 | OFS-241-7 | OFS-241-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 241 | OFS-241-8 | OFS-241-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 241 | OFS-241-9 | OFS-241-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 241 | OFS-241-1 | OFS-241-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 2410 | 2410-01 | 2410-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-01 | 2410-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-02 | 2410-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-02 | 2410-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-03 | 2410-03 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-03 | 2410-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-03 | 2410-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-04 | 2410-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-04 | 2410-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-05 | 2410-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-05 | 2410-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-06 | 2410-06 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-06 | 2410-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-06 | 2410-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-07 | 2410-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-07 | 2410-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|------------------|-----------------------|---------------------|-----------------|----------------|
| 2410 | 2410-08 | 2410-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-08 | 2410-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-09 | 2410-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-09 | 2410-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-10 | 2410-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-10 | 2410-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-20 | 2410-20A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2410 | 2410-20 | 2410-20B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2410 | 2410-22 | 2410-22A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2410 | 2410-22 | 2410-22B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2410 | 2410-11 | 2410-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-11 | 2410-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2410 | 2410-20 | 2410-21A | 1.5 | 2 | FIELD SAMPLE | 5/6/2014 |
| 2410 | 2410-20 | 2410-21B | 1.5 | 2 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-01 | 2415-01A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-01 | 2415-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-02 | 2415-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-02 | 2415-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-03 | 2415-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-03 | 2415-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-04 | 2415-04A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-04 | 2415-04B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-05 | 2415-05 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-05 | 2415-05A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-05 | 2415-05B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-05 | 2415-105 | 0 | 0.17 | FIELD DUPLICATE | 2/5/2014 |
| 2415 | 2415-06 | 2415-06A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-06 | 2415-06B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-07 | 2415-07A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-07 | 2415-07B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-08 | 2415-08A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-08 | 2415-08B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-09 | 2415-09A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-09 | 2415-09B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-20 | 2415-20A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-20 | 2415-20B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-21 | 2415-21A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-21 | 2415-21B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-22 | 2415-22A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-22 | 2415-22B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-23 | 2415-23 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-23 | 2415-23A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-23 | 2415-23B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2415 | S-03 | S-03-0_8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 2415 | 2415-10 | 2415-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-10 | 2415-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2415 | 2415-23 | 2415-24A | 1.5 | 2 | FIELD SAMPLE | 5/6/2014 |
| 2415 | 2415-23 | 2415-24B | 1.5 | 2 | FIELD SAMPLE | 5/6/2014 |
| 2416 | 2416-01 | 2416-01A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-01 | 2416-01B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-02 | 2416-02A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-02 | 2416-02B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-03 | 2416-03A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-03 | 2416-03B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-04 | 2416-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-04 | 2416-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-05 | 2416-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-05 | 2416-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-06 | 2416-06 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-06 | 2416-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 2416 | 2416-06 | 2416-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-07 | 2416-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-07 | 2416-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-08 | 2416-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-08 | 2416-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-09 | 2416-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-09 | 2416-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-10 | 2416-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-10 | 2416-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-11 | 2416-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2416 | 2416-11 | 2416-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-01 | 2417-01A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-01 | 2417-01B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-02 | 2417-02A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-02 | 2417-02B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-03 | 2417-03A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-03 | 2417-03B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-04 | 2417-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-04 | 2417-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-05 | 2417-05 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-05 | 2417-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-05 | 2417-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-05 | 2417-105 | 0 | 0.17 | FIELD DUPLICATE | 3/12/2014 |
| 2417 | 2417-06 | 2417-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-06 | 2417-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-07 | 2417-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-07 | 2417-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-08 | 2417-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-08 | 2417-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-09 | 2417-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-09 | 2417-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-10 | 2417-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-10 | 2417-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-01 | 2418-01A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-01 | 2418-01B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-02 | 2418-02A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-02 | 2418-02B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-03 | 2418-03A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-03 | 2418-03B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-04 | 2418-04 | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-04 | 2418-04A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-04 | 2418-04B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-05 | 2418-05A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-05 | 2418-05B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-06 | 2418-06A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-06 | 2418-06B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-07 | 2418-07A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-07 | 2418-07B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-08 | 2418-08A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-08 | 2418-08B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-09 | 2418-09A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-09 | 2418-09B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-10 | 2418-10A | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-10 | 2418-10B | 0 | 0.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-11 | 2417-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2417-11 | 2417-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-11 | 2418-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 2417 | 2418-11 | 2418-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/12/2014 |
| 242 | OFS-242-1 | OFS-242-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 242 | OFS-242-1 | OFS-842-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|--------------|----------------|
| 242 | OFS-242-2 | OFS-242-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 242 | OFS-242-3 | OFS-242-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 242 | OFS-242-4 | OFS-242-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 242 | OFS-242-5 | OFS-242-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 242 | OFS-242-6 | OFS-242-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 242 | OFS-242-7 | OFS-242-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 242 | OFS-242-8 | OFS-242-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 242 | OFS-242-9 | OFS-242-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 242 | OFS-242-1 | OFS-242-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 2420 | 2420-01 | 2420-01A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-01 | 2420-01B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-02 | 2420-02A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-02 | 2420-02B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-03 | 2420-03A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-03 | 2420-03B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-04 | 2420-04A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-04 | 2420-04B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-05 | 2420-05A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-05 | 2420-05B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-06 | 2420-06A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-06 | 2420-06B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-07 | 2420-07A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-07 | 2420-07B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-08 | 2420-08A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-08 | 2420-08B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-09 | 2420-09A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-09 | 2420-09B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-10 | 2420-10 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-10 | 2420-10A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-10 | 2420-10B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-11 | 2420-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2420 | 2420-11 | 2420-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-01 | 2422-01A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-01 | 2422-01B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-02 | 2422-02A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-02 | 2422-02B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-03 | 2422-03A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-03 | 2422-03B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-04 | 2422-04A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-04 | 2422-04B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-05 | 2422-05 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-05 | 2422-05A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-05 | 2422-05B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-06 | 2422-06A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-06 | 2422-06B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-07 | 2422-07A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-07 | 2422-07B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-08 | 2422-08A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-08 | 2422-08B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-09 | 2422-09A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-09 | 2422-09B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | S-04 | S-04-0__8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 2422 | 2422-10 | 2422-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2422 | 2422-10 | 2422-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2425 | 2425-01 | 2425-01A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-01 | 2425-01B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-02 | 2425-02A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-02 | 2425-02B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-03 | 2425-03A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-03 | 2425-03B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2425 | 2425-04 | 2425-04A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-04 | 2425-04B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-05 | 2425-05A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-05 | 2425-05B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-06 | 2425-06A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-06 | 2425-06B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-07 | 2425-07A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-07 | 2425-07B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-08 | 2425-08A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-08 | 2425-08B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-09 | 2425-09A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-09 | 2425-09B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-10 | 2425-10 | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-10 | 2425-10A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-10 | 2425-10B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-11 | 2425-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2425 | 2425-11 | 2425-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2426 | 2426-01 | 2426-01A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-01 | 2426-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-02 | 2426-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-02 | 2426-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-03 | 2426-03 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-03 | 2426-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-03 | 2426-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-04 | 2426-04A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-04 | 2426-04B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-05 | 2426-05A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-05 | 2426-05B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-06 | 2426-06A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-06 | 2426-06B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-07 | 2426-07A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-07 | 2426-07B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-08 | 2426-08A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-08 | 2426-08B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-09 | 2426-09 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-09 | 2426-09A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-09 | 2426-09B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-10 | 2426-10A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-10 | 2426-10B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-11 | 2426-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2426 | 2426-11 | 2426-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2427 | 2427-01 | 2427-01A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-01 | 2427-01B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-02 | 2427-02A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-02 | 2427-02B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-03 | 2427-03A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-03 | 2427-03B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-04 | 2427-04A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-04 | 2427-04B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-05 | 2427-05A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-05 | 2427-05B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-06 | 2427-06A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-06 | 2427-06B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-07 | 2427-07A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-07 | 2427-07B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-08 | 2427-08A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-08 | 2427-08B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-09 | 2427-09 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-09 | 2427-09A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-09 | 2427-09B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 2427 | 2427-10 | 2427-10A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-10 | 2427-10B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-10 | 2427-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2427 | 2427-10 | 2427-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2428 | 2428-01 | 2428-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-01 | 2428-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-02 | 2428-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-02 | 2428-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-03 | 2428-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-03 | 2428-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-04 | 2428-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-04 | 2428-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-05 | 2428-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-05 | 2428-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-06 | 2428-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-06 | 2428-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-07 | 2428-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-07 | 2428-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-08 | 2428-08 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-08 | 2428-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-08 | 2428-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-09 | 2428-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-09 | 2428-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-10 | 2428-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-10 | 2428-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-11 | 2428-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2428 | 2428-11 | 2428-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2429 | 2429-01 | 2429-01A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-01 | 2429-01B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-02 | 2429-02A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-02 | 2429-02B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-03 | 2429-03A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-03 | 2429-03B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-04 | 2429-04A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-04 | 2429-04B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-05 | 2429-05A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-05 | 2429-05B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-06 | 2429-06A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-06 | 2429-06B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-07 | 2429-07A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-07 | 2429-07B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-08 | 2429-08A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-08 | 2429-08B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-09 | 2429-09A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-09 | 2429-09B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-10 | 2429-10 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-10 | 2429-10A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-10 | 2429-10B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-11 | 2429-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2429 | 2429-11 | 2429-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 243 | OFS-243-1 | OFS-243-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 243 | OFS-243-1 | OFS-843-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 243 | OFS-243-2 | OFS-243-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 243 | OFS-243-3 | OFS-243-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 243 | OFS-243-4 | OFS-243-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 243 | OFS-243-5 | OFS-243-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 243 | OFS-243-6 | OFS-243-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 243 | OFS-243-7 | OFS-243-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 243 | OFS-243-8 | OFS-243-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 243 | OFS-243-9 | OFS-243-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|--------------|----------------|
| 243 | OFS-243-1 | OFS-243-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 2430 | 2430-01 | 2430-01A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-01 | 2430-01B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-02 | 2430-02 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-02 | 2430-02A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-02 | 2430-02B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-03 | 2430-03A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-03 | 2430-03B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-04 | 2430-04A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-04 | 2430-04B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-05 | 2430-05A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-05 | 2430-05B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-06 | 2430-06A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-06 | 2430-06B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-07 | 2430-07A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-07 | 2430-07B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-08 | 2430-08A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-08 | 2430-08B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-09 | 2430-09A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-09 | 2430-09B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-10 | 2430-10A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-10 | 2430-10B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-12 | 2430-12 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-12 | 2430-12A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-12 | 2430-12B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | S-07 | S-07-0__8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 2430 | 2430-11 | 2430-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2430 | 2430-11 | 2430-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2433 | 2432-01 | 2432-01A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-01 | 2432-01B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-02 | 2432-02A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-02 | 2432-02B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-03 | 2432-03A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-03 | 2432-03B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-04 | 2432-04A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-04 | 2432-04B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-05 | 2432-05A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-05 | 2432-05B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-06 | 2432-06A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-06 | 2432-06B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-07 | 2432-07A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-07 | 2432-07B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-08 | 2432-08A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-08 | 2432-08B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-09 | 2432-09 | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-09 | 2432-09A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-09 | 2432-09B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-10 | 2432-10A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-10 | 2432-10B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2433-01 | 2433-01 | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-01 | 2433-01A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-01 | 2433-01B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-03 | 2433-03A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-03 | 2433-03B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-04 | 2433-04A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-04 | 2433-04B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-05 | 2433-05A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-05 | 2433-05B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-06 | 2433-06A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-06 | 2433-06B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2433 | 2433-07 | 2433-07A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-07 | 2433-07B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-08 | 2433-08A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-08 | 2433-08B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-09 | 2433-09A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-09 | 2433-09B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-10 | 2433-10A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-10 | 2433-10B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-11 | 2433-11A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-11 | 2433-11B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2432-11 | 2432-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2432-11 | 2432-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2433 | 2433-02 | 2433-02A | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 2433 | 2433-02 | 2433-02B | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 2434 | 2434-01 | 2434-01A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-01 | 2434-01B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-02 | 2434-02A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-02 | 2434-02B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-03 | 2434-03A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-03 | 2434-03B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-04 | 2434-04 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-04 | 2434-04A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-04 | 2434-04B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-05 | 2434-05A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-05 | 2434-05B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-06 | 2434-06A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-06 | 2434-06B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-07 | 2434-07A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-07 | 2434-07B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-08 | 2434-08A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-08 | 2434-08B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-09 | 2434-09A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-09 | 2434-09B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-10 | 2434-10A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-10 | 2434-10B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-11 | 2434-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2434 | 2434-11 | 2434-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2435 | 2435-01 | 2435-01A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-01 | 2435-01B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-02 | 2435-02 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-02 | 2435-02A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-02 | 2435-02B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-03 | 2435-03A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-03 | 2435-03B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-04 | 2435-04A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-04 | 2435-04B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-05 | 2435-05A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-05 | 2435-05B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-06 | 2435-06A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-06 | 2435-06B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-07 | 2435-07A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-07 | 2435-07B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-08 | 2435-08A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-08 | 2435-08B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-09 | 2435-09A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-09 | 2435-09B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-10 | 2435-10A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-10 | 2435-10B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-11 | 2435-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2435 | 2435-11 | 2435-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|------------|-------------|-----------------------|---------------------|-----------------|----------------|
| 2437A | 2437A-01 | 2437A-01A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-01 | 2437A-01B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-02 | 2437A-02A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-02 | 2437A-02B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-03 | 2437A-03A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-03 | 2437A-03B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-04 | 2437A-04A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-04 | 2437A-04B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-05 | 2437A-05A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-05 | 2437A-05B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-06 | 2437A-06A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-06 | 2437A-06B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-07 | 2437A-07A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-07 | 2437A-07B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-08 | 2437A-08 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-08 | 2437A-08A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-08 | 2437A-08B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-09 | 2437A-09A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-09 | 2437A-09B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-10 | 2437A-10A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-10 | 2437A-10B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-05 | 2437A-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2437A | 2437A-05 | 2437A-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-01 | 2439ABC-01A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-01 | 2439ABC-01B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-02 | 2439ABC-02A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-02 | 2439ABC-02B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-03 | 2439ABC-03A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-03 | 2439ABC-03B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-04 | 2439ABC-04A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-04 | 2439ABC-04B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-05 | 2439ABC-05 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-05 | 2439ABC-05A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-05 | 2439ABC-05B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-05 | 2439ABC-105 | 0 | 0.17 | FIELD DUPLICATE | 3/7/2014 |
| 2439A | 2439ABC-06 | 2439ABC-06A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-06 | 2439ABC-06B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-07 | 2439ABC-07A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-07 | 2439ABC-07B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-08 | 2439ABC-08A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-08 | 2439ABC-08B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-09 | 2439ABC-09A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-09 | 2439ABC-09B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-10 | 2439ABC-10A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-10 | 2439ABC-10B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-11 | 2439ABC-11 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-11 | 2439ABC-11A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-11 | 2439ABC-11B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-12 | 2439ABC-12A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-12 | 2439ABC-12B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-13 | 2439ABC-13A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-13 | 2439ABC-13B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-14 | 2439ABC-14A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-14 | 2439ABC-14B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-15 | 2439ABC-15A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-15 | 2439ABC-15B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-16 | 2439ABC-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-16 | 2439ABC-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-17 | 2439ABC-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2439A | 2439ABC-17 | 2439ABC-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 2444 | XRF-837 | XRF-837a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| 2444 | XRF-837 | XRF-837b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| 2444 | 2444-01 | 2444-01A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-01 | 2444-01B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-02 | 2444-02A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-02 | 2444-02B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-03 | 2444-03 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-03 | 2444-03A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-03 | 2444-03B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-03 | 2444-103 | 0 | 0.17 | FIELD DUPLICATE | 3/7/2014 |
| 2444 | 2444-04 | 2444-04A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-04 | 2444-04B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-05 | 2444-05A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-05 | 2444-05B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-06 | 2444-06A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-06 | 2444-06B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-07 | 2444-07A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-07 | 2444-07B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-08 | 2444-08A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-08 | 2444-08B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-09 | 2444-09A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-09 | 2444-09B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-10 | 2444-10A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-10 | 2444-10B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | OFS-215-5 | OFS-215-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| 2444 | 2444-11 | 2444-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | 2444-11 | 2444-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| 2444 | XRF-837 | XRF-838a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| 2444 | XRF-837 | XRF-838b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| 2449 | 2449-01 | 2449-01A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-01 | 2449-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-02 | 2449-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-02 | 2449-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-03 | 2449-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-03 | 2449-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-04 | 2449-04 | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-04 | 2449-04A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-04 | 2449-04B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-05 | 2449-05A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-05 | 2449-05B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-06 | 2449-06A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-06 | 2449-06B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-07 | 2449-07A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-07 | 2449-07B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-08 | 2449-08A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-08 | 2449-08B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-09 | 2449-09A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-09 | 2449-09B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-10 | 2449-10A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-10 | 2449-10B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-11 | 2449-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 2449 | 2449-11 | 2449-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/5/2014 |
| 245 | OFS-245-1 | OFS-245-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 245 | OFS-245-1 | OFS-845-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 245 | OFS-245-2 | OFS-245-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 245 | OFS-245-3 | OFS-245-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 245 | OFS-245-4 | OFS-245-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 245 | OFS-245-5 | OFS-245-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 245 | OFS-245-6 | OFS-245-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 245 | OFS-245-7 | OFS-245-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|--------------|----------------|
| 245 | OFS-245-8 | OFS-245-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 245 | OFS-245-9 | OFS-245-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 245 | OFS-245-1 | OFS-245-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 2456 | 2456-01 | 2456-01A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-01 | 2456-01B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-02 | 2456-02A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-02 | 2456-02B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-03 | 2456-03A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-03 | 2456-03B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-04 | 2456-04A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-04 | 2456-04B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-05 | 2456-05A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-05 | 2456-05B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-06 | 2456-06A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-06 | 2456-06B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-07 | 2456-07A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-07 | 2456-07B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-08 | 2456-08A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-08 | 2456-08B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-09 | 2456-09A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-09 | 2456-09B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-10 | 2456-10 | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-10 | 2456-10A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-10 | 2456-10B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-11 | 2456-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2456 | 2456-11 | 2456-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-01 | 2457-01A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-01 | 2457-01B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-02 | 2457-02A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-02 | 2457-02B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-03 | 2457-03A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-03 | 2457-03B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-04 | 2457-04A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-04 | 2457-04B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-05 | 2457-05A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-05 | 2457-05B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-06 | 2457-06A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-06 | 2457-06B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-07 | 2457-07A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-07 | 2457-07B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-08 | 2457-08A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-08 | 2457-08B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-09 | 2457-09A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-09 | 2457-09B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-10 | 2457-10A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-10 | 2457-10B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | IKJ-551 | IKJ-551-0-2__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| 2457 | 2457-11 | 2457-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2457 | 2457-11 | 2457-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-01 | 2458-01A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-01 | 2458-01B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-02 | 2458-02A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-02 | 2458-02B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-03 | 2458-03 | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-03 | 2458-03A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-03 | 2458-03B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-04 | 2458-04A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-04 | 2458-04B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-05 | 2458-05A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-05 | 2458-05B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|------------|-----------------------|---------------------|-----------------|----------------|
| 2458 | 2458-06 | 2458-06A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-06 | 2458-06B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-07 | 2458-07A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-07 | 2458-07B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-08 | 2458-08A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-08 | 2458-08B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-09 | 2458-09A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-09 | 2458-09B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-10 | 2458-10A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-10 | 2458-10B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-11 | 2458-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2458 | 2458-11 | 2458-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2459A | 2459A-01 | 2459A-01A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-01 | 2459A-01B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-02 | 2459A-02A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-02 | 2459A-02B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-03 | 2459A-03A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-03 | 2459A-03B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-04 | 2459A-04A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-04 | 2459A-04B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-05 | 2459A-05A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-05 | 2459A-05B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-06 | 2459A-06A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-06 | 2459A-06B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-07 | 2459A-07A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-07 | 2459A-07B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-08 | 2459A-08A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-08 | 2459A-08B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-09 | 2459A-09 | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-09 | 2459A-09A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-09 | 2459A-09B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-10 | 2459A-10A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-10 | 2459A-10B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-11 | 2459A-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 2459A | 2459A-11 | 2459A-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-01 | 2459B-01 | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-01 | 2459B-01A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-01 | 2459B-01B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-01 | 2459B-101 | 0 | 0.17 | FIELD DUPLICATE | 2/7/2014 |
| 2459B | 2459B-02 | 2459B-02A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-02 | 2459B-02B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-03 | 2459B-03A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-03 | 2459B-03B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-04 | 2459B-04A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-04 | 2459B-04B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-05 | 2459B-05A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-05 | 2459B-05B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-06 | 2459B-06A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-06 | 2459B-06B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-07 | 2459B-07A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-07 | 2459B-07B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-08 | 2459B-08A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-08 | 2459B-08B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-09 | 2459B-09A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-09 | 2459B-09B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-10 | 2459B-10A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-10 | 2459B-10B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-11 | 2459B-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 2459B | 2459B-11 | 2459B-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| 246 and 30W | 30W-001 | 30W-001-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 246 and 30W | 30W-001 | 30W-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-002 | 30W-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-003 | 30W-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-004 | 30W-004-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-004 | 30W-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-005 | 30W-005-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-005 | 30W-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-006 | 30W-006-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-006 | 30W-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-007 | 30W-007-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-007 | 30W-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-008 | 30W-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-009 | 30W-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-010 | 30W-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-011 | 30W-011-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-011 | 30W-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-012 | 30W-012-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-012 | 30W-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-013 | 30W-013-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-013 | 30W-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-014 | 30W-014-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-014 | 30W-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-015 | 30W-015-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-015 | 30W-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-016 | 30W-016-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-016 | 30W-016-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-017 | 30W-017-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-017 | 30W-017-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-018 | 30W-018-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-019 | 30W-019-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-019 | 30W-019-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-019 | 30W-019-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-020 | 30W-020-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-020 | 30W-020-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-020 | 30W-020-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-021 | 30W-021-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-021 | 30W-021-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-021 | 30W-021-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-022 | 30W-022-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-022 | 30W-022-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-023 | 30W-023-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-023 | 30W-023-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-024 | 30W-024-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-024 | 30W-024-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | 30W-024 | 30W-024-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 246 and 30W | OFS-246-1 | OFS-246-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | OFS-246-1 | OFS-846-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 246 and 30W | OFS-246-2 | OFS-246-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | OFS-246-3 | OFS-246-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | OFS-246-4 | OFS-246-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | OFS-246-5 | OFS-246-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | OFS-246-6 | OFS-246-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | OFS-246-7 | OFS-246-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | OFS-246-8 | OFS-246-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | OFS-246-9 | OFS-246-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | OFS-246-1 | OFS-246-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 246 and 30W | 30W-020 | 30W-020-2 | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-020 | 30W-020-2B | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-020 | 30W-020-2F | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-021 | 30W-021-2F | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 246 and 30W | 30W-024 | 30W-024-2 | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-024 | 30W-024-2B | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-024 | 30W-024-2F | 0.83 | 1.17 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-020 | 30W-020-3 | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-020 | 30W-020-3B | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-020 | 30W-020-3F | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-021 | 30W-021-3F | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 246 and 30W | 30W-024 | 30W-024-3F | 1.83 | 2 | FIELD SAMPLE | 8/14/2013 |
| 2462 | 2462-01 | 2462-01A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-01 | 2462-01B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-02 | 2462-02A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-02 | 2462-02B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-03 | 2462-03A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-03 | 2462-03B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-04 | 2462-04 | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-04 | 2462-04A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-04 | 2462-04B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-05 | 2462-05A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-05 | 2462-05B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-06 | 2462-06A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-06 | 2462-06B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-07 | 2462-07A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-07 | 2462-07B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-08 | 2462-08A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-08 | 2462-08B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-09 | 2462-09A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-09 | 2462-09B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-10 | 2462-10A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-10 | 2462-10B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-11 | 2462-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2462 | 2462-11 | 2462-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 247 | OFS-247-1 | OFS-247-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 247 | OFS-247-1 | OFS-847-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 247 | OFS-247-2 | OFS-247-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 247 | OFS-247-3 | OFS-247-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 247 | OFS-247-4 | OFS-247-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 247 | OFS-247-5 | OFS-247-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 247 | OFS-247-6 | OFS-247-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 247 | OFS-247-7 | OFS-247-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 247 | OFS-247-8 | OFS-247-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 247 | OFS-247-9 | OFS-247-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 247 | OFS-247-1 | OFS-247-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-1 | OFS-248-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-1 | OFS-848-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 248 | OFS-248-2 | OFS-248-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-3 | OFS-248-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-4 | OFS-248-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-5 | OFS-248-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-6 | OFS-248-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-7 | OFS-248-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-8 | OFS-248-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-9 | OFS-248-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 248 | OFS-248-1 | OFS-248-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 249 | OFS-249-1 | OFS-249-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 249 | OFS-249-1 | OFS-849-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 249 | OFS-249-2 | OFS-249-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 249 | OFS-249-3 | OFS-249-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 249 | OFS-249-4 | OFS-249-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 249 | OFS-249-5 | OFS-249-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 249 | OFS-249-6 | OFS-249-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|--------------|----------------|
| 249 | OFS-249-7 | OFS-249-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 249 | OFS-249-8 | OFS-249-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 249 | OFS-249-9 | OFS-249-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 249 | OFS-249-1 | OFS-249-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 2490 | 2407-01 | 2407-01A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2490 | 2407-01 | 2407-01B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2490 | 2407-02 | 2407-02 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2490 | 2407-02 | 2407-02A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2490 | 2407-02 | 2407-02B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2490 | 2407-03 | 2407-03A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2490 | 2407-03 | 2407-03B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2490 | 2490-01 | 2490-01 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-01 | 2490-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-01 | 2490-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-02 | 2490-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-02 | 2490-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-03 | 2490-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-03 | 2490-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-04 | 2490-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-04 | 2490-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-05 | 2490-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-05 | 2490-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-06 | 2490-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-06 | 2490-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-07 | 2490-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-07 | 2490-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-08 | 2490-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-08 | 2490-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-09 | 2490-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-09 | 2490-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-10 | 2490-10 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-10 | 2490-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-10 | 2490-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-11 | 2490-11A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-11 | 2490-11B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-12 | 2490-12A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-12 | 2490-12B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-13 | 2490-13A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-13 | 2490-13B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-14 | 2490-14A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-14 | 2490-14B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-15 | 2490-15A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-15 | 2490-15B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-16 | 2490-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-16 | 2490-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-17 | 2490-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2490 | 2490-17 | 2490-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2502 | 2502A-01 | 2502A-01A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-01 | 2502A-01B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-02 | 2502A-02A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-02 | 2502A-02B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-03 | 2502A-03A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-03 | 2502A-03B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-04 | 2502A-04A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-04 | 2502A-04B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-05 | 2502A-05A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-05 | 2502A-05B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-06 | 2502A-06A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-06 | 2502A-06B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-07 | 2502A-07A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2502 | 2502A-07 | 2502A-07B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-08 | 2502A-08 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-08 | 2502A-08A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-08 | 2502A-08B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-09 | 2502A-09A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-09 | 2502A-09B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-10 | 2502A-10A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-10 | 2502A-10B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-01 | 2502B-01A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-01 | 2502B-01B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-02 | 2502B-02A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-02 | 2502B-02B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-03 | 2502B-03A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-03 | 2502B-03B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-04 | 2502B-04A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-04 | 2502B-04B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-05 | 2502B-05A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-05 | 2502B-05B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-06 | 2502B-06A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-06 | 2502B-06B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-07 | 2502B-07 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-07 | 2502B-07A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-07 | 2502B-07B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-08 | 2502B-08A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-08 | 2502B-08B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-09 | 2502B-09A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-09 | 2502B-09B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-10 | 2502B-10A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-10 | 2502B-10B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-11 | 2502A-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502A-11 | 2502A-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-11 | 2502B-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2502 | 2502B-11 | 2502B-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2504 | 2504-01 | 2504-01A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-01 | 2504-01B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-02 | 2504-02A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-02 | 2504-02B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-03 | 2504-03A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-03 | 2504-03B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-04 | 2504-04 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-04 | 2504-04A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-04 | 2504-04B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-05 | 2504-05A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-05 | 2504-05B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-06 | 2504-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-06 | 2504-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-07 | 2504-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-07 | 2504-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-08 | 2504-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-08 | 2504-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-09 | 2504-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-09 | 2504-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-10 | 2504-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-10 | 2504-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-11 | 2504-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2504 | 2504-11 | 2504-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2505 | 2505-01 | 2505-01 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-01 | 2505-01A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-01 | 2505-01B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-02 | 2505-02A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2505 | 2505-02 | 2505-02B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-03 | 2505-03A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-03 | 2505-03B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-04 | 2505-04A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-04 | 2505-04B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-06 | 2505-06A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-06 | 2505-06B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-07 | 2505-07A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-07 | 2505-07B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-08 | 2505-08A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-08 | 2505-08B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-09 | 2505-09A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-09 | 2505-09B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-10 | 2505-10A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-10 | 2505-10B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-11 | 2505-11 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-11 | 2505-11A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-11 | 2505-11B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-04 | 2505-05A | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2505 | 2505-04 | 2505-05B | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2507 | 2507-01 | 2507-01A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-01 | 2507-01B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-02 | 2507-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-02 | 2507-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-03 | 2507-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-03 | 2507-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-04 | 2507-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-04 | 2507-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-05 | 2507-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-05 | 2507-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-06 | 2507-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-06 | 2507-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-07 | 2507-07 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-07 | 2507-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-07 | 2507-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-08 | 2507-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-08 | 2507-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-09 | 2507-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-09 | 2507-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-10 | 2507-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-10 | 2507-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-11 | 2507-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2507 | 2507-11 | 2507-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2508 | 2508-01 | 2508-01A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-01 | 2508-01B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-02 | 2508-02A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-02 | 2508-02B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-03 | 2508-03A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-03 | 2508-03B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-04 | 2508-04A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-04 | 2508-04B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-05 | 2508-05A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-05 | 2508-05B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-06 | 2508-06A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-06 | 2508-06B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-07 | 2508-07A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-07 | 2508-07B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-08 | 2508-08A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-08 | 2508-08B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-09 | 2508-09 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 2508 | 2508-09 | 2508-09A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-09 | 2508-09B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-11 | 2508-11A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-11 | 2508-11B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-10 | 2508-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2508 | 2508-10 | 2508-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2509 | 2509A-01 | 2509A-01 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509A-01 | 2509A-01A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509A-01 | 2509A-01B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509A-01 | 2509A-101 | 0 | 0.17 | FIELD DUPLICATE | 3/13/2014 |
| 2509 | 2509A-02 | 2509A-02A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509A-02 | 2509A-02B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-03 | 2509B-03A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-03 | 2509B-03B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-04 | 2509B-04A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-04 | 2509B-04B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-05 | 2509B-05A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-05 | 2509B-05B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-06 | 2509B-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-06 | 2509B-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-07 | 2509B-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-07 | 2509B-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-08 | 2509B-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-08 | 2509B-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-09 | 2509B-09 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-09 | 2509B-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-09 | 2509B-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-10 | 2509B-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-10 | 2509B-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-11 | 2509B-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2509 | 2509B-11 | 2509B-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 251 | OFS-251-1 | OFS-251-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 251 | OFS-251-1 | OFS-851-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 251 | OFS-251-2 | OFS-251-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 251 | OFS-251-3 | OFS-251-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 251 | OFS-251-4 | OFS-251-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 251 | OFS-251-5 | OFS-251-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 251 | OFS-251-6 | OFS-251-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 251 | OFS-251-7 | OFS-251-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 251 | OFS-251-8 | OFS-251-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 251 | OFS-251-9 | OFS-251-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 251 | OFS-251-1 | OFS-251-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 2511 | 2511-01 | 2511-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-01 | 2511-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-02 | 2511-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-02 | 2511-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-03 | 2511-03 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-03 | 2511-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-03 | 2511-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-04 | 2511-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-04 | 2511-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-05 | 2511-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-05 | 2511-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-06 | 2511-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-06 | 2511-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-07 | 2511-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-07 | 2511-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-08 | 2511-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-08 | 2511-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-09 | 2511-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 2511 | 2511-09 | 2511-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-10 | 2511-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-10 | 2511-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-11 | 2511-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2511 | 2511-11 | 2511-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2512 | 2512-01 | 2512-01 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-01 | 2512-01A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-01 | 2512-01B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-01 | 2512-101 | 0 | 0.17 | FIELD DUPLICATE | 3/13/2014 |
| 2512 | 2512-02 | 2512-02A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-02 | 2512-02B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-03 | 2512-03A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-03 | 2512-03B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-04 | 2512-04A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-04 | 2512-04B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-05 | 2512-05A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-05 | 2512-05B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-06 | 2512-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-06 | 2512-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-07 | 2512-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-07 | 2512-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-08 | 2512-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-08 | 2512-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-09 | 2512-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-09 | 2512-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-10 | 2512-10 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-10 | 2512-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-10 | 2512-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-11 | 2512-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2512 | 2512-11 | 2512-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2514 | 2514-02 | 2514-02A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-02 | 2514-02B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-03 | 2514-03A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-03 | 2514-03B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-04 | 2514-04 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-04 | 2514-04A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-04 | 2514-04B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-05 | 2514-05A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-05 | 2514-05B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-06 | 2514-06A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-06 | 2514-06B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-07 | 2514-07A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-07 | 2514-07B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-08 | 2514-08A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-08 | 2514-08B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-09 | 2514-09A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-09 | 2514-09B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-10 | 2514-10A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-10 | 2514-10B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-11 | 2514-11A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-11 | 2514-11B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-01 | 2514-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2514 | 2514-01 | 2514-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-02 | 2515-02A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-02 | 2515-02B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-03 | 2515-03A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-03 | 2515-03B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-04 | 2515-04A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-04 | 2515-04B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-05 | 2515-05 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2515 | 2515-05 | 2515-05A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-05 | 2515-05B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-06 | 2515-06A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-06 | 2515-06B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-07 | 2515-07A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-07 | 2515-07B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-08 | 2515-08A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-08 | 2515-08B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-09 | 2515-09A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-09 | 2515-09B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-10 | 2515-10A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-10 | 2515-10B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-11 | 2515-11A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-11 | 2515-11B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-01 | 2515-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2515 | 2515-01 | 2515-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2516 | 2516-02 | 2516-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-02 | 2516-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-03 | 2516-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-03 | 2516-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-04 | 2516-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-04 | 2516-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-05 | 2516-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-05 | 2516-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-06 | 2516-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-06 | 2516-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-07 | 2516-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-07 | 2516-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-08 | 2516-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-08 | 2516-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-09 | 2516-09 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-09 | 2516-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-09 | 2516-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-10 | 2516-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-10 | 2516-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-11 | 2516-11A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-11 | 2516-11B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-01 | 2516-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2516 | 2516-01 | 2516-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2517 | 2517-02 | 2517-02A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-02 | 2517-02B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-03 | 2517-03 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-03 | 2517-03A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-03 | 2517-03B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-04 | 2517-04A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-04 | 2517-04B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-05 | 2517-05A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-05 | 2517-05B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-06 | 2517-06A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-06 | 2517-06B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-07 | 2517-07A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-07 | 2517-07B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-08 | 2517-08A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-08 | 2517-08B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-09 | 2517-09A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-09 | 2517-09B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-10 | 2517-10A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-10 | 2517-10B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-11 | 2517-11A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-11 | 2517-11B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 2517 | 2517-01 | 2517-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2517 | 2517-01 | 2517-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| 2518 | 2518-01 | 2518-01A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-01 | 2518-01B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-02 | 2518-02A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-02 | 2518-02B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-03 | 2518-03A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-03 | 2518-03B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-04 | 2518-04A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-04 | 2518-04B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-05 | 2518-05 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-05 | 2518-05A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-05 | 2518-05B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-06 | 2518-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-06 | 2518-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-07 | 2518-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-07 | 2518-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-08 | 2518-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-08 | 2518-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-09 | 2518-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-09 | 2518-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-10 | 2518-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-10 | 2518-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-11 | 2518-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 2518 | 2518-11 | 2518-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 252 | CH-SB04 | CH-SB04-0A | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| 252 | CH-SB04 | CH-SB04-0B | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| 252 | CH-SB06 | CH-SB06-0A | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| 252 | CH-SB06 | CH-SB06-0B | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| 252 | CH-SB07 | CH-SB07-0A | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| 252 | CH-SB07 | CH-SB07-0B | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| 252 | XRF-458 | XRF-458a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| 252 | XRF-458 | XRF-458b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| 252 | XRF-461 | XRF-461a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| 252 | XRF-461 | XRF-461b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| 252 | XRF-463 | XRF-463a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| 252 | XRF-463 | XRF-463b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| 252 | XRF-564 | XRF-564__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| 252 | XRF-564 | XRF-564a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| 252 | XRF-564 | XRF-564b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| 252 | XRF-566 | XRF-566a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| 252 | XRF-566 | XRF-566b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| 252 | XRF-570 | XRF-570a__5/31/2013 | 0 | 0.08 | FIELD SAMPLE | 5/31/2013 |
| 252 | XRF-570 | XRF-570a__5/31/2013D | 0 | 0.08 | FIELD DUPLICATE | 5/31/2013 |
| 252 | OFS-252-1 | OFS-252-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 252 | OFS-252-1 | OFS-852-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 252 | OFS-252-2 | OFS-252-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 252 | OFS-252-3 | OFS-252-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 252 | OFS-252-4 | OFS-252-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 252 | OFS-252-5 | OFS-252-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 252 | OFS-252-6 | OFS-252-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 252 | OFS-252-7 | OFS-252-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 252 | OFS-252-8 | OFS-252-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 252 | OFS-252-9 | OFS-252-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 252 | OFS-252-1 | OFS-252-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 252 | XRF-459 | XRF-460__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| 252 | XRF-459 | XRF-460a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| 252 | XRF-459 | XRF-460b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| 252 | XRF-461 | XRF-462a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| 252 | XRF-461 | XRF-462b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| 252 | XRF-463 | XRF-464__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| 252 | XRF-463 | XRF-464a__5/31/2013 | 0.91 | 1 | FIELD SAMPLE | 5/31/2013 |
| 252 | XRF-463 | XRF-464b__5/31/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/31/2013 |
| 252 | XRF-564 | XRF-565a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| 252 | XRF-564 | XRF-565b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| 252 | XRF-566 | XRF-567a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| 252 | XRF-566 | XRF-567b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| 252 | XRF-570 | XRF-571a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| 252 | XRF-570 | XRF-571b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| 2520 | 2520-02 | 2520-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-02 | 2520-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-03 | 2520-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-03 | 2520-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-04 | 2520-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-04 | 2520-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-05 | 2520-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-05 | 2520-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-06 | 2520-06 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-06 | 2520-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-06 | 2520-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-07 | 2520-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-07 | 2520-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-08 | 2520-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-08 | 2520-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-09 | 2520-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-09 | 2520-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-10 | 2520-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-10 | 2520-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-11 | 2520-11A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-11 | 2520-11B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-01 | 2520-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2520 | 2520-01 | 2520-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-02 | 2521-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-02 | 2521-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-03 | 2521-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-03 | 2521-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-04 | 2521-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-04 | 2521-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-05 | 2521-05 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-05 | 2521-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-05 | 2521-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-06 | 2521-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-06 | 2521-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-07 | 2521-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-07 | 2521-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-08 | 2521-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-08 | 2521-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-09 | 2521-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-09 | 2521-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-10 | 2521-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-10 | 2521-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-11 | 2521-11A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-11 | 2521-11B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-01 | 2521-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2521 | 2521-01 | 2521-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-02 | 2522-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-02 | 2522-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-03 | 2522-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-03 | 2522-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-04 | 2522-04 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2522 | 2522-04 | 2522-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-04 | 2522-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-05 | 2522-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-05 | 2522-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-06 | 2522-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-06 | 2522-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-07 | 2522-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-07 | 2522-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-08 | 2522-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-08 | 2522-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-09 | 2522-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-09 | 2522-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-10 | 2522-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-10 | 2522-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-11 | 2522-11A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-11 | 2522-11B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-01 | 2522-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2522 | 2522-01 | 2522-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2523 | 2523-01 | 2523-01A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-01 | 2523-01B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-02 | 2523-02A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-02 | 2523-02B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-03 | 2523-03A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-03 | 2523-03B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-04 | 2523-04A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-04 | 2523-04B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-05 | 2523-05 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-05 | 2523-05A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-05 | 2523-05B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-06 | 2523-06A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-06 | 2523-06B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-07 | 2523-07A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-07 | 2523-07B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-08 | 2523-08A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-08 | 2523-08B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-09 | 2523-09 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-09 | 2523-09A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-09 | 2523-09B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-11 | 2523-11A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-11 | 2523-11B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-10 | 2523-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2523 | 2523-10 | 2523-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2524 | 2524-02 | 2524-02A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-02 | 2524-02B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-03 | 2524-03A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-03 | 2524-03B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-04 | 2524-04A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-04 | 2524-04B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-05 | 2524-05 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-05 | 2524-05A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-05 | 2524-05B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-06 | 2524-06A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-06 | 2524-06B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-07 | 2524-07A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-07 | 2524-07B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-08 | 2524-08A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-08 | 2524-08B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-09 | 2524-09A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-09 | 2524-09B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-10 | 2524-10A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2524 | 2524-10 | 2524-10B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-11 | 2524-11A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-11 | 2524-11B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-01 | 2524-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2524 | 2524-01 | 2524-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-02 | 2525-02A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-02 | 2525-02B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-03 | 2525-03A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-03 | 2525-03B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-04 | 2525-04A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-04 | 2525-04B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-05 | 2525-05A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-05 | 2525-05B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-06 | 2525-06 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-06 | 2525-06A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-06 | 2525-06B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-07 | 2525-07A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-07 | 2525-07B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-08 | 2525-08A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-08 | 2525-08B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-09 | 2525-09A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-09 | 2525-09B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-10 | 2525-10A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-10 | 2525-10B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-11 | 2525-11A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-11 | 2525-11B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-01 | 2525-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2525 | 2525-01 | 2525-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 2526 | 2526-02 | 2526-02 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-02 | 2526-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-02 | 2526-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-03 | 2526-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-03 | 2526-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-04 | 2526-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-04 | 2526-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-05 | 2526-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-05 | 2526-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-06 | 2526-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-06 | 2526-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-07 | 2526-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-07 | 2526-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-08 | 2526-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-08 | 2526-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-09 | 2526-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-09 | 2526-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-10 | 2526-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-10 | 2526-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-11 | 2526-11 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-11 | 2526-11A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-11 | 2526-11B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-01 | 2526-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2526 | 2526-01 | 2526-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2527 | 2527-01 | 2527-01A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-01 | 2527-01B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-02 | 2527-02A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-02 | 2527-02B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-03 | 2527-03 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-03 | 2527-03A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-03 | 2527-03B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-04 | 2527-04A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2527 | 2527-04 | 2527-04B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-05 | 2527-05A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-05 | 2527-05B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-06 | 2527-06A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-06 | 2527-06B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-07 | 2527-07A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-07 | 2527-07B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-08 | 2527-08A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-08 | 2527-08B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-09 | 2527-09A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-09 | 2527-09B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-11 | 2527-11A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-11 | 2527-11B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-10 | 2527-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2527 | 2527-10 | 2527-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2529 | 2529-01 | 2529-01A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-01 | 2529-01B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-02 | 2529-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-02 | 2529-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-03 | 2529-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-03 | 2529-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-04 | 2529-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-04 | 2529-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-05 | 2529-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-05 | 2529-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-06 | 2529-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-06 | 2529-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-07 | 2529-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-07 | 2529-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-08 | 2529-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-08 | 2529-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-09 | 2529-09 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-09 | 2529-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-09 | 2529-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-10 | 2529-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-10 | 2529-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2530A-01 | 2530A-01A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2530A-01 | 2530A-01B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2530A-02 | 2530A-02A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2530A-02 | 2530A-02B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2530A-03 | 2530A-03A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2530A-03 | 2530A-03B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2530A-04 | 2530A-04A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2530A-04 | 2530A-04B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2530A-05 | 2530A-05A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2530A-05 | 2530A-05B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2529 | 2529-11 | 2529-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2529 | 2529-11 | 2529-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 253 | 253-01 | 253-01A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-01 | 253-01B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-02 | 253-02A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-02 | 253-02B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-03 | 253-03 | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-03 | 253-03A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-03 | 253-03B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-04 | 253-04A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-04 | 253-04B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-05 | 253-05A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-05 | 253-05B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-06 | 253-06A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 253 | 253-06 | 253-06B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-07 | 253-07A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-07 | 253-07B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-08 | 253-08A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-08 | 253-08B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-09 | 253-09A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-09 | 253-09B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-11 | 253-11A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-11 | 253-11B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-12 | 253-12A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-12 | 253-12B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-13 | 253-13 | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-13 | 253-13A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-13 | 253-13B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-14 | 253-14A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-14 | 253-14B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-16 | 253-16A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-16 | 253-16B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-17 | 253-17A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-17 | 253-17B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | OFS-253-1 | OFS-253-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 253 | OFS-253-1 | OFS-853-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 253 | OFS-253-2 | OFS-253-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 253 | OFS-253-3 | OFS-253-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 253 | OFS-253-4 | OFS-253-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 253 | OFS-253-5 | OFS-253-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 253 | OFS-253-6 | OFS-253-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 253 | OFS-253-7 | OFS-253-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 253 | OFS-253-8 | OFS-253-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 253 | OFS-253-9 | OFS-253-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 253 | OFS-253-1 | OFS-253-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 253 | 253-10 | 253-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-10 | 253-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-15 | 253-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 253 | 253-15 | 253-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 2530 | 2530-01 | 2530-01A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530-01 | 2530-01B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530-02 | 2530-02A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530-02 | 2530-02B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530-03 | 2530-03A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530-03 | 2530-03B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530-04 | 2530-04A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530-04 | 2530-04B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530-05 | 2530-05A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530-05 | 2530-05B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2530 | 2530B-06 | 2530B-06A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-06 | 2530B-06B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-07 | 2530B-07A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-07 | 2530B-07B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-08 | 2530B-08 | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-08 | 2530B-08A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-08 | 2530B-08B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-09 | 2530B-09A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-09 | 2530B-09B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-10 | 2530B-10A | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-10 | 2530B-10B | 0 | 0.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-20 | 2530B-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2530 | 2530B-20 | 2530B-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2530 | 2530B-21 | 2530B-21A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2530 | 2530B-21 | 2530B-21B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2530 | 2530B-22 | 2530B-22A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2530 | 2530B-22 | 2530B-22B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2530 | 2530B-23 | 2530B-23A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2530 | 2530B-23 | 2530B-23B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2530 | 2530B-11 | 2530B-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2530 | 2530B-11 | 2530B-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/13/2014 |
| 2532 | 2532-01 | 2532-01A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-01 | 2532-01B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-02 | 2532-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-02 | 2532-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-03 | 2532-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-03 | 2532-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-04 | 2532-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-04 | 2532-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-05 | 2532-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-05 | 2532-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-06 | 2532-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-06 | 2532-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-07 | 2532-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-07 | 2532-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-08 | 2532-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-08 | 2532-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-09 | 2532-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-09 | 2532-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-10 | 2532-10 | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-10 | 2532-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2532 | 2532-10 | 2532-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2535 | 2535-01 | 2535-01A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-01 | 2535-01B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-02 | 2535-02 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-02 | 2535-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-02 | 2535-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-03 | 2535-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-03 | 2535-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-04 | 2535-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-04 | 2535-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-05 | 2535-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-05 | 2535-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-06 | 2535-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-06 | 2535-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-07 | 2535-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-07 | 2535-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-08 | 2535-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-08 | 2535-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-09 | 2535-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-09 | 2535-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-10 | 2535-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-10 | 2535-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-11 | 2535-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2535 | 2535-11 | 2535-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-01 | 2536-01A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-01 | 2536-01B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-02 | 2536-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-02 | 2536-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-03 | 2536-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-03 | 2536-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-04 | 2536-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-04 | 2536-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-05 | 2536-05 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-05 | 2536-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2536 | 2536-05 | 2536-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-06 | 2536-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-06 | 2536-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-07 | 2536-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-07 | 2536-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-08 | 2536-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-08 | 2536-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-09 | 2536-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-09 | 2536-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-10 | 2536-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-10 | 2536-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2550-01 | 2550-01A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2550-01 | 2550-01B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2550-02 | 2550-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2550-02 | 2550-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2550-03 | 2550-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2550-03 | 2550-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-11 | 2536-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2536 | 2536-11 | 2536-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2537 | 2537-01 | 2537-01A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-01 | 2537-01B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-02 | 2537-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-02 | 2537-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-03 | 2537-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-03 | 2537-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-04 | 2537-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-04 | 2537-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-05 | 2537-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-05 | 2537-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-06 | 2537-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-06 | 2537-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-07 | 2537-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-07 | 2537-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-08 | 2537-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-08 | 2537-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-09 | 2537-09 | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-09 | 2537-09A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2537 | 2537-09 | 2537-09B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-01 | 2538-01A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-01 | 2538-01B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-02 | 2538-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-02 | 2538-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-03 | 2538-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-03 | 2538-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-04 | 2538-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-04 | 2538-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-05 | 2538-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-05 | 2538-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-06 | 2538-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-06 | 2538-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-07 | 2538-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-07 | 2538-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-08 | 2538-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-08 | 2538-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-09 | 2538-09 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-09 | 2538-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-09 | 2538-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-10 | 2538-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-10 | 2538-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2538 | 2538-11 | 2538-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 2538 | 2538-11 | 2538-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2539 | 2539-01 | 2539-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-01 | 2539-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-02 | 2539-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-02 | 2539-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-03 | 2539-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-03 | 2539-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-04 | 2539-04 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-04 | 2539-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-04 | 2539-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-05 | 2539-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-05 | 2539-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-06 | 2539-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-06 | 2539-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-07 | 2539-07A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2539 | 2539-07 | 2539-07B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2539 | 2539-08 | 2539-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-08 | 2539-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-09 | 2539-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-09 | 2539-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-10 | 2539-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-10 | 2539-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-11 | 2539-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2539 | 2539-11 | 2539-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 254 | 254-01 | 254-01A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-01 | 254-01B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-02 | 254-02A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-02 | 254-02B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-03 | 254-03 | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-03 | 254-03A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-03 | 254-03B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-04 | 254-04A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-04 | 254-04B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-05 | 254-05A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-05 | 254-05B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-06 | 254-06A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-06 | 254-06B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | OFS-254-1 | OFS-254-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 254 | OFS-254-1 | OFS-854-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| 254 | OFS-254-2 | OFS-254-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 254 | OFS-254-3 | OFS-254-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 254 | OFS-254-4 | OFS-254-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 254 | OFS-254-5 | OFS-254-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 254 | OFS-254-6 | OFS-254-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 254 | OFS-254-7 | OFS-254-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 254 | OFS-254-8 | OFS-254-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 254 | OFS-254-9 | OFS-254-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 254 | OFS-254-1 | OFS-254-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| 254 | 254-07 | 254-07A | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-07 | 254-07B | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-08 | 254-08A | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 254 | 254-08 | 254-08B | 0.83 | 1.17 | FIELD SAMPLE | 2/3/2014 |
| 2540 | 2540-02 | 2540-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-02 | 2540-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-03 | 2540-03 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-03 | 2540-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-03 | 2540-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-04 | 2540-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-04 | 2540-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-05 | 2540-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2540 | 2540-05 | 2540-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-06 | 2540-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-06 | 2540-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-07 | 2540-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-07 | 2540-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-08 | 2540-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-08 | 2540-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-09 | 2540-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-09 | 2540-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-10 | 2540-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-10 | 2540-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-11 | 2540-11A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-11 | 2540-11B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-01 | 2540-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2540 | 2540-01 | 2540-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2541 | 2541-02 | 2541-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-02 | 2541-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-03 | 2541-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-03 | 2541-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-04 | 2541-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-04 | 2541-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-05 | 2541-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-05 | 2541-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-06 | 2541-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-06 | 2541-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-07 | 2541-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-07 | 2541-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-08 | 2541-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-08 | 2541-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-09 | 2541-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-09 | 2541-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-10 | 2541-10 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-10 | 2541-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-10 | 2541-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-11 | 2541-11A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-11 | 2541-11B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-01 | 2541-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2541 | 2541-01 | 2541-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2542 | 2542-01 | 2542-01A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-01 | 2542-01B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-02 | 2542-02A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-02 | 2542-02B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-03 | 2542-03 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-03 | 2542-03A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-03 | 2542-03B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-04 | 2542-04A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-04 | 2542-04B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-05 | 2542-05A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-05 | 2542-05B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-06 | 2542-06A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-06 | 2542-06B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-07 | 2542-07A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-07 | 2542-07B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-08 | 2542-08A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-08 | 2542-08B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-09 | 2542-09A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-09 | 2542-09B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-11 | 2542-11A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-11 | 2542-11B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2542 | 2542-10 | 2542-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2542 | 2542-10 | 2542-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2545 | 2545-01 | 2545-01A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-01 | 2545-01B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-02 | 2545-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-02 | 2545-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-03 | 2545-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-03 | 2545-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-04 | 2545-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-04 | 2545-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-05 | 2545-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-05 | 2545-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-06 | 2545-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-06 | 2545-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-07 | 2545-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-07 | 2545-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-08 | 2545-08 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-08 | 2545-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-08 | 2545-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-09 | 2545-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-09 | 2545-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-10 | 2545-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-10 | 2545-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-11 | 2545-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2545 | 2545-11 | 2545-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2549 | 2549-01 | 2549-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-01 | 2549-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-02 | 2549-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-02 | 2549-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-03 | 2549-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-03 | 2549-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-04 | 2549-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-04 | 2549-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-05 | 2549-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-05 | 2549-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-06 | 2549-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-06 | 2549-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-07 | 2549-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-07 | 2549-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-08 | 2549-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-08 | 2549-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-09 | 2549-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-09 | 2549-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-10 | 2549-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-10 | 2549-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-11 | 2549-11 | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-11 | 2549-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2549 | 2549-11 | 2549-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 255 | 255-01 | 255-01A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-01 | 255-01B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-03 | 255-03A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-03 | 255-03B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-04 | 255-04A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-04 | 255-04B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-05 | 255-05A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-05 | 255-05B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-06 | 255-06A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-06 | 255-06B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-07 | 255-07A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-07 | 255-07B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-08 | 255-08A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 255 | 255-08 | 255-08B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | OFS-255-1 | OFS-255-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 255 | OFS-255-1 | OFS-855-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| 255 | OFS-255-2 | OFS-255-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 255 | OFS-255-3 | OFS-255-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 255 | OFS-255-4 | OFS-255-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 255 | OFS-255-5 | OFS-255-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 255 | OFS-255-6 | OFS-255-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 255 | OFS-255-7 | OFS-255-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 255 | OFS-255-8 | OFS-255-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 255 | OFS-255-9 | OFS-255-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 255 | OFS-255-1 | OFS-255-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| 255 | 255-02 | 255-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-02 | 255-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-09 | 255-09A | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 255 | 255-09 | 255-09B | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 2550 | 2550-04 | 2550-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-04 | 2550-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-05 | 2550-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-05 | 2550-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-06 | 2550-06 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-06 | 2550-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-06 | 2550-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-07 | 2550-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-07 | 2550-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-08 | 2550-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-08 | 2550-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-09 | 2550-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-09 | 2550-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-10 | 2550-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-10 | 2550-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-12 | 2550-12A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2550 | 2550-12 | 2550-12B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2550 | 2550-13 | 2550-13A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2550 | 2550-13 | 2550-13B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2550 | 2550-14 | 2550-14A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2550 | 2550-14 | 2550-14B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2550 | 2550-11 | 2550-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 2550 | 2550-11 | 2550-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 256 | OFS-256-1 | OFS-256-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 256 | OFS-256-1 | OFS-856-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| 256 | OFS-256-2 | OFS-256-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 256 | OFS-256-3 | OFS-256-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 256 | OFS-256-4 | OFS-256-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 256 | OFS-256-5 | OFS-256-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 256 | OFS-256-6 | OFS-256-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 256 | OFS-256-7 | OFS-256-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 256 | OFS-256-8 | OFS-256-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 256 | OFS-256-9 | OFS-256-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 256 | OFS-256-1 | OFS-256-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| 257 | OFS-257-1 | OFS-257-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 257 | OFS-257-1 | OFS-857-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| 257 | OFS-257-2 | OFS-257-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 257 | OFS-257-3 | OFS-257-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 257 | OFS-257-4 | OFS-257-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 257 | OFS-257-5 | OFS-257-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 257 | OFS-257-6 | OFS-257-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 257 | OFS-257-7 | OFS-257-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 257 | OFS-257-8 | OFS-257-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 257 | OFS-257-9 | OFS-257-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 257 | OFS-257-1 | OFS-257-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | 00W-001 | 00W-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-002 | 00W-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-003 | 00W-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-004 | 00W-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-005 | 00W-005-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-005 | 00W-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-006 | 00W-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-007 | 00W-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-008 | 00W-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-009 | 00W-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-010 | 00W-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-011 | 00W-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-012 | 00W-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-013 | 00W-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-014 | 00W-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-015 | 00W-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-016 | 00W-016-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-017 | 00W-017-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-018 | 00W-018-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-019 | 00W-019-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-020 | 00W-020-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-021 | 00W-021-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-022 | 00W-022-1B | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-022 | 00W-022-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-023 | 00W-023-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-024 | 00W-024-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-025 | 00W-025-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-026 | 00W-026-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-027 | 00W-027-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | 00W-028 | 00W-028-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 258 and 00W | OFS-258-1 | OFS-258-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | OFS-258-1 | OFS-858-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| 258 and 00W | OFS-258-2 | OFS-258-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | OFS-258-3 | OFS-258-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | OFS-258-4 | OFS-258-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | OFS-258-5 | OFS-258-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | OFS-258-6 | OFS-258-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | OFS-258-7 | OFS-258-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | OFS-258-8 | OFS-258-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | OFS-258-9 | OFS-258-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 258 and 00W | OFS-258-1 | OFS-258-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| 2602 | 2602-02 | 2602-02 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-02 | 2602-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-02 | 2602-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-03 | 2602-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-03 | 2602-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-04 | 2602-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-04 | 2602-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-05 | 2602-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-05 | 2602-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-06 | 2602-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-06 | 2602-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-07 | 2602-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-07 | 2602-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-08 | 2602-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-08 | 2602-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-09 | 2602-09 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-09 | 2602-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-09 | 2602-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 2602 | 2602-10 | 2602-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-10 | 2602-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-11 | 2602-11A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-11 | 2602-11B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-20 | 2602-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2602 | 2602-20 | 2602-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2602 | 2602-21 | 2602-21A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2602 | 2602-21 | 2602-21B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2602 | 2602-22 | 2602-22A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2602 | 2602-22 | 2602-22B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2602 | 2602-01 | 2602-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2602 | 2602-01 | 2602-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-02 | 2603-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-02 | 2603-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-03 | 2603-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-03 | 2603-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-04 | 2603-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-04 | 2603-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-05 | 2603-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-05 | 2603-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-06 | 2603-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-06 | 2603-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-07 | 2603-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-07 | 2603-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-08 | 2603-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-08 | 2603-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-09 | 2603-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-09 | 2603-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-10 | 2603-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-10 | 2603-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-11 | 2603-11 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-11 | 2603-11A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-11 | 2603-11B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-20 | 2603-20 | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-20 | 2603-20A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-20 | 2603-20B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-21 | 2603-121A | 0 | 0.17 | FIELD DUPLICATE | 5/7/2014 |
| 2603 | 2603-21 | 2603-121B | 0 | 0.17 | FIELD DUPLICATE | 5/7/2014 |
| 2603 | 2603-21 | 2603-21A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-21 | 2603-21B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-22 | 2603-22A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-22 | 2603-22B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-23 | 2603-23A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-23 | 2603-23B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-24 | 2603-24A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-24 | 2603-24B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-25 | 2603-25A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-25 | 2603-25B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-26 | 2603-26A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-26 | 2603-26B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-27 | 2603-27A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-27 | 2603-27B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-28 | 2603-28A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-28 | 2603-28B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| 2603 | 2603-01 | 2603-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-01 | 2603-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2603 | 2603-01 | 2603-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2606 | 2606-01 | 2606-01A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-01 | 2606-01B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-02 | 2606-02A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| 2606 | 2606-02 | 2606-02B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-03 | 2606-03 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-03 | 2606-03A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-03 | 2606-03B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-04 | 2606-04A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-04 | 2606-04B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-05 | 2606-05A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-05 | 2606-05B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-06 | 2606-06A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-06 | 2606-06B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-07 | 2606-07A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-07 | 2606-07B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-08 | 2606-08A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-08 | 2606-08B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-09 | 2606-09A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-09 | 2606-09B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-10 | 2606-10A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-10 | 2606-10B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-11 | 2606-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2606 | 2606-11 | 2606-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 261 | 261-01 | 261-01A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-01 | 261-01B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-02 | 261-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-02 | 261-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-03 | 261-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-03 | 261-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-04 | 261-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-04 | 261-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-05 | 261-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-05 | 261-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-06 | 261-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-06 | 261-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-07 | 261-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-07 | 261-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-08 | 261-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-08 | 261-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-09 | 261-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-09 | 261-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-10 | 261-10 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-10 | 261-10A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-10 | 261-10B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-11 | 261-11A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-11 | 261-11B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-12 | 261-12A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-12 | 261-12B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-13 | 261-13A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-13 | 261-13B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-14 | 261-14A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-14 | 261-14B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-15 | 261-15A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-15 | 261-15B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | OFS-261-1 | OFS-261-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 261 | OFS-261-1 | OFS-861-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| 261 | OFS-261-2 | OFS-261-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 261 | OFS-261-3 | OFS-261-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 261 | OFS-261-4 | OFS-261-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 261 | OFS-261-5 | OFS-261-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 261 | OFS-261-6 | OFS-261-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 261 | OFS-261-7 | OFS-261-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 261 | OFS-261-8 | OFS-261-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|--------------|----------------|
| 261 | OFS-261-9 | OFS-261-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 261 | OFS-261-1 | OFS-261-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| 261 | 261-01 | 261-16A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-01 | 261-16B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-02 | 261-17A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 261 | 261-02 | 261-17B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2610 | 2610-01 | 2610-01 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-01 | 2610-01A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-01 | 2610-01B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-02 | 2610-02A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-02 | 2610-02B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-03 | 2610-03A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-03 | 2610-03B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-05 | 2610-05A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-05 | 2610-05B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-06 | 2610-06A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-06 | 2610-06B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-07 | 2610-07A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-07 | 2610-07B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-08 | 2610-08A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-08 | 2610-08B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-09 | 2610-09A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-09 | 2610-09B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-10 | 2610-10 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-10 | 2610-10A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-10 | 2610-10B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-11 | 2610-11A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-11 | 2610-11B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-04 | 2610-04A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2610 | 2610-04 | 2610-04B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| 2612 | 2612-01 | 2612-01A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-01 | 2612-01B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-02 | 2612-02A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-02 | 2612-02B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-03 | 2612-03A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-03 | 2612-03B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-04 | 2612-04A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-04 | 2612-04B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-05 | 2612-05A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-05 | 2612-05B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-06 | 2612-06A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-06 | 2612-06B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-07 | 2612-07A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-07 | 2612-07B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-08 | 2612-08A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-08 | 2612-08B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-09 | 2612-09A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-09 | 2612-09B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-10 | 2612-10 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-10 | 2612-10A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-10 | 2612-10B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-11 | 2612-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2612 | 2612-11 | 2612-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/13/2014 |
| 2615 | 2615-02 | 2615-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-02 | 2615-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-03 | 2615-03 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-03 | 2615-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-03 | 2615-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-04 | 2615-04 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-04 | 2615-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 2615 | 2615-04 | 2615-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-05 | 2615-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-05 | 2615-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-06 | 2615-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-06 | 2615-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-07 | 2615-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-07 | 2615-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-08 | 2615-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-08 | 2615-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-09 | 2615-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-09 | 2615-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-10 | 2615-10A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-10 | 2615-10B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-11 | 2615-11A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-11 | 2615-11B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-01 | 2615-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2615 | 2615-01 | 2615-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 262 | OFS-262-1 | OFS-262-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 262 | OFS-262-1 | OFS-862-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| 262 | OFS-262-2 | OFS-262-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 262 | OFS-262-3 | OFS-262-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 262 | OFS-262-4 | OFS-262-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 262 | OFS-262-5 | OFS-262-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 262 | OFS-262-6 | OFS-262-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 262 | OFS-262-7 | OFS-262-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 262 | OFS-262-8 | OFS-262-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 262 | OFS-262-9 | OFS-262-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 262 | OFS-262-1 | OFS-262-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-1 | OFS-263-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-1 | OFS-863-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| 263 | OFS-263-2 | OFS-263-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-3 | OFS-263-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-4 | OFS-263-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-5 | OFS-263-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-6 | OFS-263-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-7 | OFS-263-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-8 | OFS-263-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-9 | OFS-263-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 263 | OFS-263-1 | OFS-263-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-1 | OFS-265-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-1 | OFS-865-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| 265 | OFS-265-2 | OFS-265-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-3 | OFS-265-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-4 | OFS-265-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-5 | OFS-265-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-6 | OFS-265-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-7 | OFS-265-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-8 | OFS-265-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-9 | OFS-265-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| 265 | OFS-265-1 | OFS-265-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| 267 | OFS-267-1 | OFS-267-1__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 267 | OFS-267-1 | OFS-867-1__6/30/2010 | 0 | 0.2 | FIELD DUPLICATE | 6/30/2010 |
| 267 | OFS-267-2 | OFS-267-2__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 267 | OFS-267-3 | OFS-267-3__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 267 | OFS-267-4 | OFS-267-4__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 267 | OFS-267-5 | OFS-267-5__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 267 | OFS-267-6 | OFS-267-6__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 267 | OFS-267-7 | OFS-267-7__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 267 | OFS-267-8 | OFS-267-8__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 267 | OFS-267-9 | OFS-267-9__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 267 | OFS-267-1 | OFS-267-1-A__6/30/2010 | 0.8 | 1 | FIELD SAMPLE | 6/30/2010 |
| 268 | 268-01 | 268-01 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-01 | 268-01A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-01 | 268-01B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-02 | 268-02A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-02 | 268-02B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-03 | 268-03A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-03 | 268-03B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-04 | 268-04A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-04 | 268-04B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-05 | 268-05A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-05 | 268-05B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-06 | 268-06A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-06 | 268-06B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-07 | 268-07A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-07 | 268-07B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-08 | 268-08A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-08 | 268-08B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-09 | 268-09A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-09 | 268-09B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-10 | 268-10 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-10 | 268-10A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-10 | 268-10B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-11 | 268-11A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-11 | 268-11B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-12 | 268-12A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-12 | 268-12B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-13 | 268-13A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-13 | 268-13B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-14 | 268-14A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-14 | 268-14B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-15 | 268-15A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-15 | 268-15B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | OFS-268-1 | OFS-268-1__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 268 | OFS-268-1 | OFS-868-1__6/30/2010 | 0 | 0.2 | FIELD DUPLICATE | 6/30/2010 |
| 268 | OFS-268-2 | OFS-268-2__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 268 | OFS-268-3 | OFS-268-3__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 268 | OFS-268-4 | OFS-268-4__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 268 | OFS-268-5 | OFS-268-5__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 268 | OFS-268-6 | OFS-268-6__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 268 | OFS-268-7 | OFS-268-7__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 268 | OFS-268-8 | OFS-268-8__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 268 | OFS-268-9 | OFS-268-9__6/30/2010 | 0 | 0.2 | FIELD SAMPLE | 6/30/2010 |
| 268 | OFS-268-1 | OFS-268-1-A__6/30/2010 | 0.8 | 1 | FIELD SAMPLE | 6/30/2010 |
| 268 | 268-16 | 268-16A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-16 | 268-16B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-17 | 268-17A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 268 | 268-17 | 268-17B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2691 | 2691-01 | 2691-01A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-01 | 2691-01B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-03 | 2691-03A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-03 | 2691-03B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-04 | 2691-04A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-04 | 2691-04B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-05 | 2691-05A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-05 | 2691-05B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-06 | 2691-06A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-06 | 2691-06B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-07 | 2691-07A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-07 | 2691-07B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2691 | 2691-08 | 2691-08A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-08 | 2691-08B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-09 | 2691-09A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-09 | 2691-09B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-10 | 2691-10A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-10 | 2691-10B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-11 | 2691-11A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-11 | 2691-11B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-01 | 2691-02 | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-01 | 2691-02A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 2691 | 2691-01 | 2691-02B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-01 | 2693-01A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-01 | 2693-01B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-03 | 2693-03 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-03 | 2693-03A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-03 | 2693-03B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-04 | 2693-04A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-04 | 2693-04B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-05 | 2693-05A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-05 | 2693-05B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-06 | 2693-06A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-06 | 2693-06B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-07 | 2693-07A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-07 | 2693-07B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-08 | 2693-08A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-08 | 2693-08B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-09 | 2693-09A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-09 | 2693-09B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-10 | 2693-10A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-10 | 2693-10B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-11 | 2693-11A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-11 | 2693-11B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-01 | 2693-02A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 2693 | 2693-01 | 2693-02B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 2701 | 2701-01 | 2701-01A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-01 | 2701-01B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-02 | 2701-02A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-02 | 2701-02B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-03 | 2701-03 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-03 | 2701-03A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-03 | 2701-03B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-05 | 2701-05A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-05 | 2701-05B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-06 | 2701-06A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-06 | 2701-06B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-07 | 2701-07A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-07 | 2701-07B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-08 | 2701-08A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-08 | 2701-08B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-09 | 2701-09A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-09 | 2701-09B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-10 | 2701-10A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-10 | 2701-10B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-11 | 2701-11A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-11 | 2701-11B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-12 | 2701-12A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-12 | 2701-12B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-04 | 2701-04A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2701 | 2701-04 | 2701-04B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2702 | 2702-01 | 2702-01A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2702 | 2702-01 | 2702-01B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-03 | 2702-03A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-03 | 2702-03B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-04 | 2702-04A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-04 | 2702-04B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-05 | 2702-05 | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-05 | 2702-05A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-05 | 2702-05B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-06 | 2702-06A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-06 | 2702-06B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-07 | 2702-07A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-07 | 2702-07B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-08 | 2702-08A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-08 | 2702-08B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-09 | 2702-09A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-09 | 2702-09B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-10 | 2702-10A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-10 | 2702-10B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-11 | 2702-11A | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-11 | 2702-11B | 0 | 0.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-02 | 2702-02A | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2702 | 2702-02 | 2702-02B | 0.83 | 1.17 | FIELD SAMPLE | 3/19/2014 |
| 2704 | 2704-01 | 2704-01 | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-01 | 2704-01A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-01 | 2704-01B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-02 | 2704-02A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-02 | 2704-02B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-03 | 2704-03A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-03 | 2704-03B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-04 | 2704-04A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-04 | 2704-04B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-05 | 2704-05A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-05 | 2704-05B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-06 | 2704-06A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-06 | 2704-06B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-07 | 2704-07A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-07 | 2704-07B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-08 | 2704-08 | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-08 | 2704-08A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-08 | 2704-08B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-09 | 2704-09A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-09 | 2704-09B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-10 | 2704-10A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-10 | 2704-10B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-11 | 2704-11A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-11 | 2704-11B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-12 | 2704-12A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-12 | 2704-12B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-13 | 2704-13A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-13 | 2704-13B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-14 | 2704-14A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-14 | 2704-14B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-15 | 2704-15A | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-15 | 2704-15B | 0 | 0.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-16 | 2704-16A | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-16 | 2704-16B | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-17 | 2704-17 | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-17 | 2704-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2704 | 2704-17 | 2704-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/20/2014 |
| 2707 | 2707-01 | 2707-01A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2707 | 2707-01 | 2707-01B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-02 | 2707-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-02 | 2707-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-03 | 2707-03 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-03 | 2707-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-03 | 2707-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-04 | 2707-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-04 | 2707-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-05 | 2707-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-05 | 2707-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-06 | 2707-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-06 | 2707-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-07 | 2707-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-07 | 2707-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-08 | 2707-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-08 | 2707-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-09 | 2707-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-09 | 2707-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-11 | 2707-11A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-11 | 2707-11B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-10 | 2707-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2707 | 2707-10 | 2707-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2708 | 2708-01 | 2708-01A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-01 | 2708-01B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-02 | 2708-02 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-02 | 2708-02A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-02 | 2708-02B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-03 | 2708-03A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-03 | 2708-03B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-04 | 2708-04A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-04 | 2708-04B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-05 | 2708-05A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-05 | 2708-05B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-06 | 2708-06A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-06 | 2708-06B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-07 | 2708-07A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-07 | 2708-07B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-08 | 2708-08A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-08 | 2708-08B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-09 | 2708-09A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-09 | 2708-09B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-11 | 2708-11A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-11 | 2708-11B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-09 | 2708-10A | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2708 | 2708-09 | 2708-10B | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2709 | 2709-01 | 2709-01 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-01 | 2709-01A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-01 | 2709-01B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-01 | 2709-101 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-02 | 2709-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-02 | 2709-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-03 | 2709-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-03 | 2709-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-04 | 2709-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-04 | 2709-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-05 | 2709-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-05 | 2709-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-06 | 2709-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-06 | 2709-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-07 | 2709-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2709 | 2709-07 | 2709-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-08 | 2709-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-08 | 2709-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-09 | 2709-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-09 | 2709-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-11 | 2709-11A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-11 | 2709-11B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-10 | 2709-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2709 | 2709-10 | 2709-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-01 | 2710-01A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-01 | 2710-01B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-02 | 2710-02 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-02 | 2710-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-02 | 2710-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-03 | 2710-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-03 | 2710-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-04 | 2710-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-04 | 2710-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-05 | 2710-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-05 | 2710-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-06 | 2710-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-06 | 2710-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-07 | 2710-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-07 | 2710-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-08 | 2710-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-08 | 2710-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-09 | 2710-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-09 | 2710-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-11 | 2710-11A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-11 | 2710-11B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-01 | 2711-01 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-01 | 2711-01A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-01 | 2711-01B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-02 | 2711-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-02 | 2711-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-03 | 2711-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-03 | 2711-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-04 | 2711-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-04 | 2711-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-05 | 2711-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-05 | 2711-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-06 | 2711-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-06 | 2711-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-07 | 2711-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-07 | 2711-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-08 | 2711-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-08 | 2711-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-09 | 2711-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-09 | 2711-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-11 | 2711-11 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-11 | 2711-11A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-11 | 2711-11B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-10 | 2710-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2710-10 | 2710-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-10 | 2711-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2710 | 2711-10 | 2711-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2713B | 2713-01 | 2713-01A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-01 | 2713-01B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-02 | 2713-02A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-02 | 2713-02B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2713B | 2713-03 | 2713-03A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-03 | 2713-03B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-04 | 2713-04A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-04 | 2713-04B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-05 | 2713-05A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-05 | 2713-05B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-06 | 2713-06A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-06 | 2713-06B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-07 | 2713-07A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-07 | 2713-07B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-08 | 2713-08A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-08 | 2713-08B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-09 | 2713-09A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-09 | 2713-09B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-10 | 2713-10A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-10 | 2713-10B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-12 | 2713-12A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-12 | 2713-12B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-13 | 2713-13A | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-13 | 2713-13B | 0 | 0.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-11 | 2713-11A | 0.83 | 1.17 | FIELD SAMPLE | 5/13/2014 |
| 2713B | 2713-11 | 2713-11B | 0.83 | 1.17 | FIELD SAMPLE | 5/13/2014 |
| 2715 | 2715-01 | 2715-02A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-01 | 2715-02B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-03 | 2715-03A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-03 | 2715-03B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-04 | 2715-04A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-04 | 2715-04B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-05 | 2715-05A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-05 | 2715-05B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-06 | 2715-06 | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-06 | 2715-06A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-06 | 2715-06B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-07 | 2715-07A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-07 | 2715-07B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-08 | 2715-08A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-08 | 2715-08B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-09 | 2715-09A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-09 | 2715-09B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-10 | 2715-10A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-10 | 2715-10B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-11 | 2715-11A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-11 | 2715-11B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-01 | 2715-01A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2715 | 2715-01 | 2715-01B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2718 | 2718-01 | 2718-01A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-01 | 2718-01B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-02 | 2718-02A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-02 | 2718-02B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-03 | 2718-03A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-03 | 2718-03B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-04 | 2718-04A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-04 | 2718-04B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-05 | 2718-05A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-05 | 2718-05B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-06 | 2718-06A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-06 | 2718-06B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-07 | 2718-07A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-07 | 2718-07B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-08 | 2718-08 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2718 | 2718-08 | 2718-08A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-08 | 2718-08B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-09 | 2718-09A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-09 | 2718-09B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-11 | 2718-11A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-11 | 2718-11B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-10 | 2718-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2718 | 2718-10 | 2718-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2719 | 2719-01 | 2719-01A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-01 | 2719-01B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-02 | 2719-02A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-02 | 2719-02B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-03 | 2719-03A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-03 | 2719-03B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-04 | 2719-04A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-04 | 2719-04B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-05 | 2719-05A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-05 | 2719-05B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-06 | 2719-06 | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-06 | 2719-06A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-06 | 2719-06B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-07 | 2719-07A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-07 | 2719-07B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-08 | 2719-08A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-08 | 2719-08B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-09 | 2719-09A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-09 | 2719-09B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-10 | 2719-10A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-10 | 2719-10B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-20 | 2719-20 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2719 | 2719-20 | 2719-20A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2719 | 2719-20 | 2719-20B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2719 | 2719-21 | 2719-21A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2719 | 2719-21 | 2719-21B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2719 | 2720-10 | 2720-10A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2720-10 | 2720-10B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-11 | 2719-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2719 | 2719-11 | 2719-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-01 | 2720-01A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-01 | 2720-01B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-02 | 2720-02A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-02 | 2720-02B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-03 | 2720-03A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-03 | 2720-03B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-04 | 2720-04A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-04 | 2720-04B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-05 | 2720-05 | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-05 | 2720-05A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-05 | 2720-05B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-06 | 2720-06A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-06 | 2720-06B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-07 | 2720-07A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-07 | 2720-07B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-08 | 2720-08A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-08 | 2720-08B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-09 | 2720-09A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-09 | 2720-09B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-12 | 2720-12A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2720 | 2720-12 | 2720-12B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2720 | 2720-13 | 2720-13A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2720 | 2720-13 | 2720-13B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2720 | 2720-11 | 2720-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2720 | 2720-11 | 2720-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2723 | 2723-01 | 2723-01A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-01 | 2723-01B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-02 | 2723-02A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-02 | 2723-02B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-03 | 2723-03A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-03 | 2723-03B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-04 | 2723-04 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-04 | 2723-04A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-04 | 2723-04B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-05 | 2723-05A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-05 | 2723-05B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-06 | 2723-06A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-06 | 2723-06B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-07 | 2723-07A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-07 | 2723-07B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-08 | 2723-08A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-08 | 2723-08B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-10 | 2723-10A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-10 | 2723-10B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-11 | 2723-11A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-11 | 2723-11B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-09 | 2723-09A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2723 | 2723-09 | 2723-09B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2724 | 2724-01 | 2724-01A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-01 | 2724-01B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-02 | 2724-02A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-02 | 2724-02B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-03 | 2724-03A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-03 | 2724-03B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-04 | 2724-04A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-04 | 2724-04B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-05 | 2724-05A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-05 | 2724-05B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-06 | 2724-06A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-06 | 2724-06B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-07 | 2724-07A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-07 | 2724-07B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-08 | 2724-08A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-08 | 2724-08B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-09 | 2724-09A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-09 | 2724-09B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-10 | 2724-10 | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-10 | 2724-10A | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-10 | 2724-10B | 0 | 0.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-11 | 2724-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2724 | 2724-11 | 2724-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/10/2014 |
| 2725 | 2725-01 | 2725-01 | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-01 | 2725-01A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-01 | 2725-01B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-02 | 2725-02A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-02 | 2725-02B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-03 | 2725-03A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-03 | 2725-03B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-04 | 2725-04A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-04 | 2725-04B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-05 | 2725-05A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-05 | 2725-05B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2725 | 2725-06 | 2725-06A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-06 | 2725-06B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-07 | 2725-07A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-07 | 2725-07B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-08 | 2725-08A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-08 | 2725-08B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-09 | 2725-09A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-09 | 2725-09B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-10 | 2725-10A | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-10 | 2725-10B | 0 | 0.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-11 | 2725-11 | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-11 | 2725-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2725 | 2725-11 | 2725-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/14/2014 |
| 2726 | 2726-01 | 2726-01A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-01 | 2726-01B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-02 | 2726-02 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-02 | 2726-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-02 | 2726-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-03 | 2726-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-03 | 2726-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-04 | 2726-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-04 | 2726-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-05 | 2726-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-05 | 2726-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-06 | 2726-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-06 | 2726-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-07 | 2726-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-07 | 2726-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-08 | 2726-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-08 | 2726-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-09 | 2726-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-09 | 2726-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-11 | 2726-11A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-11 | 2726-11B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-10 | 2726-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2726 | 2726-10 | 2726-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2736 | 2736-01 | 2736-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-01 | 2736-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-02 | 2736-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-02 | 2736-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-03 | 2736-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-03 | 2736-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-04 | 2736-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-04 | 2736-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-05 | 2736-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-05 | 2736-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-06 | 2736-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-06 | 2736-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-07 | 2736-07 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-07 | 2736-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-07 | 2736-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-08 | 2736-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-08 | 2736-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-09 | 2736-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-09 | 2736-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-10 | 2736-10A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-10 | 2736-10B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-10 | 2736-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 2736 | 2736-10 | 2736-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 2740 | 2740-01 | 2740-01A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2740 | 2740-01 | 2740-01B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-02 | 2740-02A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-02 | 2740-02B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-03 | 2740-03A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-03 | 2740-03B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-04 | 2740-04A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-04 | 2740-04B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-05 | 2740-05A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-05 | 2740-05B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-06 | 2740-06A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-06 | 2740-06B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-07 | 2740-07A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-07 | 2740-07B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-08 | 2740-08A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-08 | 2740-08B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-09 | 2740-09 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-09 | 2740-09A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-09 | 2740-09B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-10 | 2740-10A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-10 | 2740-10B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-11 | 2740-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2740 | 2740-11 | 2740-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-01 | 2741-01A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-01 | 2741-01B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-02 | 2741-02A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-02 | 2741-02B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-03 | 2741-03A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-03 | 2741-03B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-04 | 2741-04A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-04 | 2741-04B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-05 | 2741-05A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-05 | 2741-05B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-06 | 2741-06A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-06 | 2741-06B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-07 | 2741-07 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-07 | 2741-07A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-07 | 2741-07B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-08 | 2741-08A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-08 | 2741-08B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-09 | 2741-09A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-09 | 2741-09B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-11 | 2741-11A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-11 | 2741-11B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-10 | 2741-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2741 | 2741-10 | 2741-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2743A | 2743A-15 | 2743A-15A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743A | 2743A-15 | 2743A-15B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743A | 2743A-16 | 2743A-16A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743A | 2743A-16 | 2743A-16B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743A | 2743A-17 | 2743A-17A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743A | 2743A-17 | 2743A-17B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743A | 2743A-24 | 2743A-24A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-24 | 2743A-24B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-26 | 2743A-26A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-26 | 2743A-26B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-27 | 2743A-27A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-27 | 2743A-27B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-29 | 2743A-29A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-29 | 2743A-29B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-30 | 2743A-30A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2743A | 2743A-30 | 2743A-30B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-31 | 2743A-31A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-31 | 2743A-31B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-32 | 2743A-32A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-32 | 2743A-32B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-33 | 2743A-33A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-33 | 2743A-33B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-34 | 2743A-34 | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-34 | 2743A-34A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-34 | 2743A-34B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-35 | 2743A-35A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-35 | 2743A-35B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-36 | 2743A-36A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-36 | 2743A-36B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-37 | 2743A-37A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-37 | 2743A-37B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-38 | 2743A-38A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-38 | 2743A-38B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-39 | 2743A-39A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-39 | 2743A-39B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-40 | 2743A-40A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-40 | 2743A-40B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-41 | 2743A-41A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-41 | 2743A-41B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-42 | 2743A-42A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-42 | 2743A-42B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-43 | 2743A-43A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-43 | 2743A-43B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743B-04 | 2743B-04A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743A | 2743B-04 | 2743B-04B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743A | 2743A-25 | 2743A-25A | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-25 | 2743A-25B | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-28 | 2743A-28A | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 2743A | 2743A-28 | 2743A-28B | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 2743BC | 2743B-01 | 2743B-01A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-01 | 2743B-01B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-02 | 2743B-02A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-02 | 2743B-02B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-03 | 2743B-03A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-03 | 2743B-03B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-05 | 2743B-05A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-05 | 2743B-05B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-06 | 2743B-06A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-06 | 2743B-06B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-07 | 2743B-07A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-07 | 2743B-07B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-08 | 2743B-08A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-08 | 2743B-08B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-09 | 2743B-09 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-09 | 2743B-09A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-09 | 2743B-09B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-10 | 2743B-10A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-10 | 2743B-10B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743BC | 2743B-12 | 2743B-12A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743BC | 2743B-12 | 2743B-12B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743BC | 2743C-03 | 2743C-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2743BC | 2743C-03 | 2743C-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2743BC | 2743C-04 | 2743C-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2743BC | 2743C-04 | 2743C-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2743BC | 2743B-11 | 2743B-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2743BC | 2743B-11 | 2743B-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2743D | 2743D-01 | 2743D-01A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-01 | 2743D-01B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-03 | 2743D-03A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-03 | 2743D-03B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-04 | 2743D-04A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-04 | 2743D-04B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-06 | 2743D-06A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-06 | 2743D-06B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-07 | 2743D-07A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-07 | 2743D-07B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-08 | 2743D-08A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-08 | 2743D-08B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-10 | 2743D-10A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-10 | 2743D-10B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-11 | 2743D-11 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-11 | 2743D-11A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-11 | 2743D-11B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-12 | 2743D-12A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-12 | 2743D-12B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-13 | 2743D-13A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-13 | 2743D-13B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-14 | 2743D-14A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-14 | 2743D-14B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-15 | 2743D-15A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-15 | 2743D-15B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-16 | 2743D-16A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-16 | 2743D-16B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-17 | 2743D-17A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-17 | 2743D-17B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-19 | 2743D-19 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-19 | 2743D-19A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-19 | 2743D-19B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-20 | 2743D-20A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-20 | 2743D-20B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-21 | 2743D-21A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-21 | 2743D-21B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-22 | 2743D-22A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-22 | 2743D-22B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-24 | 2743D-24A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743D | 2743D-24 | 2743D-24B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743D | 2743D-25 | 2743D-25A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743D | 2743D-25 | 2743D-25B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743D | 2743D-26 | 2743D-26A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743D | 2743D-26 | 2743D-26B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743D | 2743D-27 | 2743D-27A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743D | 2743D-27 | 2743D-27B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 2743D | 2743D-02 | 2743D-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-02 | 2743D-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-18 | 2743D-18A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-18 | 2743D-18B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-23 | 2743D-23A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2743D | 2743D-23 | 2743D-23B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2743E | 2743A-01 | 2743A-01A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-01 | 2743A-01B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-02 | 2743A-02A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-02 | 2743A-02B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-03 | 2743A-03A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-03 | 2743A-03B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-04 | 2743A-04A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 2743E | 2743A-04 | 2743A-04B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-05 | 2743A-05A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-05 | 2743A-05B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-06 | 2743A-06A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-06 | 2743A-06B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-07 | 2743A-07A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-07 | 2743A-07B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-08 | 2743A-08 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-08 | 2743A-08A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-08 | 2743A-08B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-09 | 2743A-09A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-09 | 2743A-09B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-10 | 2743A-10A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-10 | 2743A-10B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-11 | 2743A-11A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-11 | 2743A-11B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-12 | 2743A-12A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-12 | 2743A-12B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-13 | 2743A-13A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-13 | 2743A-13B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-14 | 2743A-14A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-14 | 2743A-14B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-18 | 2743A-18 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-18 | 2743A-18A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-18 | 2743A-18B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-19 | 2743A-19A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-19 | 2743A-19B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743E-01 | 2743E-01 | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-01 | 2743E-01A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-01 | 2743E-01B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-01 | 2743E-101 | 0 | 0.17 | FIELD DUPLICATE | 2/25/2014 |
| 2743E | 2743E-05 | 2743E-05A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-05 | 2743E-05B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-07 | 2743E-07A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-07 | 2743E-07B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-08 | 2743E-08A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-08 | 2743E-08B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-09 | 2743E-09A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-09 | 2743E-09B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-10 | 2743E-10A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-10 | 2743E-10B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-12 | 2743E-12A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-12 | 2743E-12B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-13 | 2743E-13A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-13 | 2743E-13B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-14 | 2743E-14A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-14 | 2743E-14B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-15 | 2743E-15A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-15 | 2743E-15B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-18 | 2743E-18A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-18 | 2743E-18B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-20 | 2743E-20A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-20 | 2743E-20B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-21 | 2743E-21 | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-21 | 2743E-21A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-21 | 2743E-21B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743A-21 | 2743A-21A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-21 | 2743A-21B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-22 | 2743A-22A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-22 | 2743A-22B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-------------------------|-----------------------|---------------------|-----------------|----------------|
| 2743E | 2743A-23 | 2743A-23A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743A-23 | 2743A-23B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2743E | 2743E-01 | 2743E-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-01 | 2743E-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-05 | 2743E-06A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 2743E | 2743E-05 | 2743E-06B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| 2748 | 2748-01 | 2748-01A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-01 | 2748-01B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-02 | 2748-02A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-02 | 2748-02B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-03 | 2748-03A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-03 | 2748-03B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-04 | 2748-04A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-04 | 2748-04B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-05 | 2748-05 | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-05 | 2748-05A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-05 | 2748-05B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-06 | 2748-07A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-06 | 2748-07B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-08 | 2748-08A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-08 | 2748-08B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-09 | 2748-09A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-09 | 2748-09B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-10 | 2748-10A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-10 | 2748-10B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-11 | 2748-11A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-11 | 2748-11B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-12 | 2748-12A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-12 | 2748-12B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-13 | 2748-13A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-13 | 2748-13B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-14 | 2748-14A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-14 | 2748-14B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-15 | 2748-16A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-15 | 2748-16B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-17 | 2748-17A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-17 | 2748-17B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | XRF-028 | XRF-028__1/10/2012 | 0 | 0.2 | FIELD SAMPLE | 1/10/2012 |
| 2748 | XRF-028 | XRF-028__1/31/2012 | 0 | 0.2 | FIELD SAMPLE | 1/31/2012 |
| 2748 | XRF-028 | XRF-028b__1/10/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/10/2012 |
| 2748 | XRF-028 | XRF-028b__1/31/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/31/2012 |
| 2748 | XRF-028 | XRF-028b-Top__1/27/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/27/2012 |
| 2748 | XRF-028 | XRF-028-Top__1/27/2012 | 0 | 0.2 | FIELD SAMPLE | 1/27/2012 |
| 2748 | XRF-028 | XRF-28 | 0 | 0.2 | FIELD SAMPLE | 1/10/2012 |
| 2748 | XRF-027 | XRF-027__1/10/2012 | 0.8 | 1 | FIELD SAMPLE | 1/10/2012 |
| 2748 | XRF-027 | XRF-027b__1/10/2012 | 0.8 | 1 | FIELD DUPLICATE | 1/10/2012 |
| 2748 | XRF-027 | XRF-27 | 0.8 | 1 | FIELD SAMPLE | 1/10/2012 |
| 2748 | 2748-06 | 2748-06A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-06 | 2748-06B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-15 | 2748-15 | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-15 | 2748-15A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2748 | 2748-15 | 2748-15B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 2749 | 2749-01 | 2749-01 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-01 | 2749-01A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-01 | 2749-01B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-02 | 2749-02A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-02 | 2749-02B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-03 | 2749-03A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-03 | 2749-03B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-04 | 2749-04A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2749 | 2749-04 | 2749-04B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-05 | 2749-05A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-05 | 2749-05B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-06 | 2749-06A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-06 | 2749-06B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-07 | 2749-07A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-07 | 2749-07B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-08 | 2749-08A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-08 | 2749-08B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-09 | 2749-09A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-09 | 2749-09B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-11 | 2749-11A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-11 | 2749-11B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-12 | 2749-12A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-12 | 2749-12B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-13 | 2749-13A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-13 | 2749-13B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-14 | 2749-14A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-14 | 2749-14B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-16 | 2749-16A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-16 | 2749-16B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-10 | 2749-10 | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-10 | 2749-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-10 | 2749-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-15 | 2749-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2749 | 2749-15 | 2749-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2752 | 2743A-20 | 2743A-20A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2752 | 2743A-20 | 2743A-20B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2752 | 2743E-22 | 2743E-22A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2752 | 2743E-22 | 2743E-22B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2752 | 2743E-23 | 2743E-23A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2752 | 2743E-23 | 2743E-23B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 2752 | 2752-01 | 2752-01A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-01 | 2752-01B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-02 | 2752-02A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-02 | 2752-02B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-04 | 2752-04A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-04 | 2752-04B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-05 | 2752-05A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-05 | 2752-05B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-06 | 2752-06A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-06 | 2752-06B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-07 | 2752-07A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-07 | 2752-07B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-08 | 2752-08A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-08 | 2752-08B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-09 | 2752-09 | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-09 | 2752-09A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-09 | 2752-09B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-10 | 2752-10A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-10 | 2752-10B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-11 | 2752-11A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-11 | 2752-11B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-12 | 2752-12A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-12 | 2752-12B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-13 | 2752-13A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-13 | 2752-13B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-15 | 2752-15A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-15 | 2752-15B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-16 | 2752-16A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2752 | 2752-16 | 2752-16B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-17 | 2752-17A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-17 | 2752-17B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-02 | 2752-03A | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-02 | 2752-03B | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-13 | 2752-14A | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2752 | 2752-13 | 2752-14B | 0.83 | 1.17 | FIELD SAMPLE | 5/6/2014 |
| 2753 | 2753-01 | 2753-01A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-01 | 2753-01B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-02 | 2753-02A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-02 | 2753-02B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-03 | 2753-03 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-03 | 2753-03A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-03 | 2753-03B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-04 | 2753-04A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-04 | 2753-04B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-05 | 2753-05A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-05 | 2753-05B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-06 | 2753-06A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-06 | 2753-06B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-07 | 2753-07A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-07 | 2753-07B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-08 | 2753-08A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-08 | 2753-08B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-09 | 2753-09A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-09 | 2753-09B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-11 | 2753-11A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-11 | 2753-11B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-10 | 2753-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2753 | 2753-10 | 2753-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2755 | 2755-01 | 2755-01 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-01 | 2755-01A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-01 | 2755-01B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-02 | 2755-02A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-02 | 2755-02B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-03 | 2755-03A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-03 | 2755-03B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-04 | 2755-04A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-04 | 2755-04B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-05 | 2755-05A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-05 | 2755-05B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-06 | 2755-06A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-06 | 2755-06B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-07 | 2755-07 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-07 | 2755-07A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-07 | 2755-07B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-08 | 2755-08A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-08 | 2755-08B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-09 | 2755-09A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-09 | 2755-09B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-11 | 2755-11A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-11 | 2755-11B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-10 | 2755-10 | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-10 | 2755-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2755 | 2755-10 | 2755-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| 2756 | 2756-01 | 2756-01A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-01 | 2756-01B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-02 | 2756-02 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-02 | 2756-02A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-02 | 2756-02B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| 2756 | 2756-03 | 2756-03A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-03 | 2756-03B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-04 | 2756-04A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-04 | 2756-04B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-05 | 2756-05A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-05 | 2756-05B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-06 | 2756-06A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-06 | 2756-06B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-07 | 2756-07A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-07 | 2756-07B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-08 | 2756-08A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-08 | 2756-08B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-09 | 2756-09A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-09 | 2756-09B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-11 | 2756-11A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-11 | 2756-11B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-10 | 2756-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2756 | 2756-10 | 2756-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-01 | 2801-01A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-01 | 2801-01B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-02 | 2801-02A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-02 | 2801-02B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-03 | 2801-03 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-03 | 2801-03A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-03 | 2801-03B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-04 | 2801-04A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-04 | 2801-04B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-05 | 2801-05A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-05 | 2801-05B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-06 | 2801-06A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-06 | 2801-06B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-07 | 2801-07A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-07 | 2801-07B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-08 | 2801-08A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-08 | 2801-08B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-09 | 2801-09A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-09 | 2801-09B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-10 | 2801-10A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-10 | 2801-10B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-11 | 2801-11A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-11 | 2801-11B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-12 | 2801-12A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-12 | 2801-12B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-13 | 2801-13 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-13 | 2801-13A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-13 | 2801-13B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-14 | 2801-14A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-14 | 2801-14B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-15 | 2801-15A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-15 | 2801-15B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-16 | 2801-16A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-16 | 2801-16B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-17 | 2801-17A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2801 | 2801-17 | 2801-17B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2804 | XRF-805 | XRF-806a__5/30/2013 | 0 | 0.08 | FIELD SAMPLE | 5/30/2013 |
| 2804 | XRF-805 | XRF-806b__5/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/30/2013 |
| 2804 | 2804-02 | 2804-02 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-02 | 2804-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-02 | 2804-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-03 | 2804-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| 2804 | 2804-03 | 2804-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-04 | 2804-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-04 | 2804-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-05 | 2804-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-05 | 2804-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-06 | 2804-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-06 | 2804-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-07 | 2804-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-07 | 2804-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-08 | 2804-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-08 | 2804-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-09 | 2804-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-09 | 2804-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-10 | 2804-10A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-10 | 2804-10B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-11 | 2804-11A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-11 | 2804-11B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-12 | 2804-12 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-12 | 2804-12A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-12 | 2804-12B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-13 | 2804-13A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-13 | 2804-13B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-14 | 2804-14A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-14 | 2804-14B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-15 | 2804-15A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-15 | 2804-15B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-16 | 2804-16A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-16 | 2804-16B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-17 | 2804-17A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-17 | 2804-17B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-18 | 2804-18A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-18 | 2804-18B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-19 | 2804-19A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-19 | 2804-19B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-20 | 2804-20A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-20 | 2804-20B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-24 | 2804-24A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2804 | 2804-24 | 2804-24B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 2804 | S-08 | S-08-0__8/17/2005 | 0 | 0.2 | FIELD SAMPLE | 8/17/2005 |
| 2804 | XRF-255 | XRF-255 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| 2804 | XRF-805 | XRF-805a__5/17/2013 | 0.58 | 0.66 | FIELD SAMPLE | 5/17/2013 |
| 2804 | XRF-805 | XRF-805b__5/17/2013 | 0.58 | 0.66 | FIELD DUPLICATE | 5/17/2013 |
| 2804 | XRF-255 | XRF-256 | 0.83 | 0.83 | FIELD SAMPLE | 4/18/2012 |
| 2804 | 2804-22 | 2804-22 | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-22 | 2804-22A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-22 | 2804-22B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-23 | 2804-23A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-23 | 2804-23B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 2804 | 2804-24 | 2804-25A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 2804 | 2804-24 | 2804-25B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 2805 | 2805-01 | 2805-01A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-01 | 2805-01B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-02 | 2805-02A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-02 | 2805-02B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-03 | 2805-03 | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-03 | 2805-03A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-03 | 2805-03B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-04 | 2805-04A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-04 | 2805-04B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-05 | 2805-05A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2805 | 2805-05 | 2805-05B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-06 | 2805-06A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-06 | 2805-06B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-08 | 2805-08A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-08 | 2805-08B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-09 | 2805-09 | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-09 | 2805-09A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-09 | 2805-09B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-11 | 2805-11A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-11 | 2805-11B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-12 | 2805-12A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-12 | 2805-12B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-13 | 2805-13A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-13 | 2805-13B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-14 | 2805-14A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-14 | 2805-14B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-15 | 2805-15A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-15 | 2805-15B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-16 | 2805-16A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-16 | 2805-16B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-17 | 2805-17A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-17 | 2805-17B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-07 | 2805-07A | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-07 | 2805-07B | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-10 | 2805-10A | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2805 | 2805-10 | 2805-10B | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-01 | 2806-01 | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-01 | 2806-01A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-01 | 2806-01B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-02 | 2806-02A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-02 | 2806-02B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-03 | 2806-03A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-03 | 2806-03B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-04 | 2806-04A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-04 | 2806-04B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-05 | 2806-05A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-05 | 2806-05B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-06 | 2806-06A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-06 | 2806-06B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-07 | 2806-07A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-07 | 2806-07B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-08 | 2806-08A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-08 | 2806-08B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-09 | 2806-09A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-09 | 2806-09B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-10 | 2806-10A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-10 | 2806-10B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-11 | 2806-11 | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-11 | 2806-11A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-11 | 2806-11B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-12 | 2806-12A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-12 | 2806-12B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-13 | 2806-13A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-13 | 2806-13B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-14 | 2806-14A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-14 | 2806-14B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-16 | 2806-16A | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-16 | 2806-16B | 0 | 0.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-15 | 2806-15A | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-15 | 2806-15B | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2806 | 2806-17 | 2806-17A | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2806 | 2806-17 | 2806-17B | 0.83 | 1.17 | FIELD SAMPLE | 3/18/2014 |
| 2807 | 2807-01 | 2807-01A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-01 | 2807-01B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-02 | 2807-02A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-02 | 2807-02B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-03 | 2807-03A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-03 | 2807-03B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-04 | 2807-04 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-04 | 2807-04A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-04 | 2807-04B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-05 | 2807-05A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-05 | 2807-05B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-06 | 2807-06A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-06 | 2807-06B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-07 | 2807-07A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-07 | 2807-07B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-08 | 2807-08A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-08 | 2807-08B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-09 | 2807-09A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-09 | 2807-09B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-11 | 2807-11A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-11 | 2807-11B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-12 | 2807-12A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-12 | 2807-12B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-13 | 2807-13A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-13 | 2807-13B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-14 | 2807-14 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-14 | 2807-14A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-14 | 2807-14B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-16 | 2807-16A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-16 | 2807-16B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-17 | 2807-17A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-17 | 2807-17B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-10 | 2807-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-10 | 2807-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-15 | 2807-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2807 | 2807-15 | 2807-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2808 | 2808-01 | 2808-01A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-01 | 2808-01B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-02 | 2808-02A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-02 | 2808-02B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-03 | 2808-03A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-03 | 2808-03B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-04 | 2808-04A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-04 | 2808-04B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-05 | 2808-05A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-05 | 2808-05B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-06 | 2808-06 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-06 | 2808-06A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-06 | 2808-06B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-07 | 2808-07A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-07 | 2808-07B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-08 | 2808-08A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-08 | 2808-08B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-09 | 2808-09A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-09 | 2808-09B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-10 | 2808-10A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-10 | 2808-10B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-11 | 2808-11A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2808 | 2808-11 | 2808-11B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-12 | 2808-12A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-12 | 2808-12B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-13 | 2808-13A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-13 | 2808-13B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-14 | 2808-14A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-14 | 2808-14B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-15 | 2808-15 | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-15 | 2808-15A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-15 | 2808-15B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-16 | 2808-16 | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-16 | 2808-16A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-16 | 2808-16B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-17 | 2808-17A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2808 | 2808-17 | 2808-17B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| 2810 | 2810-01 | 2810-01A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-01 | 2810-01B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-02 | 2810-02A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-02 | 2810-02B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-03 | 2810-03A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-03 | 2810-03B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-04 | 2810-04A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-04 | 2810-04B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-05 | 2810-05A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-05 | 2810-05B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-06 | 2810-06A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-06 | 2810-06B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-07 | 2810-07A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-07 | 2810-07B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-08 | 2810-08 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-08 | 2810-08A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-08 | 2810-08B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-09 | 2810-09A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-09 | 2810-09B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-11 | 2810-11A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-11 | 2810-11B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-12 | 2810-12A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-12 | 2810-12B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-13 | 2810-13A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-13 | 2810-13B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-14 | 2810-14A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-14 | 2810-14B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-16 | 2810-16A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-16 | 2810-16B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-17 | 2810-17A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-17 | 2810-17B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-10 | 2810-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-10 | 2810-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-15 | 2810-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2810 | 2810-15 | 2810-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| 2901 | 167C-23 | 167C-23A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 167C-23 | 167C-23B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-01 | 2901-01A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-01 | 2901-01B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-02 | 2901-02A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-02 | 2901-02B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-04 | 2901-04 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-04 | 2901-04A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-04 | 2901-04B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-06 | 2901-06 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2901 | 2901-06 | 2901-06A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-06 | 2901-06B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-07 | 2901-07A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-07 | 2901-07B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-08 | 2901-08A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-08 | 2901-08B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-09 | 2901-09A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-09 | 2901-09B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-10 | 2901-10A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-10 | 2901-10B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-11 | 2901-11A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-11 | 2901-11B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-12 | 2901-12A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-12 | 2901-12B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-13 | 2901-13A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-13 | 2901-13B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-14 | 2901-14 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-14 | 2901-14A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-14 | 2901-14B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-15 | 2901-15A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-15 | 2901-15B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-16 | 2901-16A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-16 | 2901-16B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-17 | 2901-17A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-17 | 2901-17B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-18 | 2901-18A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-18 | 2901-18B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-19 | 2901-19A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-19 | 2901-19B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-20 | 2901-20A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-20 | 2901-20B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-21 | 2901-21A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-21 | 2901-21B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-23 | 2901-23A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-23 | 2901-23B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-02 | 2901-03A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-02 | 2901-03B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-04 | 2901-05A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-04 | 2901-05B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-22 | 2901-22A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 2901 | 2901-22 | 2901-22B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| 2903 | 2903-01 | 2903-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-01 | 2903-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-02 | 2903-02 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-02 | 2903-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-02 | 2903-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-03 | 2903-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-03 | 2903-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-04 | 2903-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-04 | 2903-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-06 | 2903-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-06 | 2903-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-07 | 2903-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-07 | 2903-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-08 | 2903-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-08 | 2903-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-09 | 2903-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-09 | 2903-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-10 | 2903-10A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-10 | 2903-10B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 2903 | 2903-11 | 2903-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-11 | 2903-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-12 | 2903-12 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-12 | 2903-12A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-12 | 2903-12B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-13 | 2903-13A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-13 | 2903-13B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-14 | 2903-14A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-14 | 2903-14B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-16 | 2903-16A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-16 | 2903-16B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-17 | 2903-17A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-17 | 2903-17B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-18 | 2903-18A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-18 | 2903-18B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-19 | 2903-19A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-19 | 2903-19B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-24 | 2903-24A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2903 | 2903-24 | 2903-24B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2903 | 2903-26 | 2903-26A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2903 | 2903-26 | 2903-26B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2903 | 2903-27 | 2903-27A | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2903 | 2903-27 | 2903-27B | 0 | 0.17 | FIELD SAMPLE | 3/25/2014 |
| 2903 | XRF-257 | XRF-257 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| 2903 | XRF-259 | XRF-259 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| 2903 | 2903-05 | 2903-05A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-05 | 2903-05B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-15 | 2903-15A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-15 | 2903-15B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| 2903 | 2903-25 | 2903-25A | 0.83 | 1.17 | FIELD SAMPLE | 3/25/2014 |
| 2903 | 2903-25 | 2903-25B | 0.83 | 1.17 | FIELD SAMPLE | 3/25/2014 |
| 2903 | XRF-257 | XRF-258 | 1 | 1 | FIELD SAMPLE | 4/18/2012 |
| 3001 | 3001-02 | 3001-02A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-02 | 3001-02B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-03 | 3001-03A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-03 | 3001-03B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-04 | 3001-04A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-04 | 3001-04B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-05 | 3001-05A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-05 | 3001-05B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-06 | 3001-06A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-06 | 3001-06B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-07 | 3001-07 | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-07 | 3001-07A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-07 | 3001-07B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-08 | 3001-08A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-08 | 3001-08B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-09 | 3001-09A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-09 | 3001-09B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-10 | 3001-10A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-10 | 3001-10B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-12 | 3001-12A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-12 | 3001-12B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-13 | 3001-13A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-13 | 3001-13B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-14 | 3001-15A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-14 | 3001-15B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-16 | 3001-16A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-16 | 3001-16B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-17 | 3001-17 | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 3001 | 3001-17 | 3001-17A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-17 | 3001-17B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-18 | 3001-18A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-18 | 3001-18B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-19 | 3001-19A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-19 | 3001-19B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-20 | 3001-20A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-20 | 3001-20B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-21 | 3001-21A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-21 | 3001-21B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-22 | 3001-22A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-22 | 3001-22B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-23 | 3001-23A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-23 | 3001-23B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-24 | 3001-24A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-24 | 3001-24B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-25 | 3001-25A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-25 | 3001-25B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-26 | 3001-26A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-26 | 3001-26B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-27 | 3001-27 | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-27 | 3001-27A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-27 | 3001-27B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-28 | 3001-28A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-28 | 3001-28B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-29 | 3001-29A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-29 | 3001-29B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-30 | 3001-30A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-30 | 3001-30B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-31 | 3001-31A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-31 | 3001-31B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-32 | 3001-32A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-32 | 3001-32B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-01 | 3001-01A | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-01 | 3001-01B | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-11 | 3001-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-11 | 3001-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-14 | 3001-14A | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3001 | 3001-14 | 3001-14B | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3004 | 3004-01 | 3004-01A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-01 | 3004-01B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-02 | 3004-02A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-02 | 3004-02B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-03 | 3004-03A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-03 | 3004-03B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-04 | 3004-04A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-04 | 3004-04B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-05 | 3004-05A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-05 | 3004-05B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-06 | 3004-06A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-06 | 3004-06B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-07 | 3004-07A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-07 | 3004-07B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-08 | 3004-08 | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-08 | 3004-08A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-08 | 3004-08B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-09 | 3004-09A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-09 | 3004-09B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-11 | 3004-11A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-11 | 3004-11B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 3004 | 3004-12 | 3004-12 | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-12 | 3004-12A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-12 | 3004-12B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-13 | 3004-13A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-13 | 3004-13B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-16 | 3004-16A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-16 | 3004-16B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-17 | 3004-17A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-17 | 3004-17B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-18 | 3004-18A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3004 | 3004-18 | 3004-18B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3004 | 3004-19 | 3004-19A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3004 | 3004-19 | 3004-19B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3004 | 3004-10 | 3004-10A | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-10 | 3004-10B | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-15 | 3004-15A | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3004 | 3004-15 | 3004-15B | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3005 | 3005-01 | 3005-01A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-01 | 3005-01B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-02 | 3005-02A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-02 | 3005-02B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-04 | 3005-04A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-04 | 3005-04B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-05 | 3005-05 | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-05 | 3005-05A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-05 | 3005-05B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-06 | 3005-06A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-06 | 3005-06B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-07 | 3005-07A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-07 | 3005-07B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-08 | 3005-08A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-08 | 3005-08B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-09 | 3005-09A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-09 | 3005-09B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-10 | 3005-10A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-10 | 3005-10B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-12 | 3005-12A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-12 | 3005-12B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-14 | 3005-14A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-14 | 3005-14B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-15 | 3005-15 | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-15 | 3005-15A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-15 | 3005-15B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-16 | 3005-16A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-16 | 3005-16B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-17 | 3005-17A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-17 | 3005-17B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-18 | 3005-18 | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-18 | 3005-18A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-18 | 3005-18B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-19 | 3005-19A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-19 | 3005-19B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-20 | 3005-20A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-20 | 3005-20B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-21 | 3005-21A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-21 | 3005-21B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-22 | 3005-22A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-22 | 3005-22B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-23 | 3005-23A | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-23 | 3005-23B | 0 | 0.17 | FIELD SAMPLE | 3/4/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 3005 | 3005-02 | 3005-03A | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-02 | 3005-03B | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-11 | 3005-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-11 | 3005-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-13 | 3005-13A | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3005 | 3005-13 | 3005-13B | 0.83 | 1.17 | FIELD SAMPLE | 3/4/2014 |
| 3006A | 3006A-01 | 3006A-01A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-01 | 3006A-01B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-03 | 3006A-03 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-03 | 3006A-03A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-03 | 3006A-03B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-04 | 3006A-04A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-04 | 3006A-04B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-05 | 3006A-05A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-05 | 3006A-05B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-06 | 3006A-06A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-06 | 3006A-06B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-07 | 3006A-07A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-07 | 3006A-07B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-08 | 3006A-08A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-08 | 3006A-08B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-09 | 3006A-09A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-09 | 3006A-09B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-10 | 3006A-10A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-10 | 3006A-10B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-11 | 3006A-11A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-11 | 3006A-11B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-12 | 3006A-12A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-12 | 3006A-12B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-13 | 3006A-13 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-13 | 3006A-13A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-13 | 3006A-13B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-15 | 3006A-15A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-15 | 3006A-15B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-16 | 3006A-16A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-16 | 3006A-16B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-17 | 3006A-17A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-17 | 3006A-17B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-01 | 3006A-02A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-01 | 3006A-02B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-13 | 3006A-14A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006A | 3006A-13 | 3006A-14B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-01 | 3006B-01A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-01 | 3006B-01B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-03 | 3006B-03A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-03 | 3006B-03B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-05 | 3006B-05A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-05 | 3006B-05B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-07 | 3006B-07A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-07 | 3006B-07B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-08 | 3006B-08A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-08 | 3006B-08B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-09 | 3006B-09A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-09 | 3006B-09B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-10 | 3006B-10A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-10 | 3006B-10B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-11 | 3006B-11A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-11 | 3006B-11B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-12 | 3006B-12A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-12 | 3006B-12B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 3006B | 3006B-13 | 3006B-13A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-13 | 3006B-13B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-14 | 3006B-14A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-14 | 3006B-14B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-15 | 3006B-15A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-15 | 3006B-15B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-16 | 3006B-16 | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-16 | 3006B-16A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-16 | 3006B-16B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-17 | 3006B-17A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-17 | 3006B-17B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-18 | 3006B-18A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-18 | 3006B-18B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-19 | 3006B-19A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-19 | 3006B-19B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-20 | 3006B-20A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-20 | 3006B-20B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-21 | 3006B-21A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-21 | 3006B-21B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-22 | 3006B-22A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-22 | 3006B-22B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-23 | 3006B-23A | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-23 | 3006B-23B | 0 | 0.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-01 | 3006B-02A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-01 | 3006B-02B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-03 | 3006B-04A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-03 | 3006B-04B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-05 | 3006B-06 | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-05 | 3006B-06A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3006B | 3006B-05 | 3006B-06B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| 3008 | 3008-01 | 3008-01A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-01 | 3008-01B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-03 | 3008-03A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-03 | 3008-03B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-04 | 3008-04A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-04 | 3008-04B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-05 | 3008-05A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-05 | 3008-05B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-06 | 3008-06 | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-06 | 3008-06A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-06 | 3008-06B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-07 | 3008-07A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-07 | 3008-07B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-08 | 3008-08A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-08 | 3008-08B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-09 | 3008-09A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-09 | 3008-09B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-10 | 3008-10A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-10 | 3008-10B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-11 | 3008-11A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-11 | 3008-11B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-12 | 3008-12A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-12 | 3008-12B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-14 | 3008-14A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-14 | 3008-14B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-15 | 3008-15A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-15 | 3008-15B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-16 | 3008-16A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-16 | 3008-16B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-17 | 3008-17A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 3008 | 3008-17 | 3008-17B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-18 | 3008-18A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-18 | 3008-18B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-19 | 3008-19A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-19 | 3008-19B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-20 | 3008-20A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-20 | 3008-20B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-21 | 3008-21A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-21 | 3008-21B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-22 | 3008-22A | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-22 | 3008-22B | 0 | 0.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-02 | 3008-02A | 0.83 | 1.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-02 | 3008-02B | 0.83 | 1.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-12 | 3008-113 | 0.83 | 1.17 | FIELD DUPLICATE | 3/1/2014 |
| 3008 | 3008-12 | 3008-13 | 0.83 | 1.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-12 | 3008-13A | 0.83 | 1.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-12 | 3008-13B | 0.83 | 1.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-23 | 3008-23A | 0.83 | 1.17 | FIELD SAMPLE | 3/1/2014 |
| 3008 | 3008-23 | 3008-23B | 0.83 | 1.17 | FIELD SAMPLE | 3/1/2014 |
| 3009 | 3009-01 | 3009-01A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-01 | 3009-01B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-03 | 3009-03A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-03 | 3009-03B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-04 | 3009-04A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-04 | 3009-04B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-05 | 3009-05A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-05 | 3009-05B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-06 | 3009-06A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-06 | 3009-06B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-07 | 3009-07A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-07 | 3009-07B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-08 | 3009-08 | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-08 | 3009-08A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-08 | 3009-08B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-09 | 3009-09A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-09 | 3009-09B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-11 | 3009-11A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-11 | 3009-11B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-12 | 3009-12A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-12 | 3009-12B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-13 | 3009-13A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-13 | 3009-13B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-15 | 3009-15A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-15 | 3009-15B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-16 | 3009-16A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-16 | 3009-16B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-17 | 3009-17A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-17 | 3009-17B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-18 | 3009-18 | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-18 | 3009-18A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-18 | 3009-18B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-19 | 3009-19A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-19 | 3009-19B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-20 | 3009-20A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-20 | 3009-20B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-21 | 3009-21A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-21 | 3009-21B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-22 | 3009-22A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-22 | 3009-22B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-23 | 3009-23A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|--------------------|-----------------------|---------------------|-----------------|----------------|
| 3009 | 3009-23 | 3009-23B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-02 | 3009-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-02 | 3009-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-10 | 3009-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-10 | 3009-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-14 | 3009-14A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3009 | 3009-14 | 3009-14B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | XRF-409 | XRF-409a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| 3010 | XRF-409 | XRF-409b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| 3010 | 3010-02 | 3010-02A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-02 | 3010-02B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-03 | 3010-03 | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-03 | 3010-03A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-03 | 3010-03B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-04 | 3010-04A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-04 | 3010-04B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-05 | 3010-05A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-05 | 3010-05B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-06 | 3010-06A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-06 | 3010-06B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-07 | 3010-07A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-07 | 3010-07B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-08 | 3010-08A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-08 | 3010-08B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-09 | 3010-09A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-09 | 3010-09B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-11 | 3010-11A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-11 | 3010-11B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-12 | 3010-12A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-12 | 3010-12B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-13 | 3010-13 | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-13 | 3010-13A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-13 | 3010-13B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-14 | 3010-14A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-14 | 3010-14B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-15 | 3010-15A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-15 | 3010-15B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-16 | 3010-16A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-16 | 3010-16B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-17 | 3010-17A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-17 | 3010-17B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-01 | 3010-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-01 | 3010-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-10 | 3010-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | 3010-10 | 3010-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| 3010 | XRF-410 | XRF-410a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| 3010 | XRF-410 | XRF-410b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| 3011 | 3011-01 | 3011-02A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-01 | 3011-02B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-03 | 3011-03A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-03 | 3011-03B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-04 | 3011-04A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-04 | 3011-04B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-05 | 3011-05A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-05 | 3011-05B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-06 | 3011-06A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-06 | 3011-06B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-07 | 3011-07A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-07 | 3011-07B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-08 | 3011-08 | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 3011 | 3011-08 | 3011-08A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-08 | 3011-08B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-09 | 3011-09A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-09 | 3011-09B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-10 | 3011-10A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-10 | 3011-10B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-11 | 3011-11A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-11 | 3011-11B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-12 | 3011-12A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-12 | 3011-12B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-13 | 3011-13A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-13 | 3011-13B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-14 | 3011-14A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-14 | 3011-14B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-16 | 3011-16A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-16 | 3011-16B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-17 | 3011-17A | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-17 | 3011-17B | 0 | 0.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-01 | 3011-01A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-01 | 3011-01B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-14 | 3011-15A | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 3011 | 3011-14 | 3011-15B | 0.83 | 1.17 | FIELD SAMPLE | 3/6/2014 |
| 3012 | 3012-01 | 3012-01A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-01 | 3012-01B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-03 | 3012-03A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-03 | 3012-03B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-04 | 3012-04A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-04 | 3012-04B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-05 | 3012-05A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-05 | 3012-05B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-06 | 3012-06 | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-06 | 3012-06A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-06 | 3012-06B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-07 | 3012-07A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-07 | 3012-07B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-08 | 3012-08A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-08 | 3012-08B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-09 | 3012-09A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-09 | 3012-09B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-10 | 3012-10A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-10 | 3012-10B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-11 | 3012-11A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-11 | 3012-11B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-12 | 3012-12A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-12 | 3012-12B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-13 | 3012-13A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-13 | 3012-13B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-14 | 3012-14A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-14 | 3012-14B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-16 | 3012-16 | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-16 | 3012-16A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-16 | 3012-16B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-17 | 3012-17A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-17 | 3012-17B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-02 | 3012-02A | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-02 | 3012-02B | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-14 | 3012-15A | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 3012 | 3012-14 | 3012-15B | 0.83 | 1.17 | FIELD SAMPLE | 3/5/2014 |
| 3013A | 3013A-01 | 3013A-02A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-01 | 3013A-02B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 3013A | 3013A-03 | 3013A-03 | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-03 | 3013A-03A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-03 | 3013A-03B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-04 | 3013A-04A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-04 | 3013A-04B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-05 | 3013A-05A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-05 | 3013A-05B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-06 | 3013A-06A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-06 | 3013A-06B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-08 | 3013A-08A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-08 | 3013A-08B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-09 | 3013A-09A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-09 | 3013A-09B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-10 | 3013A-10A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-10 | 3013A-10B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-11 | 3013A-11A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-11 | 3013A-11B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-12 | 3013A-12A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-12 | 3013A-12B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-13 | 3013A-13 | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-13 | 3013A-13A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-13 | 3013A-13B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-14 | 3013A-14A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-14 | 3013A-14B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-15 | 3013A-15A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-15 | 3013A-15B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-16 | 3013A-16A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-16 | 3013A-16B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-17 | 3013A-17A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-17 | 3013A-17B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-20 | 3013A-20A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-20 | 3013A-20B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-21 | 3013A-21A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-21 | 3013A-21B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-01 | 3013A-01A | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-01 | 3013A-01B | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-06 | 3013A-07A | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3013A | 3013A-06 | 3013A-07B | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-01 | 3013B-01A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-01 | 3013B-01B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-02 | 3013B-02A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-02 | 3013B-02B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-03 | 3013B-03A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-03 | 3013B-03B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-04 | 3013B-04A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-04 | 3013B-04B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-05 | 3013B-05 | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-05 | 3013B-05A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-05 | 3013B-05B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-06 | 3013B-07A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-06 | 3013B-07B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-08 | 3013B-08A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-08 | 3013B-08B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-09 | 3013B-09A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-09 | 3013B-09B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-10 | 3013B-10A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-10 | 3013B-10B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-13 | 3013B-13A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-13 | 3013B-13B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-14 | 3013B-14A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|--------------------|-----------------------|---------------------|-----------------|----------------|
| 3013B | 3013B-14 | 3013B-14B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-16 | 3013B-16A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-16 | 3013B-16B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-17 | 3013B-17A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-17 | 3013B-17B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-06 | 3013B-06A | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-06 | 3013B-06B | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-14 | 3013B-15 | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-14 | 3013B-15A | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3013B | 3013B-14 | 3013B-15B | 0.83 | 1.17 | FIELD SAMPLE | 3/3/2014 |
| 3015 | XRF-407 | XRF-407a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| 3015 | XRF-407 | XRF-407b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| 3015 | 3013B-11 | 3013B-11A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3015 | 3013B-11 | 3013B-11B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3015 | 3013B-12 | 3013B-12A | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3015 | 3013B-12 | 3013B-12B | 0 | 0.17 | FIELD SAMPLE | 3/3/2014 |
| 3015 | 3015-01 | 3015-01A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-01 | 3015-01B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-03 | 3015-03A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-03 | 3015-03B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-05 | 3015-05A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-05 | 3015-05B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-06 | 3015-06A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-06 | 3015-06B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-07 | 3015-07A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-07 | 3015-07B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-08 | 3015-08 | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-08 | 3015-08A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-08 | 3015-08B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-09 | 3015-09A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-09 | 3015-09B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-10 | 3015-10A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-10 | 3015-10B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-11 | 3015-11A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-11 | 3015-11B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-12 | 3015-12A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-12 | 3015-12B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-13 | 3015-13A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-13 | 3015-13B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-14 | 3015-14A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-14 | 3015-14B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-15 | 3015-15A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-15 | 3015-15B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-16 | 3015-16A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-16 | 3015-16B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-17 | 3015-17A | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-17 | 3015-17B | 0 | 0.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-01 | 3015-02A | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-01 | 3015-02B | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-04 | 3015-04A | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | 3015-04 | 3015-04B | 0.83 | 1.17 | FIELD SAMPLE | 3/26/2014 |
| 3015 | XRF-408 | XRF-408__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| 3015 | XRF-408 | XRF-408a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| 3015 | XRF-408 | XRF-408b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| 303 | 303-02 | 303-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-02 | 303-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-03 | 303-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-03 | 303-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-04 | 303-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-04 | 303-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 303 | 303-05 | 303-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-05 | 303-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-06 | 303-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-06 | 303-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-07 | 303-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-07 | 303-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-08 | 303-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-08 | 303-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-09 | 303-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-09 | 303-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-10 | 303-10A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-10 | 303-10B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-11 | 303-11 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-11 | 303-11A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-11 | 303-11B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-12 | 303-12A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-12 | 303-12B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-13 | 303-13A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-13 | 303-13B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-01 | 303-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-01 | 303-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 303 | 303-01 | 303-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 307 | 307-01 | 307-01A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-01 | 307-01B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-02 | 307-02 | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-02 | 307-02A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-02 | 307-02B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-03 | 307-03A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-03 | 307-03B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-04 | 307-04A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-04 | 307-04B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-05 | 307-05A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-05 | 307-05B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-06 | 307-06A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-06 | 307-06B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-07 | 307-07A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-07 | 307-07B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-08 | 307-08A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-08 | 307-08B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-09 | 307-09A | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-09 | 307-09B | 0 | 0.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-121 | 307-121A | 0 | 0.17 | FIELD DUPLICATE | 5/6/2014 |
| 307 | 307-121 | 307-121B | 0 | 0.17 | FIELD DUPLICATE | 5/6/2014 |
| 307 | 307-121 | 307-21A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 307 | 307-121 | 307-21B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 307 | 307-20 | 307-20A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 307 | 307-20 | 307-20B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 307 | 307-22 | 307-22A | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 307 | 307-22 | 307-22B | 0 | 0.17 | FIELD SAMPLE | 5/6/2014 |
| 307 | 307-10 | 307-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 307 | 307-10 | 307-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/6/2014 |
| 308 | 308-01 | 308-01 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-01 | 308-01A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-01 | 308-01B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-01 | 308-101 | 0 | 0.17 | FIELD DUPLICATE | 2/20/2014 |
| 308 | 308-02 | 308-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-02 | 308-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-03 | 308-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-03 | 308-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-04 | 308-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 308 | 308-04 | 308-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-05 | 308-05A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-05 | 308-05B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-06 | 308-06A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-06 | 308-06B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-07 | 308-07A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-07 | 308-07B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-08 | 308-08A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-08 | 308-08B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-09 | 308-09A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-09 | 308-09B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-10 | 308-10A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-10 | 308-10B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-11 | 308-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 308 | 308-11 | 308-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| 309 | 309-02 | 309-02A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-02 | 309-02B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-03 | 309-03A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-03 | 309-03B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-04 | 309-04A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-04 | 309-04B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-05 | 309-05A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-05 | 309-05B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-06 | 309-06A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-06 | 309-06B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-07 | 309-07A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-07 | 309-07B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-08 | 309-08A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-08 | 309-08B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-09 | 309-09A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-09 | 309-09B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-10 | 309-10 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-10 | 309-10A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-10 | 309-10B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-11 | 309-11A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-11 | 309-11B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-01 | 309-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 309 | 309-01 | 309-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| 310 | 310-01 | 310-01A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-01 | 310-01B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-02 | 310-02A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-02 | 310-02B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-03 | 310-03 | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-03 | 310-03A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-03 | 310-03B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-04 | 310-04A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-04 | 310-04B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-05 | 310-05A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-05 | 310-05B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-06 | 310-06A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-06 | 310-06B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-07 | 310-07A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-07 | 310-07B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-08 | 310-08A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-08 | 310-08B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-09 | 310-09A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-09 | 310-09B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-10 | 310-10A | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-10 | 310-10B | 0 | 0.17 | FIELD SAMPLE | 3/11/2014 |
| 310 | 310-11 | 310-11A | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| 310 | 310-11 | 310-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/11/2014 |
| 311 | 311-01 | 311-01A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-01 | 311-01B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-02 | 311-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-02 | 311-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-03 | 311-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-03 | 311-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-04 | 311-04 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-04 | 311-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-04 | 311-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-05 | 311-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-05 | 311-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-06 | 311-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-06 | 311-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-07 | 311-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-07 | 311-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-08 | 311-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-08 | 311-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-09 | 311-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-09 | 311-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-10 | 311-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-10 | 311-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-11 | 311-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 311 | 311-11 | 311-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| 40W | 40W-001 | 40W-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-002 | 40W-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-003 | 40W-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-004 | 40W-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-005 | 40W-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-006 | 40W-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-007 | 40W-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-008 | 40W-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-009 | 40W-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-010 | 40W-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-011 | 40W-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-012 | 40W-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-013 | 40W-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-014 | 40W-014-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-014 | 40W-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 40W | 40W-015 | 40W-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 45065 | BKG-121 | BKG-121-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-122 | BKG-122-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-123 | BKG-123-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-124 | BKG-124-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-125 | BKG-125-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-126 | BKG-126-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-127 | BKG-127-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-128 | BKG-128-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-129 | BKG-129-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-130 | BKG-130-0-2__5/2/2010 | 0 | 2 | FIELD SAMPLE | 5/2/2010 |
| 45065 | BKG-130 | BKG-930-0-2__5/2/2010 | 0 | 2 | FIELD DUPLICATE | 5/2/2010 |
| 45066 | BKG-501 | BKG-501__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| 45066 | BKG-501 | BKG-9501__1/23/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/23/2012 |
| 45066 | BKG-502 | BKG-502__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| 45066 | BKG-502 | BKG-9502__1/23/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/23/2012 |
| 45066 | BKG-503 | BKG-503__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| 45066 | BKG-504 | BKG-504__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| 45066 | BKG-505 | BKG-505__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| 45066 | BKG-506 | BKG-506__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| 45066 | BKG-507 | BKG-507__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample | Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------|----------------|----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 45066 | | BKG-508 | BKG-508__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-509 | BKG-509__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-510 | BKG-510__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-131 | BKG-131-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-132 | BKG-132-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-133 | BKG-133-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-134 | BKG-134-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-135 | BKG-135-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-136 | BKG-136-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-137 | BKG-137-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-138 | BKG-138-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-139 | BKG-139-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-140 | BKG-140-0-2__5/12/2010 | 0 | 2 | FIELD SAMPLE | 5/12/2010 |
| 45066 | | BKG-140 | BKG-940-0-2__5/12/2010 | 0 | 2 | FIELD DUPLICATE | 5/12/2010 |
| 45066 | | BKG-501 | BKG-501-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-502 | BKG-502-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-503 | BKG-503-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-504 | BKG-504-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-505 | BKG-505-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-506 | BKG-506-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-507 | BKG-507-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-508 | BKG-508-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-509 | BKG-509-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 45066 | | BKG-510 | BKG-510-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| 80J | | 80J-001 | 80J-001-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-002 | 80J-002-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-003 | 80J-003-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-004 | 80J-004-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-005 | 80J-005-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-006 | 80J-006-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-007 | 80J-007-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-008 | 80J-008-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-009 | 80J-009-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-010 | 80J-010-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-011 | 80J-011-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-012 | 80J-012-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-013 | 80J-013-1 | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-013 | 80J-013-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-013 | 80J-113-1 | 0 | 0.17 | FIELD DUPLICATE | 8/13/2013 |
| 80J | | 80J-014 | 80J-014-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-015 | 80J-015-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-016 | 80J-016-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-017 | 80J-017-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-018 | 80J-018-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-019 | 80J-019-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-020 | 80J-020-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-021 | 80J-021-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-022 | 80J-022-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-023 | 80J-023-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-024 | 80J-024-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-025 | 80J-025-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-026 | 80J-026-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-027 | 80J-027-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-028 | 80J-028-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-029 | 80J-029-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-030 | 80J-030-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-031 | 80J-031-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-032 | 80J-032-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| 80J | | 80J-033 | 80J-033-1F | 0 | 0.17 | FIELD SAMPLE | 8/13/2013 |
| O07 | | 07-A | 07-A-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| O07 | 07-B | 07-B-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O07 | 07-B | 07-B-1__8/16/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/16/2005 |
| O07 | 07-C | 07-C-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O07 | 07-D | 07-D-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O07 | 07-E | 07-E-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O07 | 07-F | 07-F-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O07 | 07-G | 07-G-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O07 | 07-H | 07-H-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O07 | 07-I | 07-I-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O07 | 07-E | 07-E-1.5__8/16/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-A | 08-A-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-B | 08-B-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-B | 08-B-1__8/16/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/16/2005 |
| O08 | 08-C | 08-C-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-D | 08-D-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-E | 08-E-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-F | 08-F-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-G | 08-G-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-H | 08-H-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-I | 08-I-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O08 | 08-E | 08-E-1.5__8/16/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/16/2005 |
| O09 | O09-01 | O09-01A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-01 | O09-01B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-02 | O09-02A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-02 | O09-02B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-03 | O09-03A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-03 | O09-03B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-04 | O09-04A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-04 | O09-04B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-05 | O09-05A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-05 | O09-05B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-06 | O09-06A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-06 | O09-06B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-07 | O09-07 | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-07 | O09-07A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-07 | O09-07B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-08 | O09-08A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-08 | O09-08B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-09 | O09-09A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-09 | O09-09B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-10 | O09-10A | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-10 | O09-10B | 0 | 0.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | 09-A | 09-A-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O09 | 09-B | 09-B-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O09 | 09-B | 09-B-1__8/15/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/15/2005 |
| O09 | 09-C | 09-C-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O09 | 09-D | 09-D-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O09 | 09-E | 09-E-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O09 | 09-F | 09-F-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O09 | 09-G | 09-G-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O09 | 09-H | 09-H-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O09 | 09-I | 09-I-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O09 | O09-11 | O09-11A | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | O09-11 | O09-11B | 0.83 | 1.17 | FIELD SAMPLE | 2/7/2014 |
| O09 | 09-E | 09-E-1.5__8/15/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/15/2005 |
| O10 | O10-02 | O10-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-02 | O10-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-03 | O10-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-03 | O10-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-04 | O10-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| O10 | O10-04 | O10-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-05 | O10-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-05 | O10-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-06 | O10-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-06 | O10-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-07 | O10-07 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-07 | O10-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-07 | O10-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-08 | O10-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-08 | O10-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-09 | O10-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-09 | O10-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-10 | O10-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-10 | O10-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-11 | O10-11A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-11 | O10-11B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | 10-A | 10-A-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O10 | 10-B | 10-B-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O10 | 10-B | 10-B-1__8/15/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/15/2005 |
| O10 | 10-C | 10-C-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O10 | 10-D | 10-D-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O10 | 10-E | 10-E-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O10 | 10-F | 10-F-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O10 | 10-G | 10-G-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O10 | 10-H | 10-H-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O10 | 10-I | 10-I-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O10 | O10-01 | O10-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | O10-01 | O10-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| O10 | 10-E | 10-E-1.5__8/15/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/15/2005 |
| O11 | O11-02 | O11-02A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-02 | O11-02B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-03 | O11-03A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-03 | O11-03B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-04 | O11-04A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-04 | O11-04B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-05 | O11-05A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-05 | O11-05B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-06 | O11-06A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-06 | O11-06B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-07 | O11-07A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-07 | O11-07B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-08 | O11-08A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-08 | O11-08B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-09 | O11-09A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-09 | O11-09B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-10 | O11-10A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-10 | O11-10B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-11 | O11-11 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-11 | O11-11A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-11 | O11-11B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | 11-A | 11-A-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O11 | 11-B | 11-B-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O11 | 11-B | 11-B-1__8/15/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/15/2005 |
| O11 | 11-C | 11-C-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O11 | 11-D | 11-D-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O11 | 11-E | 11-E-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O11 | 11-F | 11-F-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O11 | 11-G | 11-G-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O11 | 11-H | 11-H-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O11 | 11-I | 11-I-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| O11 | O11-01 | O11-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-01 | O11-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | O11-01 | O11-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| O11 | 11-E | 11-E-1.5__8/15/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/15/2005 |
| O12 | O12-02 | O12-02A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-02 | O12-02B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-03 | O12-03A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-03 | O12-03B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-04 | O12-04A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-04 | O12-04B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-05 | O12-05A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-05 | O12-05B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-06 | O12-06A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-06 | O12-06B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-07 | O12-07A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-07 | O12-07B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-08 | O12-08 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-08 | O12-08A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-08 | O12-08B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-09 | O12-09A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-09 | O12-09B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-10 | O12-10A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-10 | O12-10B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-11 | O12-11A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-11 | O12-11B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | 12-A | 12-A-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O12 | 12-B | 12-B-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O12 | 12-B | 12-B-1__8/15/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/15/2005 |
| O12 | 12-C | 12-C-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O12 | 12-D | 12-D-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O12 | 12-E | 12-E-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O12 | 12-F | 12-F-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O12 | 12-G | 12-G-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O12 | 12-H | 12-H-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O12 | 12-I | 12-I-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O12 | O12-01 | O12-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | O12-01 | O12-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| O12 | 12-E | 12-E-1.5__8/15/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/15/2005 |
| O12 | 12-E | 12-E-2__8/15/2005 | 1.5 | 1.5 | FIELD DUPLICATE | 8/15/2005 |
| O13 | 13-A | 13-A-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O13 | 13-B | 13-B-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O13 | 13-B | 13-B-1__8/15/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/15/2005 |
| O13 | 13-C | 13-C-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O13 | 13-D | 13-D-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O13 | 13-E | 13-E-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O13 | 13-F | 13-F-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O13 | 13-G | 13-G-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O13 | 13-H | 13-H-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O13 | 13-I | 13-I-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O13 | 13-E | 13-E-1.5__8/15/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/15/2005 |
| O14 | 14-A | 14-A-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O14 | 14-B | 14-B-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O14 | 14-B | 14-B-1__8/15/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/15/2005 |
| O14 | 14-C | 14-C-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O14 | 14-D | 14-D-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O14 | 14-E | 14-E-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O14 | 14-F | 14-F-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O14 | 14-G | 14-G-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O14 | 14-H | 14-H-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O14 | 14-I | 14-I-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |

TABLE K1-1

Samples Used in the Human Health Risk Assessment - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------|-----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| O14 | 14-E | 14-E-1.5__8/15/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-A | 15-A-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-B | 15-B-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-B | 15-B-1__8/15/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/15/2005 |
| O15 | 15-C | 15-C-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-D | 15-D-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-E | 15-E-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-F | 15-F-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-G | 15-G-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-H | 15-H-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-I | 15-I-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O15 | 15-E | 15-E-1.5__8/15/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/15/2005 |
| O16 | XRF-811 | XRF-811__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| O16 | XRF-811 | XRF-811a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| O16 | XRF-811 | XRF-811b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| O16 | XRF-813 | XRF-813a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| O16 | XRF-813 | XRF-813b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| O16 | XRF-815 | XRF-815a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| O16 | XRF-815 | XRF-815b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| O16 | XRF-817 | XRF-817a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| O16 | XRF-817 | XRF-817b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| O16 | 16-A | 16-A-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O16 | 16-B | 16-B-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O16 | 16-B | 16-B-1__8/15/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/15/2005 |
| O16 | 16-C | 16-C-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O16 | 16-D | 16-D-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O16 | 16-E | 16-E-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O16 | 16-F | 16-F-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O16 | 16-G | 16-G-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O16 | 16-H | 16-H-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O16 | 16-I | 16-I-0__8/15/2005 | 0 | 0.2 | FIELD SAMPLE | 8/15/2005 |
| O16 | 16-E | 16-E-1.5__8/15/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/15/2005 |
| O17 | XRF-839 | XRF-839a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| O17 | XRF-839 | XRF-839b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| O17 | XRF-847 | XRF-847a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| O17 | XRF-847 | XRF-847b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| O17 | 17-A | 17-A-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O17 | 17-B | 17-B-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O17 | 17-B | 17-B-1__8/16/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/16/2005 |
| O17 | 17-C | 17-C-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O17 | 17-D | 17-D-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O17 | 17-E | 17-E-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O17 | 17-F | 17-F-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O17 | 17-G | 17-G-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O17 | 17-H | 17-H-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O17 | 17-I | 17-I-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| O17 | OFS-225-5 | OFS-225-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| O17 | XRF-839 | XRF-840a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| O17 | XRF-839 | XRF-840b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| O17 | XRF-847 | XRF-848a__5/20/2013 | 0.91 | 1 | FIELD SAMPLE | 5/20/2013 |
| O17 | XRF-847 | XRF-848b__5/20/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/20/2013 |
| O17 | 17-E | 17-E-1.5__8/16/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/16/2005 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| 1109 | Parcel Group A | XRF-903 | XRF-903a__5/22/2013 | 0 | 0.08 | FIELD SAMPLE | 5/22/2013 |
| 1109 | Parcel Group A | XRF-903 | XRF-903b__5/22/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/22/2013 |
| 1109 | Parcel Group A | XRF-905 | XRF-905b__5/22/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/22/2013 |
| 1109 | Parcel Group A | 1109-01 | 1109-01B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 1109 | Parcel Group A | 1109-02 | 1109-02A | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 1109 | Parcel Group A | 1109-02 | 1109-02B | 0 | 0.17 | FIELD SAMPLE | 2/3/2014 |
| 1109 | Parcel Group A | XRF-903 | XRF-904a__5/22/2013 | 0.91 | 1 | FIELD SAMPLE | 5/22/2013 |
| 1109 | Parcel Group A | XRF-903 | XRF-904b__5/22/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/22/2013 |
| 1109 | Parcel Group A | XRF-905 | XRF-906a__5/23/2013 | 0.91 | 1 | FIELD SAMPLE | 5/23/2013 |
| 1109 | Parcel Group A | XRF-905 | XRF-906b__5/23/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/23/2013 |
| 1110 | Parcel Group A | XRF-899 | XRF-899a__5/22/2013 | 0 | 0.08 | FIELD SAMPLE | 5/22/2013 |
| 1110 | Parcel Group A | XRF-899 | XRF-899b__5/22/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/22/2013 |
| 1110 | Parcel Group A | XRF-907 | XRF-907__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| 1110 | Parcel Group A | XRF-907 | XRF-907a__5/23/2013 | 0 | 0.08 | FIELD SAMPLE | 5/23/2013 |
| 1110 | Parcel Group A | XRF-899 | XRF-900a__5/22/2013 | 0.66 | 0.75 | FIELD SAMPLE | 5/22/2013 |
| 1110 | Parcel Group A | XRF-899 | XRF-900b__5/22/2013 | 0.66 | 0.75 | FIELD DUPLICATE | 5/22/2013 |
| 1110 | Parcel Group A | XRF-907 | XRF-908a__5/23/2013 | 0.91 | 1 | FIELD SAMPLE | 5/23/2013 |
| 1110 | Parcel Group A | XRF-907 | XRF-908b__5/23/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/23/2013 |
| 1111 | Parcel Group A | 1111-01 | 1111-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1111 | Parcel Group A | 1111-01 | 1111-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1111 | Parcel Group A | 1111-02 | 1111-02 | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1111 | Parcel Group A | 1111-02 | 1111-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1111 | Parcel Group A | 1111-02 | 1111-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1111 | Parcel Group A | 1111-03 | 1111-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1111 | Parcel Group A | 1111-04 | 1111-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1112 | Parcel Group A | 1112-01 | 1112-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1112 | Parcel Group A | 1112-01 | 1112-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1112 | Parcel Group A | 1112-02 | 1112-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1112 | Parcel Group A | 1112-03 | 1112-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1112 | Parcel Group A | 1112-03 | 1112-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1112 | Parcel Group A | 1112-04 | 1112-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1112 | Parcel Group A | 1112-04 | 1112-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1113 | Parcel Group A | XRF-895 | XRF-895a__5/22/2013 | 0 | 0.08 | FIELD SAMPLE | 5/22/2013 |
| 1113 | Parcel Group A | XRF-895 | XRF-896a__5/28/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/28/2013 |
| 1113 | Parcel Group A | XRF-895 | XRF-896b__5/28/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/28/2013 |
| 1114 | Parcel Group A | 1114-01 | 1114-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1114 | Parcel Group A | 1114-01 | 1114-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1114 | Parcel Group A | 1114-02 | 1114-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1114 | Parcel Group A | 1114-02 | 1114-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1114 | Parcel Group A | 1114-03 | 1114-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1114 | Parcel Group A | 1114-03 | 1114-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|----------------------------|-----------------------|---------------------|-----------------|----------------|
| 1114 | Parcel Group A | 1114-04 | 1114-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1114 | Parcel Group A | 1114-04 | 1114-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1114 | Parcel Group A | XRF-891 | XRF-892deepa__5/22/2013 | 0.16 | 0.25 | FIELD SAMPLE | 5/22/2013 |
| 1114 | Parcel Group A | XRF-891 | XRF-892middle b__5/22/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/22/2013 |
| 1116 | Parcel Group A | 1116-01 | 1116-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1116 | Parcel Group A | 1116-01 | 1116-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1116 | Parcel Group A | 1116-02 | 1116-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1116 | Parcel Group A | 1116-02 | 1116-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1116 | Parcel Group A | 1116-03 | 1116-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1116 | Parcel Group A | 1116-03 | 1116-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1119 | Parcel Group A | 1119-01 | 1119-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1119 | Parcel Group A | 1119-01 | 1119-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1119 | Parcel Group A | 1119-02 | 1119-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1119 | Parcel Group A | 1119-02 | 1119-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1119 | Parcel Group A | 1119-03 | 1119-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1119 | Parcel Group A | 1119-03 | 1119-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1121 | Parcel Group A | 1121-01 | 1121-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1121 | Parcel Group A | 1121-01 | 1121-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1121 | Parcel Group A | 1121-02 | 1121-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1121 | Parcel Group A | 1121-02 | 1121-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1121 | Parcel Group A | 1121-03 | 1121-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1121 | Parcel Group A | 1121-03 | 1121-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1121 | Parcel Group A | 1121-04 | 1121-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1121 | Parcel Group A | 1121-04 | 1121-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1122 | Parcel Group A | 1122-01 | 1122-01A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1122 | Parcel Group A | 1122-01 | 1122-01B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1122 | Parcel Group A | 1122-02 | 1122-02 | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1122 | Parcel Group A | 1122-03 | 1122-03B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1122 | Parcel Group A | 1122-04 | 1122-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1122 | Parcel Group A | 1122-04 | 1122-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1123 | Parcel Group A | XRF-889 | XRF-889a__5/28/2013 | 0 | 0.08 | FIELD SAMPLE | 5/28/2013 |
| 1123 | Parcel Group A | XRF-889 | XRF-889b__5/28/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/28/2013 |
| 1123 | Parcel Group A | 1123-01 | 1123-01 | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1123 | Parcel Group A | 1123-01 | 1123-101 | 0 | 0.17 | FIELD DUPLICATE | 2/4/2014 |
| 1123 | Parcel Group A | 1123-02 | 1123-02A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1123 | Parcel Group A | 1123-02 | 1123-02B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1123 | Parcel Group A | 1123-03 | 1123-03A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1123 | Parcel Group A | 1123-04 | 1123-04A | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1123 | Parcel Group A | 1123-04 | 1123-04B | 0 | 0.17 | FIELD SAMPLE | 2/4/2014 |
| 1123 | Parcel Group A | XRF-889 | XRF-890a__5/22/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/22/2013 |
| 1123 | Parcel Group A | XRF-889 | XRF-890b__5/22/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/22/2013 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| 1201 | Parcel Group B | 1201-01 | 1201-01A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1201 | Parcel Group B | 1201-01 | 1201-01B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1201 | Parcel Group B | 1201-02 | 1201-02A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1201 | Parcel Group B | 1201-02 | 1201-02B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1201 | Parcel Group B | 1201-03 | 1201-03A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1201 | Parcel Group B | 1201-03 | 1201-03B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1201 | Parcel Group B | 1201-04 | 1201-04A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1201 | Parcel Group B | 1201-04 | 1201-04B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1201 | Parcel Group B | 1201-05 | 1201-05B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1201 | Parcel Group B | 1201-06 | 1201-06A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1203 | Parcel Group B | 1203-01 | 1203-01A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1203 | Parcel Group B | 1203-01 | 1203-01B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1203 | Parcel Group B | 1203-02 | 1203-02A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1203 | Parcel Group B | 1203-02 | 1203-02B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1203 | Parcel Group B | 1203-03 | 1203-03A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1203 | Parcel Group B | 1203-03 | 1203-03B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1203 | Parcel Group B | 1203-04 | 1203-04A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1203 | Parcel Group B | 1203-04 | 1203-04B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1206 | Parcel Group B | 1206-01 | 1206-01B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1206 | Parcel Group B | 1206-02 | 1206-02A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1206 | Parcel Group B | 1206-02 | 1206-02B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1206 | Parcel Group B | 1206-03 | 1206-03 | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1206 | Parcel Group B | 1206-04 | 1206-04A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1206 | Parcel Group B | 1206-04 | 1206-04B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1208 | Parcel Group B | 1208-01 | 1208-01A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1208 | Parcel Group B | 1208-01 | 1208-01B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1208 | Parcel Group B | 1208-02 | 1208-02A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1208 | Parcel Group B | 1208-02 | 1208-02B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1208 | Parcel Group B | 1208-03 | 1208-03A | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 1208 | Parcel Group B | 1208-03 | 1208-03B | 0 | 0.17 | FIELD SAMPLE | 1/22/2014 |
| 42269W | Parcel Group B | XRF-965 | XRF-965a__5/28/2013 | 0 | 0.08 | FIELD SAMPLE | 5/28/2013 |
| 42269W | Parcel Group B | XRF-965 | XRF-965b__5/28/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/28/2013 |
| 42269W | Parcel Group B | XRF-965 | XRF-966a__5/28/2013 | 0.91 | 1 | FIELD SAMPLE | 5/28/2013 |
| 42269W | Parcel Group B | XRF-965 | XRF-966b__5/28/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/28/2013 |
| 1301 | Parcel Group C | 1301-01 | 1301-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1301 | Parcel Group C | 1301-01 | 1301-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1301 | Parcel Group C | 1301-02 | 1301-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1301 | Parcel Group C | 1301-02 | 1301-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1301 | Parcel Group C | 1301-03 | 1301-03 | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1302 | Parcel Group C | 1302-01 | 1302-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1302 | Parcel Group C | 1302-01 | 1302-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample | | | | Start Depth | End Depth | | Sample |
|----------------|-----------------|----------|---------------------|-------------|-----------|-----------------|-----------|
| Property Group | EPA Letter Area | Point ID | Sample ID | (feet) | (feet) | Type | Date |
| 1302 | Parcel Group C | 1302-02 | 1302-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1302 | Parcel Group C | 1302-02 | 1302-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1302 | Parcel Group C | 1302-03 | 1302-03A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1302 | Parcel Group C | 1302-03 | 1302-03B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1302 | Parcel Group C | 1302-04 | 1302-04A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1302 | Parcel Group C | 1302-04 | 1302-04B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1303 | Parcel Group C | XRF-693 | XRF-693a__5/30/2013 | 0 | 0.08 | FIELD SAMPLE | 5/30/2013 |
| 1303 | Parcel Group C | XRF-693 | XRF-693b__5/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/30/2013 |
| 1303 | Parcel Group C | XRF-695 | XRF-695__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| 1303 | Parcel Group C | XRF-697 | XRF-697a__5/31/2013 | 0 | 0.08 | FIELD SAMPLE | 5/31/2013 |
| 1303 | Parcel Group C | 1303-01 | 1303-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1303 | Parcel Group C | 1303-01 | 1303-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1303 | Parcel Group C | 1303-02 | 1303-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1303 | Parcel Group C | 1303-02 | 1303-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1303 | Parcel Group C | 1303-03 | 1303-03B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1303 | Parcel Group C | XRF-693 | XRF-694a__5/31/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/31/2013 |
| 1303 | Parcel Group C | XRF-693 | XRF-694b__5/31/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/31/2013 |
| 1303 | Parcel Group C | XRF-695 | XRF-696a__5/1/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/1/2013 |
| 1303 | Parcel Group C | XRF-695 | XRF-696b__5/1/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/1/2013 |
| 1303 | Parcel Group C | XRF-697 | XRF-698a__5/15/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/15/2013 |
| 1303 | Parcel Group C | XRF-697 | XRF-698b__5/15/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/15/2013 |
| 1304 | Parcel Group C | 1304-01 | 1304-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1304 | Parcel Group C | 1304-01 | 1304-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1304 | Parcel Group C | 1304-02 | 1304-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1304 | Parcel Group C | 1304-02 | 1304-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1304 | Parcel Group C | 1304-03 | 1304-03A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1304 | Parcel Group C | 1304-03 | 1304-03B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1305 | Parcel Group C | 1305-01 | 1305-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1305 | Parcel Group C | 1305-01 | 1305-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1305 | Parcel Group C | 1305-02 | 1305-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1305 | Parcel Group C | 1305-02 | 1305-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-01 | 1308-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-02 | 1308-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-02 | 1308-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-03 | 1308-03A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-03 | 1308-03B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-04 | 1308-04A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-04 | 1308-04B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-05 | 1308-05A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-05 | 1308-05B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1308 | Parcel Group C | 1308-06 | 1308-06 | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1312 | Parcel Group C | 1312-01 | 1312-01 | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-02 | 1312-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-02 | 1312-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-03 | 1312-03A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-03 | 1312-03B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-04 | 1312-04A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-04 | 1312-04B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-05 | 1312-05A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-05 | 1312-05B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-06 | 1312-06A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1312 | Parcel Group C | 1312-06 | 1312-06B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1316 | Parcel Group C | 1316-01 | 1316-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1316 | Parcel Group C | 1316-01 | 1316-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1316 | Parcel Group C | 1316-02 | 1316-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1316 | Parcel Group C | 1316-02 | 1316-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1319 | Parcel Group C | 1319-01 | 1319-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1319 | Parcel Group C | 1319-02 | 1319-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1319 | Parcel Group C | 1319-02 | 1319-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1324 | Parcel Group C | 1324-01 | 1324-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1324 | Parcel Group C | 1324-01 | 1324-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1324 | Parcel Group C | 1324-02 | 1324-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1324 | Parcel Group C | 1324-02 | 1324-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1325 | Parcel Group C | 1325-01 | 1325-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1325 | Parcel Group C | 1325-01 | 1325-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1325 | Parcel Group C | 1325-02 | 1325-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1325 | Parcel Group C | 1325-02 | 1325-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1327 | Parcel Group C | 1327-01 | 1327-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1327 | Parcel Group C | 1327-01 | 1327-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1327 | Parcel Group C | 1327-02 | 1327-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1328 | Parcel Group C | 1328-01 | 1328-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1328 | Parcel Group C | 1328-01 | 1328-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1328 | Parcel Group C | 1328-02 | 1328-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1328 | Parcel Group C | 1328-02 | 1328-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1339 | Parcel Group C | 1339-01 | 1339-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1339 | Parcel Group C | 1339-01 | 1339-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1339 | Parcel Group C | 1339-02 | 1339-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1339 | Parcel Group C | 1339-02 | 1339-02B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1340 | Parcel Group C | 1340-01 | 1340-01A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1340 | Parcel Group C | 1340-01 | 1340-01B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1340 | Parcel Group C | 1340-02 | 1340-02 | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1340 | Parcel Group C | 1340-03 | 1340-03A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1340 | Parcel Group C | 1340-03 | 1340-03B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1341 | Parcel Group C | 1341-01 | 1341-01 | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1341 | Parcel Group C | 1341-02 | 1341-02A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1341 | Parcel Group C | 1341-03 | 1341-03A | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1341 | Parcel Group C | 1341-03 | 1341-03B | 0 | 0.17 | FIELD SAMPLE | 1/23/2014 |
| 1401 | Parcel Group D | 1401-01 | 1401-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1401 | Parcel Group D | 1401-01 | 1401-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1401 | Parcel Group D | 1401-02 | 1401-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1401 | Parcel Group D | 1401-02 | 1401-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1401 | Parcel Group D | 1401-03 | 1401-03 | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411A | Parcel Group D | 1411A-01 | 1411A-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411A | Parcel Group D | 1411A-01 | 1411A-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411A | Parcel Group D | 1411A-02 | 1411A-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411A | Parcel Group D | 1411A-02 | 1411A-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411A | Parcel Group D | 1411A-03 | 1411A-03A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411A | Parcel Group D | 1411A-03 | 1411A-03B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411B | Parcel Group D | 1411B-01 | 1411B-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411B | Parcel Group D | 1411B-01 | 1411B-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411B | Parcel Group D | 1411B-02 | 1411B-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1411B | Parcel Group D | 1411B-02 | 1411B-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1417 | Parcel Group D | 1417-01 | 1417-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1417 | Parcel Group D | 1417-01 | 1417-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1417 | Parcel Group D | 1417-02 | 1417-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1417 | Parcel Group D | 1417-02 | 1417-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1417 | Parcel Group D | 1417-03 | 1417-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1417 | Parcel Group D | 1417-03 | 1417-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1418 | Parcel Group D | 1418-01 | 1418-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1418 | Parcel Group D | 1418-01 | 1418-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1418 | Parcel Group D | 1418-02 | 1418-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1418 | Parcel Group D | 1418-03 | 1418-03A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1418 | Parcel Group D | 1418-03 | 1418-03B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1418 | Parcel Group D | 1418-04 | 1418-04A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1418 | Parcel Group D | 1418-04 | 1418-04B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1420 | Parcel Group D | 1420-01 | 1420-01B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 1420 | Parcel Group D | 1420-02 | 1420-02A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 1420 | Parcel Group D | 1420-02 | 1420-02B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 1420 | Parcel Group D | 1420-03 | 1420-03A | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 1420 | Parcel Group D | 1420-03 | 1420-03B | 0 | 0.17 | FIELD SAMPLE | 2/5/2014 |
| 1421 | Parcel Group D | 1421-01 | 1421-01A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 1421 | Parcel Group D | 1421-01 | 1421-01B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 1421 | Parcel Group D | 1421-02 | 1421-02A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|-----------|-----------------------|---------------------|-----------------|----------------|
| 1421 | Parcel Group D | 1421-02 | 1421-02B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 1421 | Parcel Group D | 1421-03 | 1421-03A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 1421 | Parcel Group D | 1421-03 | 1421-03B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 1421 | Parcel Group D | 1421-04 | 1421-04A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 1421 | Parcel Group D | 1421-04 | 1421-04B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| 1422 | Parcel Group D | 1423B-01 | 1423B-01 | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1422 | Parcel Group D | 1423B-01 | 1423B-101 | 0 | 0.17 | FIELD DUPLICATE | 1/24/2014 |
| 1422 | Parcel Group D | 1423B-02 | 1423B-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1422 | Parcel Group D | 1423B-02 | 1423B-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1423 | Parcel Group D | 1423A-01 | 1423A-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1423 | Parcel Group D | 1423A-02 | 1423A-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1423 | Parcel Group D | 1423A-02 | 1423A-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1423 | Parcel Group D | 1423A-03 | 1423A-03A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1424 | Parcel Group D | 1424-01 | 1424-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1424 | Parcel Group D | 1424-01 | 1424-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1424 | Parcel Group D | 1424-02 | 1424-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1424 | Parcel Group D | 1424-03 | 1424-03A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1424 | Parcel Group D | 1424-03 | 1424-03B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426A | Parcel Group D | 1426A-01 | 1426A-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426A | Parcel Group D | 1426A-01 | 1426A-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426A | Parcel Group D | 1426A-02 | 1426A-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426A | Parcel Group D | 1426A-02 | 1426A-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426A | Parcel Group D | 1426A-03 | 1426A-03A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426A | Parcel Group D | 1426A-03 | 1426A-03B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426A | Parcel Group D | 1426A-04 | 1426A-04A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426A | Parcel Group D | 1426A-04 | 1426A-04B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426B | Parcel Group D | 1426B-02 | 1426B-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426B | Parcel Group D | 1426B-02 | 1426B-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426B | Parcel Group D | 1426B-03 | 1426B-03A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426B | Parcel Group D | 1426B-03 | 1426B-03B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426B | Parcel Group D | 1426B-04 | 1426B-04B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426B | Parcel Group D | 1426B-05 | 1426B-05A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426B | Parcel Group D | 1426B-05 | 1426B-05B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426B | Parcel Group D | 1426B-06 | 1426B-06A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D | 1426B-06 | 1426B-06B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1429 | Parcel Group D | 1429-01 | 1429-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1429 | Parcel Group D | 1429-01 | 1429-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1429 | Parcel Group D | 1429-02 | 1429-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1429 | Parcel Group D | 1429-02 | 1429-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1431 | Parcel Group D | 1431-01 | 1431-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1431 | Parcel Group D | 1431-01 | 1431-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|------------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| 1431 | Parcel Group D | 1431-02 | 1431-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1431 | Parcel Group D | 1431-02 | 1431-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 250 | Parcel Group D | OFS-250-1 | OFS-250-1__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-1 | OFS-850-1__5/12/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-2 | OFS-250-2__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-3 | OFS-250-3__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-4 | OFS-250-4__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-5 | OFS-250-5__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-6 | OFS-250-6__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-7 | OFS-250-7__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-8 | OFS-250-8__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-9 | OFS-250-9__5/12/2010 | 0 | 0.2 | FIELD SAMPLE | 5/12/2010 |
| 250 | Parcel Group D | OFS-250-1 | OFS-250-1-A__5/12/2010 | 0.8 | 1 | FIELD SAMPLE | 5/12/2010 |
| 1426B | Parcel Group D Hotspot | 1426B-01 | 1426B-01 | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-C1 | 1426B-C1A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-C1 | 1426B-C1B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-C2 | 1426B-C2 | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-T1 | 1426B-T1A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-T1 | 1426B-T1B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-T2 | 1426B-T2A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-T2 | 1426B-T2B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-T3 | 1426B-T3A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-T3 | 1426B-T3B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1426B | Parcel Group D Hotspot | 1426B-T4 | 1426B-T4B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1502 | Parcel Group E | 1502-01 | 1502-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1502 | Parcel Group E | 1502-01 | 1502-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1502 | Parcel Group E | 1502-02 | 1502-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1502 | Parcel Group E | 1502-02 | 1502-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1503 | Parcel Group E | 1503-01 | 1503-01A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1503 | Parcel Group E | 1503-01 | 1503-01B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1503 | Parcel Group E | 1503-02 | 1503-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1503 | Parcel Group E | 1503-02 | 1503-02B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1504 | Parcel Group E | 1504-01 | 1504-01A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1504 | Parcel Group E | 1504-01 | 1504-01B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1504 | Parcel Group E | 1504-02 | 1504-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1504 | Parcel Group E | 1504-02 | 1504-02B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1506 | Parcel Group E | 1506-01 | 1506-01A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1506 | Parcel Group E | 1506-01 | 1506-01B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1506 | Parcel Group E | 1506-02 | 1506-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1506 | Parcel Group E | 1506-02 | 1506-02B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1507 | Parcel Group E | 1507-01 | 1507-01 | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1507 | Parcel Group E | 1507-02 | 1507-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1507 | Parcel Group E | 1507-02 | 1507-02B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1507 | Parcel Group E | 1507-03 | 1507-03A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1507 | Parcel Group E | 1507-03 | 1507-03B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1511 | Parcel Group E | 1511-01 | 1511-01A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1511 | Parcel Group E | 1511-01 | 1511-01B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1511 | Parcel Group E | 1511-02 | 1511-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1511 | Parcel Group E | 1511-02 | 1511-02B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1513 | Parcel Group E | 1513-01 | 1513-01A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1513 | Parcel Group E | 1513-01 | 1513-01B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1513 | Parcel Group E | 1513-02 | 1513-02A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1513 | Parcel Group E | 1513-02 | 1513-02B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1513 | Parcel Group E | 1513-03 | 1513-03A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1513 | Parcel Group E | 1513-03 | 1513-03B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1515 | Parcel Group E | 1515-01 | 1515-01A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1515 | Parcel Group E | 1515-01 | 1515-01B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1515 | Parcel Group E | 1515-02 | 1515-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1515 | Parcel Group E | 1515-02 | 1515-02B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1517 | Parcel Group E | 1517-01 | 1517-01A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1517 | Parcel Group E | 1517-01 | 1517-01B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1517 | Parcel Group E | 1517-02 | 1517-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1517 | Parcel Group E | 1517-02 | 1517-02B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1518 | Parcel Group E | 1518-01 | 1518-01 | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1518 | Parcel Group E | 1518-02 | 1518-02A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1518 | Parcel Group E | 1518-02 | 1518-02B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1519 | Parcel Group E | 1519-01 | 1519-01A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1519 | Parcel Group E | 1519-01 | 1519-01B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1519 | Parcel Group E | 1519-02 | 1519-02A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1519 | Parcel Group E | 1519-02 | 1519-02B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1520 | Parcel Group E | 1520-01 | 1520-01A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1520 | Parcel Group E | 1520-01 | 1520-01B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1520 | Parcel Group E | 1520-02 | 1520-02 | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1522 | Parcel Group E | 1522-01 | 1522-01A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1522 | Parcel Group E | 1522-01 | 1522-01B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1522 | Parcel Group E | 1522-02 | 1522-02A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1522 | Parcel Group E | 1522-02 | 1522-02B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1527 | Parcel Group E | 1527-01 | 1527-01A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1527 | Parcel Group E | 1527-01 | 1527-01B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1527 | Parcel Group E | 1527-02 | 1527-02A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1527 | Parcel Group E | 1527-02 | 1527-02B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1528 | Parcel Group E | 1528-01 | 1528-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1528 | Parcel Group E | 1528-01 | 1528-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1528 | Parcel Group E | 1528-02 | 1528-02 | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1530 | Parcel Group E | 1530-01 | 1530-01A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1530 | Parcel Group E | 1530-02 | 1530-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1530 | Parcel Group E | 1530-02 | 1530-02B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1531 | Parcel Group E | 1531-01 | 1531-01B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1531 | Parcel Group E | 1531-02 | 1531-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1531 | Parcel Group E | 1531-02 | 1531-02B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1532 | Parcel Group E | 1532-01 | 1532-01A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1532 | Parcel Group E | 1532-01 | 1532-01B | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1532 | Parcel Group E | 1532-02 | 1532-02A | 0 | 0.17 | FIELD SAMPLE | 1/25/2014 |
| 1624 | Parcel Group E | 1624-02 | 1624-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1624 | Parcel Group E | 1624-02 | 1624-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1601 | Parcel Group F | 1601-01 | 1601-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1601 | Parcel Group F | 1601-02 | 1601-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1601 | Parcel Group F | 1601-02 | 1601-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1602 | Parcel Group F | 1602-01 | 1602-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1602 | Parcel Group F | 1602-01 | 1602-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1602 | Parcel Group F | 1602-02 | 1602-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1602 | Parcel Group F | 1602-02 | 1602-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1603 | Parcel Group F | 1603-01 | 1603-01A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 1603 | Parcel Group F | 1603-01 | 1603-01B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 1603 | Parcel Group F | 1603-02 | 1603-02A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 1603 | Parcel Group F | 1603-02 | 1603-02B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 1604 | Parcel Group F | 1604-01 | 1604-01 | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1604 | Parcel Group F | 1604-02 | 1604-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1604 | Parcel Group F | 1604-02 | 1604-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1604 | Parcel Group F | 1604-03 | 1604-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1604 | Parcel Group F | 1604-03 | 1604-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1605 | Parcel Group F | 1605-01 | 1605-01A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 1605 | Parcel Group F | 1605-01 | 1605-01B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 1605 | Parcel Group F | 1605-02 | 1605-02A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 1605 | Parcel Group F | 1605-02 | 1605-02B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| 1608 | Parcel Group F | 1608-01 | 1608-01 | 0 | 0.17 | FIELD SAMPLE | 1/29/2014 |
| 1608 | Parcel Group F | 1608-02 | 1608-02A | 0 | 0.17 | FIELD SAMPLE | 1/29/2014 |
| 1608 | Parcel Group F | 1608-02 | 1608-02B | 0 | 0.17 | FIELD SAMPLE | 1/29/2014 |
| 1610 | Parcel Group F | 1610-01 | 1610-01B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 1610 | Parcel Group F | 1610-02 | 1610-02A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 1610 | Parcel Group F | 1610-02 | 1610-02B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 1611 | Parcel Group F | 1611-01 | 1611-01A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 1611 | Parcel Group F | 1611-01 | 1611-01B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1611 | Parcel Group F | 1611-02 | 1611-02A | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 1611 | Parcel Group F | 1611-02 | 1611-02B | 0 | 0.17 | FIELD SAMPLE | 3/5/2014 |
| 1612 | Parcel Group F | 1612-01 | 1612-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1612 | Parcel Group F | 1612-01 | 1612-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1612 | Parcel Group F | 1612-02 | 1612-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1612 | Parcel Group F | 1612-02 | 1612-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1613 | Parcel Group F | 1613-01 | 1613-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1613 | Parcel Group F | 1613-01 | 1613-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1613 | Parcel Group F | 1613-02 | 1613-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1613 | Parcel Group F | 1613-02 | 1613-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1618 | Parcel Group F | 1618-01 | 1618-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1618 | Parcel Group F | 1618-01 | 1618-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1618 | Parcel Group F | 1618-02 | 1618-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1618 | Parcel Group F | 1618-02 | 1618-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1619 | Parcel Group F | 1619-01 | 1619-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1619 | Parcel Group F | 1619-01 | 1619-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1619 | Parcel Group F | 1619-02 | 1619-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1619 | Parcel Group F | 1619-02 | 1619-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1620 | Parcel Group F | 1620-01 | 1620-01B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 1620 | Parcel Group F | 1620-02 | 1620-02A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 1620 | Parcel Group F | 1620-02 | 1620-02B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| 1621A | Parcel Group F | 1621A-01 | 1621A-01 | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1621A | Parcel Group F | 1621A-02 | 1621A-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1621A | Parcel Group F | 1621A-02 | 1621A-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1621B | Parcel Group F | 1621B-01 | 1621B-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1621B | Parcel Group F | 1621B-01 | 1621B-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1621B | Parcel Group F | 1621B-02 | 1621B-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1621B | Parcel Group F | 1621B-02 | 1621B-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1624 | Parcel Group F | 1624-01 | 1624-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1624 | Parcel Group F | 1624-01 | 1624-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1703 | Parcel Group G | 1703-01 | 1703-01A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1703 | Parcel Group G | 1703-01 | 1703-01B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1703 | Parcel Group G | 1703-02 | 1703-02A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1703 | Parcel Group G | 1703-03 | 1703-03A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1703 | Parcel Group G | 1703-03 | 1703-03B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1703 | Parcel Group G | 1703-04 | 1703-04B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1703 | Parcel Group G | 1703-05 | 1703-05A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1703 | Parcel Group G | 1703-05 | 1703-05B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1704 | Parcel Group G | 1704-01 | 1704-01A | 0 | 0.17 | FIELD SAMPLE | 1/29/2014 |
| 1704 | Parcel Group G | 1704-01 | 1704-01B | 0 | 0.17 | FIELD SAMPLE | 1/29/2014 |
| 1704 | Parcel Group G | 1704-02 | 1704-02A | 0 | 0.17 | FIELD SAMPLE | 1/29/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1704 | Parcel Group G | 1704-02 | 1704-02B | 0 | 0.17 | FIELD SAMPLE | 1/29/2014 |
| 1704 | Parcel Group G | 1704-03 | 1704-03A | 0 | 0.17 | FIELD SAMPLE | 1/29/2014 |
| 1704 | Parcel Group G | 1704-03 | 1704-03B | 0 | 0.17 | FIELD SAMPLE | 1/29/2014 |
| 1705 | Parcel Group G | 1705-01 | 1705-01A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1705 | Parcel Group G | 1705-01 | 1705-01B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1705 | Parcel Group G | 1705-02 | 1705-02B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1705 | Parcel Group G | 1705-03 | 1705-03A | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1705 | Parcel Group G | 1705-03 | 1705-03B | 0 | 0.17 | FIELD SAMPLE | 1/27/2014 |
| 1706 | Parcel Group G | 1706-01 | 1706-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1706 | Parcel Group G | 1706-01 | 1706-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1706 | Parcel Group G | 1706-02 | 1706-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1706 | Parcel Group G | 1706-02 | 1706-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1706 | Parcel Group G | 1706-03 | 1706-03 | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1710 | Parcel Group G | 1710-01 | 1710-01A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1710 | Parcel Group G | 1710-01 | 1710-01B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1710 | Parcel Group G | 1710-02 | 1710-02A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1710 | Parcel Group G | 1710-02 | 1710-02B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1710 | Parcel Group G | 1710-03 | 1710-03A | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1710 | Parcel Group G | 1710-03 | 1710-03B | 0 | 0.17 | FIELD SAMPLE | 1/24/2014 |
| 1801 | Parcel Group H | 1801-01 | 1801-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1801 | Parcel Group H | 1801-01 | 1801-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1801 | Parcel Group H | 1801-02 | 1801-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1801 | Parcel Group H | 1801-02 | 1801-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1801 | Parcel Group H | 1801-03 | 1801-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1801 | Parcel Group H | 1801-03 | 1801-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1801 | Parcel Group H | 1801-04 | 1801-04 | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1804 | Parcel Group H | 1804-01 | 1804-01A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 1804 | Parcel Group H | 1804-01 | 1804-01B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 1804 | Parcel Group H | 1804-02 | 1804-02 | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 1804 | Parcel Group H | 1804-03 | 1804-03A | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 1804 | Parcel Group H | 1804-03 | 1804-03B | 0 | 0.17 | FIELD SAMPLE | 1/30/2014 |
| 1806 | Parcel Group H | 1806-01 | 1806-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1806 | Parcel Group H | 1806-01 | 1806-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1806 | Parcel Group H | 1806-02 | 1806-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1806 | Parcel Group H | 1806-02 | 1806-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1806 | Parcel Group H | 1806-03 | 1806-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1806 | Parcel Group H | 1806-03 | 1806-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1806 | Parcel Group H | 1806-04 | 1806-04A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1806 | Parcel Group H | 1806-04 | 1806-04B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1807 | Parcel Group H | 1807-01 | 1807-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1807 | Parcel Group H | 1807-01 | 1807-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |

TABLE K1-2

Samples Used in the Human Health Risk Assessment - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Final Sample Property Group | EPA Letter Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--------------------------------|-----------------|----------|-----------|-----------------------|---------------------|--------------|----------------|
| 1807 | Parcel Group H | 1807-02 | 1807-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1807 | Parcel Group H | 1807-02 | 1807-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1807 | Parcel Group H | 1807-03 | 1807-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1807 | Parcel Group H | 1807-03 | 1807-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1807 | Parcel Group H | 1807-04 | 1807-04A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1807 | Parcel Group H | 1807-04 | 1807-04B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1809 | Parcel Group H | 1809-01 | 1809-01A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1809 | Parcel Group H | 1809-01 | 1809-01B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1809 | Parcel Group H | 1809-02 | 1809-02A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1809 | Parcel Group H | 1809-02 | 1809-02B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1809 | Parcel Group H | 1809-03 | 1809-03A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1809 | Parcel Group H | 1809-03 | 1809-03B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1809 | Parcel Group H | 1809-04 | 1809-04A | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |
| 1809 | Parcel Group H | 1809-04 | 1809-04B | 0 | 0.17 | FIELD SAMPLE | 1/28/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | | Start Depth | End Depth | Type | Sample Date |
|-----------------------------------|----------------|------------|--------------------------|-------------|-----------|-----------------|-------------|
| | Property Group | Point ID | Sample ID | (feet) | (feet) | | |
| NR13 Smelter East of River | 411001 | XRF-629 | XRF-629b__5/10/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/10/2013 |
| NR13 Smelter East of River | 411001 | XRF-629 | XRF-630a__5/10/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/10/2013 |
| NR13 Smelter East of River | 411001 | XRF-629 | XRF-630b__5/10/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/10/2013 |
| NR13 Smelter East of River | 411001 | XRF-631 | XRF-631a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| NR13 Smelter East of River | 411001 | XRF-631 | XRF-631b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| NR13 Smelter East of River | 411001 | XRF-631 | XRF-632a__5/10/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/10/2013 |
| NR13 Smelter East of River | 411001 | XRF-631 | XRF-632b__5/10/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/10/2013 |
| NR13 Smelter East of River | 411044 | XRF-622 | XRF-622__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR13 Smelter East of River | 411044 | XRF-622 | XRF-622a__5/10/2013 | 0 | 0.08 | FIELD SAMPLE | 5/10/2013 |
| NR13 Smelter East of River | 411044 | XRF-622 | XRF-622b__5/10/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/10/2013 |
| NR13 Smelter East of River | 411044 | XRF-622 | XRF-623a__5/30/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/30/2013 |
| NR13 Smelter East of River | 411044 | XRF-625 | XRF-625a__5/10/2013 | 0 | 0.08 | FIELD SAMPLE | 5/10/2013 |
| NR13 Smelter East of River | 411044 | XRF-625 | XRF-625b__5/10/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/10/2013 |
| NR13 Smelter East of River | 411044 | XRF-625 | XRF-626a__5/30/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/30/2013 |
| NR13 Smelter East of River | 411044 | XRF-625 | XRF-626b__5/30/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/30/2013 |
| NR13 Smelter East of River | 411044 | XRF-627 | XRF-627a__5/10/2013 | 0 | 0.08 | FIELD SAMPLE | 5/10/2013 |
| NR13 Smelter East of River | 411044 | XRF-627 | XRF-627b__5/10/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/10/2013 |
| NR13 Smelter East of River | 411044 | XRF-627 | XRF-628a__5/10/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/10/2013 |
| NR19 North of Main Tailings Pile | 41007G | IKJ-513 | IKJ-513-0-2__9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR19 North of Main Tailings Pile | 41007G | IKJ-514 | IKJ-514-0-2__9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR19 North of Main Tailings Pile | 41007G | IKJ-542 | IKJ-542-0-2__9/10/2008 | 0 | 2 | FIELD SAMPLE | 9/10/2008 |
| NR19 North of Main Tailings Pile | 41007G | IKJ-577 | IKJ-577-0-0_5__4/28/2009 | 0 | 0.5 | FIELD SAMPLE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA130 | IKM-HA-130-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA130 | IKM-HA-130-0B | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA130 | IKM-HA-130-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA133 | IKM-HA-133-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA133 | IKM-HA-133-0B | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA133 | IKM-HA-133-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA134A | IKM-HA-134-0 | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA134A | IKM-HA-134-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA134A | IKM-HA-134-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA134B | IKM-HA-134-0xA | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA134B | IKM-HA-134-0xB | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA134B | IKM-HA-134-1xA | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA134B | IKM-HA-134-1xB | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA135 | IKM-HA-135-0B | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA135 | IKM-HA-135-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41007G | IKM-HA135 | IKM-HA-135-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | BIO-09 | BIOSS-09 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |
| NR19 North of Main Tailings Pile | 41059D | BIO-09 | BIOSS-DUP | 0 | 0.5 | FIELD DUPLICATE | 2/27/2014 |
| NR19 North of Main Tailings Pile | 41059D | BIO-10 | BIOSS-10 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------------|-----------|-------------------------|-----------------------|---------------------|-----------------|----------------|
| | Property Group | Point ID | | | | | |
| NR19 North of Main Tailings Pile | 41059D | IKJ-570 | IKJ-570-0-0_5_4/28/2009 | 0 | 0.5 | FIELD SAMPLE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 41059D | IKJ-570 | IKJ-970-0-0_5_4/28/2009 | 0 | 0.5 | FIELD DUPLICATE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 41059D | IKJ-571 | IKJ-571-0-0_5_4/28/2009 | 0 | 0.5 | FIELD SAMPLE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 41059D | IKJ-576 | IKJ-576-0-0_5_4/28/2009 | 0 | 0.5 | FIELD SAMPLE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 41059D | IKJ-576 | IKJ-976-0-0_5_4/28/2009 | 0 | 0.5 | FIELD DUPLICATE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA002 | IKM-HA002-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA002 | IKM-HA002-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA002 | IKM-HA002-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA002 | IKM-HA002-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA003 | IKM-HA003-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA003 | IKM-HA003-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA003 | IKM-HA003-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA004 | IKM-HA004-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA004 | IKM-HA004-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA004 | IKM-HA004-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA005 | IKM-HA005-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA005 | IKM-HA005-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA005 | IKM-HA005-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA005 | IKM-HA005-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA006 | IKM-HA006-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA006 | IKM-HA006-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA006 | IKM-HA006-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA006 | IKM-HA006-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA009 | IKM-HA009-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA009 | IKM-HA009-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA009 | IKM-HA009-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA009 | IKM-HA009-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA010 | IKM-HA010-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA010 | IKM-HA010-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA010 | IKM-HA010-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA010 | IKM-HA010-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA011 | IKM-HA011-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA011 | IKM-HA011-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA011 | IKM-HA011-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA011 | IKM-HA011-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA012 | IKM-HA012-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA012 | IKM-HA012-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA012 | IKM-HA012-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA013 | IKM-HA013-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA013 | IKM-HA013-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA013 | IKM-HA013-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample |
|-----------------------------------|----------------|-----------|---------------|-------------|-----------|--------------|-----------|
| | Property Group | Point ID | | (feet) | (feet) | | Date |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA014 | IKM-HA014-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA014 | IKM-HA014-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA014 | IKM-HA014-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA014 | IKM-HA014-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA015 | IKM-HA015-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA015 | IKM-HA015-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA015 | IKM-HA015-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA015 | IKM-HA015-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA016 | IKM-HA016-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA016 | IKM-HA016-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA016 | IKM-HA016-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA016 | IKM-HA016-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA017 | IKM-HA017-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA017 | IKM-HA017-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA017 | IKM-HA017-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA018 | IKM-HA018-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA018 | IKM-HA018-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA018 | IKM-HA018-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA018 | IKM-HA018-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA019 | IKM-HA019-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA019 | IKM-HA019-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA019 | IKM-HA019-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA019 | IKM-HA019-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA020 | IKM-HA020-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA020 | IKM-HA020-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA020 | IKM-HA020-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA021 | IKM-HA021-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA021 | IKM-HA021-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA021 | IKM-HA021-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA021 | IKM-HA021-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA022 | IKM-HA022-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA022 | IKM-HA022-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA022 | IKM-HA022-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA022 | IKM-HA022-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA023 | IKM-HA023-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA023 | IKM-HA023-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA023 | IKM-HA023-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA024 | IKM-HA024-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA024 | IKM-HA024-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA024 | IKM-HA024-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA024 | IKM-HA024-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample |
|-----------------------------------|----------------|------------|----------------|-------------|-----------|-----------------|-----------|
| | Property Group | Point ID | | (feet) | (feet) | | Date |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA025 | IKM-HA025-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA025 | IKM-HA025-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA025 | IKM-HA025-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA025 | IKM-HA025-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA026 | IKM-HA026-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA026 | IKM-HA026-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA026 | IKM-HA026-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA027 | IKM-HA027-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA027 | IKM-HA027-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA027 | IKM-HA027-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA028 | IKM-HA028-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA028 | IKM-HA028-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA028 | IKM-HA028-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA028 | IKM-HA028-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA029 | IKM-HA029-00 | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA029 | IKM-HA029-100 | 0 | 0.17 | FIELD DUPLICATE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA029 | IKM-HA029-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA029 | IKM-HA029-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA033 | IKM-HA033-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA033 | IKM-HA033-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA033 | IKM-HA033-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA033 | IKM-HA033-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA034 | IKM-HA034-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA034 | IKM-HA034-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA034 | IKM-HA034-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA035 | IKM-HA035-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA035 | IKM-HA035-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA035 | IKM-HA035-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA035 | IKM-HA035-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA036 | IKM-HA036-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA036 | IKM-HA036-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA036 | IKM-HA036-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA036 | IKM-HA036-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA036A | IKM-HA036A-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA036A | IKM-HA036A-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA036A | IKM-HA036A-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA036A | IKM-HA036A-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA127 | IKM-HA-127-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA127 | IKM-HA-127-0B | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA127 | IKM-HA-127-1 | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA128 | IKM-HA-128-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample |
|-----------------------------------|----------------|------------|---------------------------|-------------|-----------|-----------------|-----------|
| | Property Group | Point ID | | (feet) | (feet) | | Date |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA128 | IKM-HA-128-0B | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA128 | IKM-HA-128-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA128 | IKM-HA-128-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA129 | IKM-HA-129-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA129 | IKM-HA-129-0B | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA129 | IKM-HA-129-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA131 | IKM-HA-131-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA131 | IKM-HA-131-0B | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA131 | IKM-HA-131-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA131 | IKM-HA-131-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA132 | IKM-HA-132-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA132 | IKM-HA-132-0B | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA132 | IKM-HA-132-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA132 | IKM-HA-132-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA136 | IKM-HA-136-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA136 | IKM-HA-136-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA136 | IKM-HA-136-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA147B | IKM-HA-147B-0A | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA147B | IKM-HA-147B-0B | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA147B | IKM-HA-147B-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA147B | IKM-HA-147B-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA148 | IKM-HA-148-0A | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA148 | IKM-HA-148-0B | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA148 | IKM-HA-148-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA148 | IKM-HA-148-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA149 | IKM-HA-149-0A | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA149 | IKM-HA-149-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA149 | IKM-HA-149-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA150 | IKM-HA-150-0A | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA150 | IKM-HA-150-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKM-HA150 | IKM-HA-150-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR19 North of Main Tailings Pile | 41059D | IKV-122 | IKV-122-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR19 North of Main Tailings Pile | 41059D | IKV-125 | IKV-125-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR19 North of Main Tailings Pile | 41059D | IKV-126 | IKV-126-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR19 North of Main Tailings Pile | 41059D | IKV-127 | IKV-127-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR19 North of Main Tailings Pile | 41059D | OS-30 | NAI-035-OS-30__6/6/2008 | 0 | 0.5 | FIELD SAMPLE | 6/6/2008 |
| NR19 North of Main Tailings Pile | 41059D | OS-75 | NAI-035-OS-75__6/6/2008 | 0 | 0.5 | FIELD SAMPLE | 6/6/2008 |
| NR19 North of Main Tailings Pile | 41059D | OS-75 | NAI-035-OS-75__6/6/2008D | 0 | 0.5 | FIELD DUPLICATE | 6/6/2008 |
| NR19 North of Main Tailings Pile | 41059D | OS-76 | NAI-039E-OS-76__6/6/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/6/2008 |
| NR19 North of Main Tailings Pile | 41059D | OS-77 | NAI-039E-OS-77__6/6/2008 | 0 | 0.5 | FIELD SAMPLE | 6/6/2008 |
| NR19 North of Main Tailings Pile | 41059D | OS-77 | NAI-039E-OS-77__6/6/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/6/2008 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | | Start Depth | End Depth | Type | Sample Date |
|-----------------------------------|----------------|-----------|---------------------------|-------------|-----------|-----------------|-------------|
| | Property Group | Point ID | Sample ID | (feet) | (feet) | | |
| NR19 North of Main Tailings Pile | 41059D | OS-78 | NAI-039E-OS-78__6/6/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/6/2008 |
| NR19 North of Main Tailings Pile | 41061C | BIO-04 | BIOSS-04 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |
| NR19 North of Main Tailings Pile | 41061C | BIO-05 | BIOSS-05 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKJ-503 | IKJ-503-0-2__9/8/2008 | 0 | 2 | FIELD SAMPLE | 9/8/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKJ-503 | IKJ-541-0-2__9/8/2008 | 0 | 2 | FIELD DUPLICATE | 9/8/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKJ-507 | IKJ-507-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKJ-509 | IKJ-509-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKJ-511 | IKJ-511-0-2__9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA007 | IKM-HA007-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA007 | IKM-HA007-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA007 | IKM-HA007-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA008 | IKM-HA008-00 | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA008 | IKM-HA008-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA008 | IKM-HA008-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA065 | IKM-HA065-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA065 | IKM-HA065-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA065 | IKM-HA065-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA065 | IKM-HA065-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA066 | IKM-HA066-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA066 | IKM-HA066-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA066 | IKM-HA066-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA066 | IKM-HA066-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA067 | IKM-HA067-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA067 | IKM-HA067-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA067 | IKM-HA067-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA067 | IKM-HA067-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA068 | IKM-HA068-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA068 | IKM-HA068-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA068 | IKM-HA068-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA069 | IKM-HA069-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA069 | IKM-HA069-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA069 | IKM-HA069-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA069 | IKM-HA069-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA070 | IKM-HA070-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA070 | IKM-HA070-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA070 | IKM-HA070-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA070 | IKM-HA070-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA144 | IKM-HA-144-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA144 | IKM-HA-144-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41061C | IKM-HA144 | IKM-HA-144-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR19 North of Main Tailings Pile | 41061C | IK-S23 | IK-S23__4/10/2002 | 0 | 0.5 | FIELD SAMPLE | 4/10/2002 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample |
|-----------------------------------|----------------|-----------|--------------------------|-------------|-----------|--------------|-----------|
| | Property Group | Point ID | | (feet) | (feet) | | Date |
| NR19 North of Main Tailings Pile | 41061C | IKV-123 | IKV-123-0-2_9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKV-124 | IKV-124-0-2_8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKV-130 | IKV-130-0-2_9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKV-130 | IKV-130-1_5-1_8_9/6/2008 | 1.5 | 1.8 | FIELD SAMPLE | 9/6/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKV-131 | IKV-131-0-2_9/8/2008 | 0 | 2 | FIELD SAMPLE | 9/8/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKV-131 | IKV-131-0_9-1_3_9/8/2008 | 0.9 | 1.3 | FIELD SAMPLE | 9/8/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKV-132 | IKV-132-0-2_9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKV-133 | IKV-133-0-0_5_9/9/2008 | 0 | 0.5 | FIELD SAMPLE | 9/9/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKV-133 | IKV-133-0_7-0_9_9/9/2008 | 0.7 | 0.9 | FIELD SAMPLE | 9/9/2008 |
| NR19 North of Main Tailings Pile | 41061C | IKV-134 | IKV-134-0-2_9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR19 North of Main Tailings Pile | 48037C | BIO-06 | BIOSS-06 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |
| NR19 North of Main Tailings Pile | 48037C | IKM-HA001 | IKM-HA001-00A | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 48037C | IKM-HA001 | IKM-HA001-00B | 0 | 0.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 48037C | IKM-HA001 | IKM-HA001-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR19 North of Main Tailings Pile | 48037C | OS-29 | NAI-037C-OS-29_6/6/2008 | 0 | 0.5 | FIELD SAMPLE | 6/6/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-101 | BKG-101-0-2_9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-102 | BKG-102-0-2_9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-103 | BKG-103-0-2_9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-104 | BKG-104-0-2_9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-105 | BKG-105-0-2_9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-106 | BKG-106-0-2_9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-107 | BKG-107-0-2_9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-108 | BKG-108-0-2_9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-109 | BKG-109-0-2_9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR19 North of Main Tailings Pile | 820006 | BKG-110 | BKG-110-0-2_9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR19 North of Main Tailings Pile | 820006 | IKJ-573 | IKJ-573-0-0_5_4/28/2009 | 0 | 0.5 | FIELD SAMPLE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 820006 | IKJ-574 | IKJ-574-0-0_5_4/28/2009 | 0 | 0.5 | FIELD SAMPLE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 820006 | IKJ-575 | IKJ-575-0-0_5_4/28/2009 | 0 | 0.5 | FIELD SAMPLE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA062 | IKM-HA062-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA062 | IKM-HA062-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA062 | IKM-HA062-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA062 | IKM-HA062-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA063 | IKM-HA063-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA063 | IKM-HA063-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA063 | IKM-HA063-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA064 | IKM-HA064-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA064 | IKM-HA064-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA064 | IKM-HA064-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA064 | IKM-HA064-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA113 | IKM-HA113-00A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA113 | IKM-HA113-00B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample |
|-----------------------------------|----------------|-----------|---------------------------------|-------------|-----------|-----------------|-----------|
| | Property Group | Point ID | | (feet) | (feet) | | Date |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA113 | IKM-HA113-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA113 | IKM-HA113-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA114 | IKM-HA114-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA114 | IKM-HA114-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA114 | IKM-HA114-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA114 | IKM-HA114-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA115 | IKM-HA115-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA115 | IKM-HA115-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA115 | IKM-HA115-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA116 | IKM-HA116-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA116 | IKM-HA116-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA116 | IKM-HA116-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA116 | IKM-HA116-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA117 | IKM-HA117-00 | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA117 | IKM-HA117-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA117 | IKM-HA117-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA118 | IKM-HA118-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA118 | IKM-HA118-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA118 | IKM-HA118-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA118 | IKM-HA118-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA119 | IKM-HA119-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA119 | IKM-HA119-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA119 | IKM-HA119-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA119 | IKM-HA119-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA120 | IKM-HA120-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA120 | IKM-HA120-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA120 | IKM-HA120-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA120 | IKM-HA120-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA121 | IKM-HA121-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA121 | IKM-HA121-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA121 | IKM-HA121-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 820006 | IKM-HA121 | IKM-HA121-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR19 North of Main Tailings Pile | 002 | IK-D12 | IK-D12__4/12/2002 | 0 | 0.5 | FIELD SAMPLE | 4/12/2002 |
| NR19 North of Main Tailings Pile | 002 | IKJ-537 | IKJ-537-0-2__8/21/2008 | 0 | 2 | FIELD SAMPLE | 8/21/2008 |
| NR19 North of Main Tailings Pile | 002 | IKJ-537 | IKJ-537-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR19 North of Main Tailings Pile | 002 | IKJ-538 | IKJ-538-0-2__8/21/2008 | 0 | 2 | FIELD SAMPLE | 8/21/2008 |
| NR19 North of Main Tailings Pile | 002 | IKJ-539 | IKJ-539-0-2__8/21/2008 | 0 | 2 | FIELD SAMPLE | 8/21/2008 |
| NR19 North of Main Tailings Pile | 002 | IKJ-579 | IKJ-579-0-0_5__5/2/2009 | 0 | 0.5 | FIELD SAMPLE | 5/2/2009 |
| NR19 North of Main Tailings Pile | 002 | IKJ-580 | IKJ-580-0-0_5__4/28/2009 | 0 | 0.5 | FIELD SAMPLE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 002 | IKJ-581 | IKJ-581-0-0_5__4/28/2009 | 0 | 0.5 | FIELD SAMPLE | 4/28/2009 |
| NR19 North of Main Tailings Pile | 002 | IKJ-581 | IKJ-981-0-0_5__4/28/2009 | 0 | 0.5 | FIELD DUPLICATE | 4/28/2009 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------------|-----------|---------------------------------|-----------------------|---------------------|-----------------|----------------|
| | Property Group | Point ID | | | | | |
| NR19 North of Main Tailings Pile | 002 | IKV-113 | IKV-113-0-2__8/21/2008 | 0 | 2 | FIELD SAMPLE | 8/21/2008 |
| NR19 North of Main Tailings Pile | 002 | IKV-114 | IKV-114-0-2__8/21/2008 | 0 | 2 | FIELD SAMPLE | 8/21/2008 |
| NR19 North of Main Tailings Pile | 002 | IKV-114 | IKV-114-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR19 North of Main Tailings Pile | 002 | IKV-115 | IKV-115-0-2__8/21/2008 | 0 | 2 | FIELD SAMPLE | 8/21/2008 |
| NR19 North of Main Tailings Pile | 002 | IKV-116 | IKV-116-0-2__8/21/2008 | 0 | 2 | FIELD SAMPLE | 8/21/2008 |
| NR19 North of Main Tailings Pile | 002 | IKV-117 | IKV-117-0-2__8/21/2008 | 0 | 2 | FIELD SAMPLE | 8/21/2008 |
| NR19 North of Main Tailings Pile | 002 | IKV-117 | IKV-117-0-2-D__8/21/2008 | 0 | 2 | FIELD DUPLICATE | 8/21/2008 |
| NR19 North of Main Tailings Pile | 002 | IKV-117 | IKV-117-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR19 North of Main Tailings Pile | 002 | S03 | NAI-S03__3/20/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/20/2008 |
| NR19 North of Main Tailings Pile | 002 | S06 | NAI-S06__3/20/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/20/2008 |
| NR19 North of Main Tailings Pile | 002 | S07 | NAI-S07__3/20/2008b | 0 | 0.5 | FIELD SAMPLE | 3/20/2008 |
| NR19 North of Main Tailings Pile | 002 | S07 | NAI-S07-D__3/20/2008 | 1 | 1.5 | FIELD DUPLICATE | 3/20/2008 |
| NR19 North of Main Tailings Pile | 002 | S08 | NAI-S08__3/20/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/20/2008 |
| NR19 North of Main Tailings Pile | 002 | S09 | NAI-S09__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR19 North of Main Tailings Pile | 002 | TCLP-8 | TCLP-8-0-0_5_5/8/2010 | 0 | 0.5 | FIELD SAMPLE | 5/8/2010 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA030 | IKM-HA030-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA030 | IKM-HA030-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA030 | IKM-HA030-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA031 | IKM-HA031-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA031 | IKM-HA031-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA031 | IKM-HA031-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA031 | IKM-HA031-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA032 | IKM-HA032-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA032 | IKM-HA032-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA032 | IKM-HA032-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA032 | IKM-HA032-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA037 | IKM-HA037-00A | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA037 | IKM-HA037-00B | 0 | 0.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA037 | IKM-HA037-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/20/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA038 | IKM-HA038-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA038 | IKM-HA038-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA038 | IKM-HA038-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA038 | IKM-HA038-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA039 | IKM-HA039-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA039 | IKM-HA039-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA039 | IKM-HA039-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA039 | IKM-HA039-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA040 | IKM-HA040-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA040 | IKM-HA040-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA041 | IKM-HA041-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA041 | IKM-HA041-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample Property Group | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|--------------------------------|-----------|-----------------------|-----------------------|---------------------|-----------------|----------------|
| NR20 North of Chaparral Gulch | 41059D | IKM-HA041 | IKM-HA041-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA041 | IKM-HA041-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA042 | IKM-HA042-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA042 | IKM-HA042-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA042 | IKM-HA042-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA042 | IKM-HA042-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA043 | IKM-HA043-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA043 | IKM-HA043-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA043 | IKM-HA043-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA043 | IKM-HA043-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA137 | IKM-HA-137-0 | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA137 | IKM-HA-137-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA137 | IKM-HA-137-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA138 | IKM-HA-138-0A | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA138 | IKM-HA-138-0B | 0 | 0.17 | FIELD SAMPLE | 4/4/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA138 | IKM-HA-138-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKM-HA138 | IKM-HA-138-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/4/2014 |
| NR20 North of Chaparral Gulch | 41059D | IKV-128 | IKV-128-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR20 North of Chaparral Gulch | 41059D | IKV-129 | IKV-129-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR20 North of Chaparral Gulch | 820006 | IKM-HA122 | IKM-HA122-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR20 North of Chaparral Gulch | 85002R | BKG-421 | BKG-421__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-421 | BKG-9421__1/23/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-421 | BKG-421-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-422 | BKG-422__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-422 | BKG-9422__1/23/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-422 | BKG-422-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-423 | BKG-423__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-423 | BKG-423-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-424 | BKG-424__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-424 | BKG-424-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-425 | BKG-425__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-425 | BKG-425-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-426 | BKG-426__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-426 | BKG-426-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-427 | BKG-427__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-427 | BKG-427-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-428 | BKG-428__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-428 | BKG-428-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-429 | BKG-429__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-429 | BKG-429-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | BKG-430 | BKG-430__1/23/2012 | 0 | 0.2 | FIELD SAMPLE | 1/23/2012 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample |
|-----------------------------------|----------------|-----------|----------------------|-------------|-----------|--------------|-----------|
| | Property Group | Point ID | | (feet) | (feet) | | Date |
| NR20 North of Chaparral Gulch | 85002R | BKG-430 | BKG-430-A__1/23/2012 | 0.8 | 1 | FIELD SAMPLE | 1/23/2012 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA044 | IKM-HA044-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA044 | IKM-HA044-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA044 | IKM-HA044-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA044 | IKM-HA044-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA045 | IKM-HA045-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA045 | IKM-HA045-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA045 | IKM-HA045-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA045 | IKM-HA045-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA046 | IKM-HA046-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA046 | IKM-HA046-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA046 | IKM-HA046-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA047 | IKM-HA047-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA047 | IKM-HA047-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA047 | IKM-HA047-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA048 | IKM-HA048-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA048 | IKM-HA048-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA048 | IKM-HA048-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA049 | IKM-HA049-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA049 | IKM-HA049-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA049 | IKM-HA049-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA050 | IKM-HA050-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA050 | IKM-HA050-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA050 | IKM-HA050-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA050 | IKM-HA050-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA051 | IKM-HA051-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA051 | IKM-HA051-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA051 | IKM-HA051-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA051 | IKM-HA051-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA052 | IKM-HA052-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA052 | IKM-HA052-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA052 | IKM-HA052-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA052 | IKM-HA052-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA056 | IKM-HA056-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA056 | IKM-HA056-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA056 | IKM-HA056-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA057 | IKM-HA057-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA057 | IKM-HA057-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA057 | IKM-HA057-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA057 | IKM-HA057-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA058 | IKM-HA058-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample |
|-----------------------------------|----------------|-----------|-------------------------|-------------|-----------|-----------------|-----------|
| | Property Group | Point ID | | (feet) | (feet) | | Date |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA058 | IKM-HA058-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA058 | IKM-HA058-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA059 | IKM-HA059-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA059 | IKM-HA059-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA059 | IKM-HA059-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA059 | IKM-HA059-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA060 | IKM-HA060-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA060 | IKM-HA060-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA060 | IKM-HA060-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA060 | IKM-HA060-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA061 | IKM-HA061-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA061 | IKM-HA061-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | IKM-HA061 | IKM-HA061-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 85002R | XRF-661 | XRF-661a__5/14/2013 | 0 | 0.08 | FIELD SAMPLE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-661 | XRF-661b__5/14/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-661 | XRF-662a__5/30/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/30/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-661 | XRF-662b__5/30/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/30/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-663 | XRF-663b__5/14/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-663 | XRF-664a__5/14/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-665 | XRF-665a__5/14/2013 | 0 | 0.08 | FIELD SAMPLE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-665 | XRF-666a__5/30/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/30/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-667 | XRF-667__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-667 | XRF-667a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-667 | XRF-667b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-667 | XRF-668a__5/14/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-667 | XRF-668b__5/14/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-669 | XRF-669a__5/14/2013 | 0 | 0.08 | FIELD SAMPLE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-669 | XRF-670a__5/14/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-669 | XRF-670b__5/14/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-671 | XRF-671a__5/14/2013 | 0 | 0.08 | FIELD SAMPLE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-671 | XRF-672a__5/31/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/31/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-671 | XRF-672b__5/31/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/31/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-673 | XRF-673a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-673 | XRF-674a__5/14/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-673 | XRF-674b__5/14/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/14/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-675 | XRF-675a top__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-675 | XRF-675b top__5/15/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-675 | XRF-676a__5/15/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-677 | XRF-677__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-677 | XRF-677a__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-677 | XRF-678a__5/15/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/15/2013 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | | Start Depth | End Depth | Type | Sample Date |
|-----------------------------------|----------------|-----------|-------------------------|-------------|-----------|-----------------|-------------|
| | Property Group | Point ID | Sample ID | (feet) | (feet) | | |
| NR20 North of Chaparral Gulch | 85002R | XRF-677 | XRF-678b__5/15/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-681 | XRF-681a top__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-681 | XRF-681b top__5/15/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-681 | XRF-682a__5/31/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/31/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-683 | XRF-683a top__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-683 | XRF-683b top__5/15/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-683 | XRF-684a__5/15/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-683 | XRF-684c__5/15/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-685 | XRF-685a top__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-685 | XRF-685b top__5/15/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-685 | XRF-686__5/1/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/1/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-685 | XRF-686a__5/15/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-685 | XRF-686b__5/15/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-687 | XRF-687a__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-687 | XRF-687b__5/15/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-687 | XRF-688a__5/15/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-687 | XRF-688b__5/15/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-689 | XRF-689a__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-689 | XRF-690a__5/15/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-689 | XRF-690b__5/15/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-691 | XRF-691a top__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-691 | XRF-692a__5/15/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 85002R | XRF-691 | XRF-692b__5/15/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/15/2013 |
| NR20 North of Chaparral Gulch | 002 | IKM-HA053 | IKM-HA053-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 002 | IKM-HA053 | IKM-HA053-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 002 | IKM-HA053 | IKM-HA053-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 002 | IKM-HA054 | IKM-HA054-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 002 | IKM-HA054 | IKM-HA054-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 002 | IKM-HA054 | IKM-HA054-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 002 | IKM-HA055 | IKM-HA055-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 002 | IKM-HA055 | IKM-HA055-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR20 North of Chaparral Gulch | 002 | IKM-HA055 | IKM-HA055-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR3 Upper Chaparral Gulch | 117 | OFS-117-1 | OFS-117-1__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| NR3 Upper Chaparral Gulch | 117 | OFS-117-1 | OFS-117-1-D__9/17/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/17/2008 |
| NR3 Upper Chaparral Gulch | 117 | OFS-117-1 | OFS-117-1-A__9/17/2008 | 0.8 | 1 | FIELD SAMPLE | 9/17/2008 |
| NR3 Upper Chaparral Gulch | 117 | OFS-117-3 | OFS-117-3__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| NR3 Upper Chaparral Gulch | 117 | OFS-117-4 | OFS-117-4__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| NR3 Upper Chaparral Gulch | 117 | OFS-117-5 | OFS-117-5__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| NR3 Upper Chaparral Gulch | 117 | OFS-117-6 | OFS-117-6__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| NR3 Upper Chaparral Gulch | 117 | OFS-117-7 | OFS-117-7__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |
| NR3 Upper Chaparral Gulch | 117 | OFS-117-9 | OFS-117-9__9/17/2008 | 0 | 0.2 | FIELD SAMPLE | 9/17/2008 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample Date |
|-----------------------------------|----------------|-----------|------------------------|-------------|-----------|-----------------|-------------|
| | Property Group | Point ID | | (feet) | (feet) | | |
| NR3 Upper Chaparral Gulch | 147 | 147-01 | 147-01B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-02 | 147-02 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-03 | 147-03A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-03 | 147-03B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-04 | 147-04A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-04 | 147-04B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-05 | 147-05A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-05 | 147-05B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-06 | 147-06A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-06 | 147-06B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-07 | 147-07A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | 147-07 | 147-07B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-1 | OFS-147-1__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-1 | OFS-947-1__8/17/2009 | 0 | 0.2 | FIELD DUPLICATE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-1 | OFS-147-1-A__8/17/2009 | 0.8 | 1 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-2 | OFS-147-2__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-3 | OFS-147-3__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-4 | OFS-147-4__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-5 | OFS-147-5__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-6 | OFS-147-6__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-7 | OFS-147-7__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-8 | OFS-147-8__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 147 | OFS-147-9 | OFS-147-9__8/17/2009 | 0 | 0.2 | FIELD SAMPLE | 8/17/2009 |
| NR3 Upper Chaparral Gulch | 215A | 215A-11 | 215A-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215A | 215A-11 | 215A-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215B | 215B-01 | 215B-01 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215B | 215B-01 | 215B-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215B | 215B-09 | 215B-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215B | 215B-09 | 215B-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215B | CHU-SB09 | CHU-SB09-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215B | CHU-SB09 | CHU-SB09-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-01 | 215C-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-01 | 215C-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-02 | 215C-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-02 | 215C-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-03 | 215C-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-03 | 215C-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-04 | 215C-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-04 | 215C-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-05 | 215C-05A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-05 | 215C-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample |
|-----------------------------------|----------------|-----------|------------------------|-------------|-----------|-----------------|-----------|
| | Property Group | Point ID | | (feet) | (feet) | | Date |
| NR3 Upper Chaparral Gulch | 215C | 215C-06 | 215C-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-06 | 215C-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-07 | 215C-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-07 | 215C-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-08 | 215C-08 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-09 | 215C-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-09 | 215C-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-10 | 215C-10A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-10 | 215C-10B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-11 | 215C-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-11 | 215C-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | 215C-12 | 215C-12A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 215C | OFS-215-1 | OFS-215-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 215C | OFS-215-1 | OFS-815-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 215C | OFS-215-1 | OFS-215-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 215C | OFS-215-3 | OFS-215-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 215C | OFS-215-4 | OFS-215-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 215C | OFS-215-6 | OFS-215-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 215C | OFS-215-8 | OFS-215-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 215C | OFS-215-9 | OFS-215-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 215C | XRF-821 | XRF-821a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-821 | XRF-821b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-821 | XRF-822__5/1/2013 | 1.41 | 1.5 | FIELD SAMPLE | 5/1/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-821 | XRF-822a__5/20/2013 | 1.41 | 1.5 | FIELD SAMPLE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-821 | XRF-822b__5/20/2013 | 1.41 | 1.5 | FIELD DUPLICATE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-823 | XRF-823a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-823 | XRF-823b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-823 | XRF-824a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-823 | XRF-824b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-825 | XRF-825a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-825 | XRF-826a__5/20/2013 | 0.91 | 1 | FIELD SAMPLE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-825 | XRF-826b__5/20/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-829 | XRF-829__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-829 | XRF-829b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-829 | XRF-830b__5/31/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/31/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-831 | XRF-831b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-831 | XRF-832a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-833 | XRF-833a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-833 | XRF-833b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-833 | XRF-834a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 215C | XRF-833 | XRF-834b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample Date |
|-----------------------------------|----------------|-----------|------------------------|-------------|-----------|-----------------|-------------|
| | Property Group | Point ID | | (feet) | (feet) | | |
| NR3 Upper Chaparral Gulch | 222 | CHU-SB05 | CHU-SB05-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 222 | CHU-SB05 | CHU-SB05-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 222 | CHU-SB06 | CHU-SB06-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 222 | CHU-SB06 | CHU-SB06-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 222 | CHU-SB07 | CHU-SB07-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-01 | 223-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-01 | 223-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-02 | 223-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-02 | 223-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-02 | 223-03A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-02 | 223-03B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-06 | 223-06 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-07 | 223-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-07 | 223-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-08 | 223-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-08 | 223-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-09 | 223-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | 223-09 | 223-09B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 223 | OFS-223-1 | OFS-223-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 223 | OFS-223-1 | OFS-823-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 223 | OFS-223-1 | OFS-223-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 223 | OFS-223-3 | OFS-223-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 223 | OFS-223-5 | OFS-223-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 223 | OFS-223-7 | OFS-223-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-02 | 225AB-02A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-02 | 225AB-02B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-03 | 225AB-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-03 | 225AB-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-04 | 225AB-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-05 | 225AB-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-06 | 225AB-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-07 | 225AB-07A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-07 | 225AB-07B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-08 | 225AB-08 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-09 | 225AB-09A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-10 | 225AB-10A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-10 | 225AB-10B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-11 | 225AB-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-11 | 225AB-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-12 | 225AB-12A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-12 | 225AB-12B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample Date |
|-----------------------------------|----------------|-----------|----------------------|-------------|-----------|-----------------|-------------|
| | Property Group | Point ID | | (feet) | (feet) | | |
| NR3 Upper Chaparral Gulch | 225A | 225AB-13 | 225AB-13A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-14 | 225AB-14A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-15 | 225AB-15A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-15 | 225AB-15B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-16 | 225AB-16A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-16 | 225AB-16B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-17 | 225AB-17A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | 225AB-17 | 225AB-17B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225A | OFS-225-2 | OFS-225-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 225A | OFS-225-4 | OFS-225-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 225A | OFS-225-6 | OFS-225-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 225A | OFS-225-9 | OFS-225-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 225A | XRF-851 | XRF-851a__5/28/2013 | 0 | 0.08 | FIELD SAMPLE | 5/28/2013 |
| NR3 Upper Chaparral Gulch | 225A | XRF-851 | XRF-851b__5/28/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/28/2013 |
| NR3 Upper Chaparral Gulch | 225A | XRF-851 | XRF-852a__5/31/2013 | 0.91 | 1 | FIELD SAMPLE | 5/31/2013 |
| NR3 Upper Chaparral Gulch | 225A | XRF-851 | XRF-852b__5/31/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/31/2013 |
| NR3 Upper Chaparral Gulch | 225C | 225C-01 | 225C-01A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-01 | 225C-01B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-01 | 225C-02A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-01 | 225C-02B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-03 | 225C-03A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-03 | 225C-03B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-04 | 225C-04A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-04 | 225C-04B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-05 | 225C-05B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-06 | 225C-06A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-06 | 225C-06B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-07 | 225C-07A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-07 | 225C-07B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-08 | 225C-08A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-08 | 225C-08B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-09 | 225C-09 | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-10 | 225C-10A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-10 | 225C-10B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-11 | 225C-11A | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | 225C-11 | 225C-11B | 0 | 0.17 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 225C | OFS-225-7 | OFS-225-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 225C | OFS-225-8 | OFS-225-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 225C | XRF-849 | XRF-849a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 225C | XRF-849 | XRF-850b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 225C | XRF-853 | XRF-853__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample Date |
|-----------------------------------|----------------|-----------|------------------------|-------------|-----------|-----------------|-------------|
| | Property Group | Point ID | | (feet) | (feet) | | |
| NR3 Upper Chaparral Gulch | 225C | XRF-853 | XRF-853a__5/21/2013 | 0 | 0.08 | FIELD SAMPLE | 5/21/2013 |
| NR3 Upper Chaparral Gulch | 225C | XRF-853 | XRF-853b__5/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/21/2013 |
| NR3 Upper Chaparral Gulch | 225C | XRF-853 | XRF-854a__5/28/2013 | 0.91 | 1 | FIELD SAMPLE | 5/28/2013 |
| NR3 Upper Chaparral Gulch | 225C | XRF-853 | XRF-854b__5/28/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/28/2013 |
| NR3 Upper Chaparral Gulch | 226 | CHU-SB12 | CHU-SB12-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 226 | CHU-SB12 | CHU-SB12-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR3 Upper Chaparral Gulch | 226 | CHU-SB13 | CHU-SB13-0A | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| NR3 Upper Chaparral Gulch | 226 | CHU-SB13 | CHU-SB13-0B | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| NR3 Upper Chaparral Gulch | 226 | CHU-SB14 | CHU-SB14-0A | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| NR3 Upper Chaparral Gulch | 226 | CHU-SB15 | CHU-SB15-0A | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| NR3 Upper Chaparral Gulch | 226 | CHU-SB15 | CHU-SB15-0B | 0 | 0 | FIELD SAMPLE | 2/28/2014 |
| NR3 Upper Chaparral Gulch | 226 | CHU-SB15 | CHU-SB15-2A | 2 | 2 | FIELD SAMPLE | 2/28/2014 |
| NR3 Upper Chaparral Gulch | 226 | CHU-SB15 | CHU-SB15-2B | 2 | 2 | FIELD SAMPLE | 2/28/2014 |
| NR3 Upper Chaparral Gulch | 226 | IK-D14 | IK-D15__4/9/2002 | 0 | 0.5 | FIELD DUPLICATE | 4/9/2002 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-1 | OFS-226-1__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-1 | OFS-826-1__5/10/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-1 | OFS-226-1-A__5/10/2010 | 0.8 | 1 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-2 | OFS-226-2__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-3 | OFS-226-3__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-4 | OFS-226-4__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-5 | OFS-226-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-6 | OFS-226-6__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-7 | OFS-226-7__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-8 | OFS-226-8__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | OFS-226-9 | OFS-226-9__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 226 | XRF-819 | XRF-819a__5/17/2013 | 0 | 0.08 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 226 | XRF-819 | XRF-819b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 226 | XRF-819 | XRF-820b__5/17/2013 | 1.41 | 1.5 | FIELD DUPLICATE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 226 | XRF-845 | XRF-845b__5/17/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | 226 | XRF-845 | XRF-846a__5/20/2013 | 0.91 | 1 | FIELD SAMPLE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 226 | XRF-845 | XRF-846b__5/20/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-01 | 2444-01A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-01 | 2444-01B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-02 | 2444-02A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-02 | 2444-02B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-03 | 2444-03 | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-03 | 2444-103 | 0 | 0.17 | FIELD DUPLICATE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-04 | 2444-04A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-04 | 2444-04B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-05 | 2444-05B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-06 | 2444-06A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |

TABLE K1-3

Samples Used in the Human Health Risk Assessment - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Final Sample | | Sample ID | Start Depth | End Depth | Type | Sample Date |
|-----------------------------------|----------------|-----------|----------------------|-------------|-----------|-----------------|-------------|
| | Property Group | Point ID | | (feet) | (feet) | | |
| NR3 Upper Chaparral Gulch | 2444 | 2444-06 | 2444-06B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-07 | 2444-07A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-07 | 2444-07B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-08 | 2444-08A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-08 | 2444-08B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-09 | 2444-09A | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-09 | 2444-09B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-10 | 2444-10B | 0 | 0.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | 2444-11 | 2444-11B | 0.83 | 1.17 | FIELD SAMPLE | 3/7/2014 |
| NR3 Upper Chaparral Gulch | 2444 | OFS-215-5 | OFS-215-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | 2444 | XRF-837 | XRF-837a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 2444 | XRF-837 | XRF-837b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | 2444 | XRF-837 | XRF-838a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | O17 | 17-A | 17-A-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-B | 17-B-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-B | 17-B-1__8/16/2005 | 0 | 0.2 | FIELD DUPLICATE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-C | 17-C-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-D | 17-D-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-E | 17-E-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-E | 17-E-1.5__8/16/2005 | 1.5 | 1.5 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-F | 17-F-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-G | 17-G-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-H | 17-H-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | 17-I | 17-I-0__8/16/2005 | 0 | 0.2 | FIELD SAMPLE | 8/16/2005 |
| NR3 Upper Chaparral Gulch | O17 | OFS-225-5 | OFS-225-5__5/10/2010 | 0 | 0.2 | FIELD SAMPLE | 5/10/2010 |
| NR3 Upper Chaparral Gulch | O17 | XRF-839 | XRF-839b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | O17 | XRF-839 | XRF-840a__5/17/2013 | 0.91 | 1 | FIELD SAMPLE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | O17 | XRF-839 | XRF-840b__5/17/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/17/2013 |
| NR3 Upper Chaparral Gulch | O17 | XRF-847 | XRF-847a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | O17 | XRF-847 | XRF-847b__5/20/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/20/2013 |
| NR3 Upper Chaparral Gulch | O17 | XRF-847 | XRF-848b__5/20/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/20/2013 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| NR10 Agua Fria Tailings Pile | XRF-518 | XRF-518a__4/29/2013 | 0 | 0.08 | FIELD SAMPLE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-518 | XRF-518b__4/29/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-520 | XRF-520a__5/31/2013 | 0 | 0.08 | FIELD SAMPLE | 5/31/2013 |
| NR10 Agua Fria Tailings Pile | XRF-520 | XRF-520b__5/31/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/31/2013 |
| NR10 Agua Fria Tailings Pile | XRF-522 | XRF-522a__5/31/2013 | 0 | 0.08 | FIELD SAMPLE | 5/31/2013 |
| NR10 Agua Fria Tailings Pile | XRF-522 | XRF-522b__5/31/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/31/2013 |
| NR10 Agua Fria Tailings Pile | XRF-524 | XRF-524b__4/29/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-526 | XRF-526a__4/29/2013 | 0 | 0.08 | FIELD SAMPLE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-526 | XRF-526b__4/29/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-528 | XRF-528a__5/31/2013 | 0 | 0.08 | FIELD SAMPLE | 5/31/2013 |
| NR10 Agua Fria Tailings Pile | XRF-528 | XRF-528b__5/31/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/31/2013 |
| NR10 Agua Fria Tailings Pile | XRF-518 | XRF-519a__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-518 | XRF-519b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-520 | XRF-521a__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-520 | XRF-521b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-522 | XRF-523a__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-522 | XRF-523b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-524 | XRF-525a__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-524 | XRF-525b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-526 | XRF-527a__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-526 | XRF-527b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-528 | XRF-529a__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | XRF-528 | XRF-529b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR10 Agua Fria Tailings Pile | HSJ-513 | HSJ-513-0-2__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR11 Former Pyrometallurgical Operations Area | XRF-750 | XRF-750a__6/4/2013 | 0 | 0.08 | FIELD SAMPLE | 6/4/2013 |
| NR11 Former Pyrometallurgical Operations Area | XRF-750 | XRF-750b__6/4/2013 | 0 | 0.08 | FIELD DUPLICATE | 6/4/2013 |
| NR11 Former Pyrometallurgical Operations Area | ASH-AB23 | ASH-AB23-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-AB23 | ASH-AB23-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-B02 | ASH-B02-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-B02 | ASH-B02-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-B03 | ASH-B03-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-B03 | ASH-B03-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C07 | ASH-C07-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C07 | ASH-C07-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C08 | ASH-C08-00 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C09 | ASH-C09-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C09 | ASH-C09-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C10 | ASH-C10-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C10 | ASH-C10-00B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C11 | ASH-C11-00 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C13 | ASH-C13-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|----------|--------------|-----------------------|---------------------|-----------------|----------------|
| NR11 Former Pyrometallurgical Operations Area | ASH-C13 | ASH-C13-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D04 | ASH-D04-00B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D05 | ASH-D05-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D05 | ASH-D05-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D06 | ASH-D06-00 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D07 | ASH-D07-00 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D08 | ASH-D08-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D08 | ASH-D08-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D09 | ASH-D09-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D09 | ASH-D09-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D10 | ASH-D10-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D11 | ASH-D11-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D11 | ASH-D11-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D12 | ASH-D12-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D12 | ASH-D12-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-E06 | ASH-E06-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-E07 | ASH-E07-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-E07 | ASH-E07-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-E08 | ASH-E08-00 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-E09 | ASH-E09-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-E09 | ASH-E09-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-E10 | ASH-E10-00 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-EF03 | ASH-EF03-00 | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-EF05 | ASH-EF05-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-EF05 | ASH-EF05-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-EF89 | ASH-EF89-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-EF89 | ASH-EF89-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F07 | ASH-F07-00 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F07 | ASH-F07-100 | 0 | 0.17 | FIELD DUPLICATE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F08 | ASH-F08-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F08 | ASH-F08-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F09 | ASH-F09-00 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F10 | ASH-F10-00 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F56 | ASH-F56-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F56 | ASH-F56-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-G08 | ASH-G08-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-G08 | ASH-G08-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-G09 | ASH-G09-00 | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-GH05 | ASH-GH05-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-H09 | ASH-H09-00A | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-H09 | ASH-H09-00B | 0 | 0.17 | FIELD SAMPLE | 2/11/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|-----------|---------------|-----------------------|---------------------|--------------|----------------|
| NR11 Former Pyrometallurgical Operations Area | ASH-H11 | ASH-H11-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-H11 | ASH-H11-00B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA039 | ASH-HA039-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA039 | ASH-HA039-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA040 | ASH-HA040-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA040 | ASH-HA040-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA041 | ASH-HA041-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA041 | ASH-HA041-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA042 | ASH-HA042-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA044 | ASH-HA044-00A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA044 | ASH-HA044-00B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA045 | ASH-HA045-00A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA045 | ASH-HA045-00B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA046 | ASH-HA046-00A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA046 | ASH-HA046-00B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA047 | ASH-HA047-0 | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA048 | ASH-HA048-00A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA048 | ASH-HA048-00B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA049 | ASH-HA049-00A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA049 | ASH-HA049-00B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAC04 | ASH-HAC04-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAC05 | ASH-HAC05-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAC05 | ASH-HAC05-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAC06 | ASH-HAC06-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAC06 | ASH-HAC06-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAD04 | ASH-HAD04-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAD04 | ASH-HAD04-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAD13 | ASH-HAD13-00A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAD13 | ASH-HAD13-00B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAE04 | ASH-HAE04-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAE04 | ASH-HAE04-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAE11 | ASH-HAE11-00A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAE11 | ASH-HAE11-00B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAF04 | ASH-HAF04-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAF04 | ASH-HAF04-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAF11 | ASH-HAF11-00A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAF11 | ASH-HAF11-00B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAF12 | ASH-HAF12-00A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAF12 | ASH-HAF12-00B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG04 | ASH-HAG04-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG04 | ASH-HAG04-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|------------|----------------|-----------------------|---------------------|--------------|----------------|
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG05 | ASH-HAG05-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG05 | ASH-HAG05-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG06 | ASH-HAG06-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG06 | ASH-HAG06-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG11 | ASH-HAG11-00A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAH05 | ASH-HAH05-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAH05 | ASH-HAH05-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAH07 | ASH-HAH07-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAH07 | ASH-HAH07-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAK14 | ASH-HAK14-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAK14 | ASH-HAK14-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL08 | ASH-HAL08-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL08 | ASH-HAL08-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL14 | ASH-HAL14-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL14 | ASH-HAL14-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAM08 | ASH-HAM08-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAM08 | ASH-HAM08-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO14 | ASH-HAO14-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO14 | ASH-HAO14-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO14A | ASH-HAO14A-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO14A | ASH-HAO14A-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO15 | ASH-HAO15-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO15 | ASH-HAO15-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO16 | ASH-HAO16-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO16 | ASH-HAO16-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO17 | ASH-HAO17-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO17 | ASH-HAO17-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO18 | ASH-HAO18-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO18 | ASH-HAO18-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO19 | ASH-HAO19-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO20 | ASH-HAO20-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO20 | ASH-HAO20-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO21 | ASH-HAO21-00A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO22 | ASH-HAO22-00A | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO22 | ASH-HAO22-00B | 0 | 0.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HI78 | ASH-HI78-00 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-I11 | ASH-I11-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-I11 | ASH-I11-00B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-I12 | ASH-I12-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-I12 | ASH-I12-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-IJ10 | ASH-IJ10-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|----------|----------------------------------|-----------------------|---------------------|-----------------|----------------|
| NR11 Former Pyrometallurgical Operations Area | ASH-IJ10 | ASH-IJ10-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-J10 | ASH-J10-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-J10 | ASH-J10-00B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-J11 | ASH-J11-00 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-J12 | ASH-J12-00 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-J13 | ASH-J13-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-J13 | ASH-J13-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-K10 | ASH-K10-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-K11 | ASH-K11-00 | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-K12 | ASH-K12-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-K12 | ASH-K12-00B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-K13 | ASH-K13-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-KL07 | ASH-KL07-00A | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L08 | ASH-L08-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L08 | ASH-L08-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L09 | ASH-L09-00 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L10 | ASH-L10-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L11 | ASH-L11-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L11 | ASH-L11-00B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L12 | ASH-L12-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L13 | ASH-L13-00A | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L13 | ASH-L13-00B | 0 | 0.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-LM67 | ASH-LM67-00B | 0 | 0.17 | FIELD SAMPLE | 2/13/2014 |
| NR11 Former Pyrometallurgical Operations Area | SL-SS01 | SL-SS01-00 | 0 | 0.17 | FIELD SAMPLE | 4/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | XRF-263 | XRF-263 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR11 Former Pyrometallurgical Operations Area | XRF-265 | XRF-265 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR11 Former Pyrometallurgical Operations Area | XRF-267 | XRF-267 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR11 Former Pyrometallurgical Operations Area | XRF-269 | XRF-269 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR11 Former Pyrometallurgical Operations Area | XRF-271 | XRF-271 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L10 | ASH-L10-00.25A | 0.08 | 0.25 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L10 | ASH-L10-00.25B | 0.08 | 0.25 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-539 | HSJ-539-0-0_5 Unsieved_9/12/2008 | 0 | 0.5 | FIELD SAMPLE | 9/12/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-539 | HSJ-539-0-0_5_8/23/2008 | 0 | 0.5 | FIELD SAMPLE | 8/23/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-552 | HSJ-552-0-6_9/15/2008 | 0 | 0.5 | FIELD SAMPLE | 9/15/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-578 | HSJ-578-0-0_5_5/1/2009 | 0 | 0.5 | FIELD SAMPLE | 5/1/2009 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-579 | HSJ-579-0-0_5_5/1/2009 | 0 | 0.5 | FIELD SAMPLE | 5/1/2009 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-580 | HSJ-580-0-0_5_5/1/2009 | 0 | 0.5 | FIELD SAMPLE | 5/1/2009 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-578 | HSJ-978-0-0_5_5/1/2009 | 0 | 0.5 | FIELD DUPLICATE | 5/1/2009 |
| NR11 Former Pyrometallurgical Operations Area | TCLP-3 | TCLP-3-0-0_5_5/8/2010 | 0 | 0.5 | FIELD SAMPLE | 5/8/2010 |
| NR11 Former Pyrometallurgical Operations Area | TCLP-4 | TCLP-4-0-0_5_5/8/2010 | 0 | 0.5 | FIELD SAMPLE | 5/8/2010 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F56 | ASH-F56-00.5A | 0.33 | 0.67 | FIELD SAMPLE | 2/11/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|------------|--------------------|-----------------------|---------------------|--------------|----------------|
| NR11 Former Pyrometallurgical Operations Area | ASH-F56 | ASH-F56-00.5B | 0.33 | 0.67 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO14A | ASH-HAO14A-00.5A | 0.33 | 0.67 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO14A | ASH-HAO14A-00.5B | 0.33 | 0.67 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-I13 | ASH-I13-00.5A | 0.33 | 0.67 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-I13 | ASH-I13-00.5B | 0.33 | 0.67 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | XRF-263 | XRF-264 | 0.67 | 0.67 | FIELD SAMPLE | 4/18/2012 |
| NR11 Former Pyrometallurgical Operations Area | ASH-F10 | ASH-F10-00.75 | 0.67 | 0.83 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-GH05 | ASH-GH05-00.75B | 0.67 | 0.83 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-J10 | ASH-J10-00.75A | 0.67 | 0.83 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-J10 | ASH-J10-00.75B | 0.67 | 0.83 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | XRF-269 | XRF-270 | 0.83 | 0.83 | FIELD SAMPLE | 4/18/2012 |
| NR11 Former Pyrometallurgical Operations Area | HS-05 | HS-05SS__1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR11 Former Pyrometallurgical Operations Area | HS-06 | HS-06SS__1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR11 Former Pyrometallurgical Operations Area | HS-07 | HS-07SS__1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR11 Former Pyrometallurgical Operations Area | HS-08 | HS-08SS__1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR11 Former Pyrometallurgical Operations Area | HS-09 | HS-09SS__1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C09 | ASH-C09-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C11 | ASH-C11-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C12 | ASH-C12-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-C12 | ASH-C12-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D06 | ASH-D06-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D06 | ASH-D06-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D07 | ASH-D07-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D07 | ASH-D07-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D11 | ASH-D11-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D11 | ASH-D11-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-E10 | ASH-E10-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-E10 | ASH-E10-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA039 | ASH-HA039-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA039 | ASH-HA039-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA044 | ASH-HA044-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA044 | ASH-HA044-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA045 | ASH-HA045-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA045 | ASH-HA045-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA046 | ASH-HA046-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA047 | ASH-HA047-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA047 | ASH-HA047-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA048 | ASH-HA048-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA048 | ASH-HA048-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA049 | ASH-HA049-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HA049 | ASH-HA049-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/9/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|-----------|---------------|-----------------------|---------------------|--------------|----------------|
| NR11 Former Pyrometallurgical Operations Area | ASH-HAC05 | ASH-HAC05-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAC05 | ASH-HAC05-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAC06 | ASH-HAC06-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAC06 | ASH-HAC06-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAD04 | ASH-HAD04-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAD04 | ASH-HAD04-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAE04 | ASH-HAE04-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAE04 | ASH-HAE04-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAE11 | ASH-HAE11-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAE11 | ASH-HAE11-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAF04 | ASH-HAF04-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAF04 | ASH-HAF04-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAF12 | ASH-HAF12-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG04 | ASH-HAG04-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG11 | ASH-HAG11-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAG11 | ASH-HAG11-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAJ10 | ASH-HAJ10-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAJ10 | ASH-HAJ10-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/27/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAK12 | ASH-HAK12-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAK12 | ASH-HAK12-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAK13 | ASH-HAK13-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAK13 | ASH-HAK13-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAK14 | ASH-HAK14-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAK14 | ASH-HAK14-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL08 | ASH-HAL08-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL08 | ASH-HAL08-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL11 | ASH-HAL11-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL11 | ASH-HAL11-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL12 | ASH-HAL12-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL13 | ASH-HAL13-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL13 | ASH-HAL13-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/25/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAL14 | ASH-HAL14-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO15 | ASH-HAO15-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO17 | ASH-HAO17-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO17 | ASH-HAO17-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO19 | ASH-HAO19-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO20 | ASH-HAO20-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO43 | ASH-HAO43-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HI78 | ASH-HI78-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HI78 | ASH-HI78-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-I11 | ASH-I11-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|-----------|---------------------------------|-----------------------|---------------------|-----------------|----------------|
| NR11 Former Pyrometallurgical Operations Area | ASH-IJ10 | ASH-IJ10-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-IJ10 | ASH-IJ10-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L08 | ASH-L08-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L08 | ASH-L08-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L11 | ASH-L11-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-L11 | ASH-L11-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/10/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO14 | ASH-HAO14-01.3A | 1.13 | 1.47 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO14 | ASH-HAO14-01.3B | 1.13 | 1.47 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-D08 | ASH-D08-01.5 | 1.33 | 1.67 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-EF05 | ASH-EF05-01.5A | 1.33 | 1.67 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-EF05 | ASH-EF05-01.5B | 1.33 | 1.67 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-G08 | ASH-G08-01.5A | 1.33 | 1.67 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-G08 | ASH-G08-01.5B | 1.33 | 1.67 | FIELD SAMPLE | 2/11/2014 |
| NR11 Former Pyrometallurgical Operations Area | ASH-HAO16 | ASH-HAO16-01.5B | 1.33 | 1.67 | FIELD SAMPLE | 2/24/2014 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-504 | HSJ-504-0-2__9/9/2008 | 0 | 2 | FIELD SAMPLE | 9/9/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-505 | HSJ-505-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-506 | HSJ-506-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-507 | HSJ-507-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-514 | HSJ-514-0-2 Unsieved__9/15/2008 | 0 | 2 | FIELD SAMPLE | 9/15/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-514 | HSJ-514-0-2__9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-515 | HSJ-515-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-516 | HSJ-516-0-2__8/26/2008 | 0 | 2 | FIELD SAMPLE | 8/26/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-517 | HSJ-517-0-2__8/26/2008 | 0 | 2 | FIELD SAMPLE | 8/26/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-518 | HSJ-518-0-2__8/26/2008 | 0 | 2 | FIELD SAMPLE | 8/26/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-519 | HSJ-519-0-2__8/24/2008 | 0 | 2 | FIELD SAMPLE | 8/24/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-520 | HSJ-520-0-2__8/24/2008 | 0 | 2 | FIELD SAMPLE | 8/24/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-521 | HSJ-521-0-2__9/5/2008 | 0 | 2 | FIELD SAMPLE | 9/5/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-521 | HSJ-521-0-2-D__9/5/2008 | 0 | 2 | FIELD DUPLICATE | 9/5/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-522 | HSJ-522-0-2__9/5/2008 | 0 | 2 | FIELD SAMPLE | 9/5/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-523 | HSJ-523-0-2__9/5/2008 | 0 | 2 | FIELD SAMPLE | 9/5/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-523 | HSJ-523-0-2-D__9/5/2008 | 0 | 2 | FIELD DUPLICATE | 9/5/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-524 | HSJ-524-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-525 | HSJ-525-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-526 | HSJ-526-0-2__9/3/2008 | 0 | 2 | FIELD SAMPLE | 9/3/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-527 | HSJ-527-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-527 | HSJ-527-0-2-D__8/28/2008 | 0 | 2 | FIELD DUPLICATE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-528 | HSJ-528-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-529 | HSJ-529-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-530 | HSJ-530-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-531 | HSJ-531-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-538 | HSJ-538-0-2 Sieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|-----------|---------------------------------|-----------------------|---------------------|-----------------|----------------|
| NR11 Former Pyrometallurgical Operations Area | HSJ-538 | HSJ-538-0-2__8/23/2008 | 0 | 2 | FIELD SAMPLE | 8/23/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-540 | HSJ-540-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-541 | HSJ-541-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-542 | HSJ-542-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-547 | HSJ-547-0-2__9/5/2008 | 0 | 2 | FIELD SAMPLE | 9/5/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-547 | HSJ-547-0-2-D__9/5/2008 | 0 | 2 | FIELD DUPLICATE | 9/5/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSJ-567 | HSJ-567-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR11 Former Pyrometallurgical Operations Area | HSV-108 | HSV-108-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-111 | HSV-111-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-112 | HSV-112-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-112 | HSV-112-0-2__8/23/2008 | 0 | 2 | FIELD SAMPLE | 8/23/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-118 | HSV-118-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-118 | HSV-118-0-2-D__8/28/2008 | 0 | 2 | FIELD DUPLICATE | 8/28/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-119 | HSV-119-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-119 | HSV-119-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-120 | HSV-120-0-2__8/26/2008 | 0 | 2 | FIELD SAMPLE | 8/26/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-121 | HSV-121-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-122 | HSV-122-0-2__8/23/2008 | 0 | 2 | FIELD SAMPLE | 8/23/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-122 | HSV-122-0-2-D__8/23/2008 | 0 | 2 | FIELD DUPLICATE | 8/23/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-123 | HSV-123-0-2__9/3/2008 | 0 | 2 | FIELD SAMPLE | 9/3/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-124 | HSV-124-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-125 | HSV-125-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-125 | HSV-125-0-2__9/3/2008 | 0 | 2 | FIELD SAMPLE | 9/3/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-125 | HSV-125-0-2-D__9/3/2008 | 0 | 2 | FIELD DUPLICATE | 9/3/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-126 | HSV-126-0-2__8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-126 | HSV-126-0-2-D__8/27/2008 | 0 | 2 | FIELD DUPLICATE | 8/27/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-127 | HSV-127-0-2__8/23/2008 | 0 | 2 | FIELD SAMPLE | 8/23/2008 |
| NR11 Former Pyrometallurgical Operations Area | HSV-137 | HSV-137-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR11 Former Pyrometallurgical Operations Area | HSV-138 | HSV-138-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR12 Smelter Plateau | PS-SB01 | PS-SB01-0 | 0 | 0 | FIELD SAMPLE | 2/26/2014 |
| NR12 Smelter Plateau | PS-SB02 | PS-SB02-0A | 0 | 0 | FIELD SAMPLE | 2/26/2014 |
| NR12 Smelter Plateau | PS-SB02 | PS-SB02-0B | 0 | 0 | FIELD SAMPLE | 2/26/2014 |
| NR12 Smelter Plateau | PS-SB03 | PS-SB03-0 | 0 | 0 | FIELD SAMPLE | 2/26/2014 |
| NR12 Smelter Plateau | PS-SB04 | PS-SB04-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR12 Smelter Plateau | PS-SB04 | PS-SB04-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR12 Smelter Plateau | PS-SB05 | PS-SB05-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR12 Smelter Plateau | PS-SB05 | PS-SB05-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR12 Smelter Plateau | XRF-641 | XRF-641 (TAILS) b__5/13/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/13/2013 |
| NR12 Smelter Plateau | ASH-HA023 | ASH-HA023-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA023 | ASH-HA023-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA024 | ASH-HA024-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|-----------|---------------|-----------------------|---------------------|--------------|----------------|
| NR12 Smelter Plateau | ASH-HA024 | ASH-HA024-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA025 | ASH-HA025-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA025 | ASH-HA025-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA026 | ASH-HA026-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA026 | ASH-HA026-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA027 | ASH-HA027-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA027 | ASH-HA027-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA028 | ASH-HA028-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA028 | ASH-HA028-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA029 | ASH-HA029-0 | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA030 | ASH-HA030-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA030 | ASH-HA030-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA031 | ASH-HA031-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA031 | ASH-HA031-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA032 | ASH-HA032-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA032 | ASH-HA032-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA033 | ASH-HA033-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA033 | ASH-HA033-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA034 | ASH-HA034-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA034 | ASH-HA034-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA035 | ASH-HA035-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA035 | ASH-HA035-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA036 | ASH-HA036-0 | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA037 | ASH-HA037-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA037 | ASH-HA037-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA038 | ASH-HA038-00A | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HA038 | ASH-HA038-00B | 0 | 0.17 | FIELD SAMPLE | 5/7/2014 |
| NR12 Smelter Plateau | ASH-HAM09 | ASH-HAM09-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM09 | ASH-HAM09-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM10 | ASH-HAM10-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM10 | ASH-HAM10-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM11 | ASH-HAM11-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM12 | ASH-HAM12-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM12 | ASH-HAM12-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM13 | ASH-HAM13-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM13 | ASH-HAM13-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM14 | ASH-HAM14-00 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAN08 | ASH-HAN08-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAN08 | ASH-HAN08-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAN10 | ASH-HAN10-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAN10 | ASH-HAN10-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|-----------|------------------------|-----------------------|---------------------|--------------|----------------|
| NR12 Smelter Plateau | ASH-HAO09 | ASH-HAO09-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAO09 | ASH-HAO09-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAO10 | ASH-HAO10-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAO10 | ASH-HAO10-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAQ09 | ASH-HAQ09-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAQ09 | ASH-HAQ09-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAQ10 | ASH-HAQ10-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAR08 | ASH-HAR08-00 | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAR10 | ASH-HAR10-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAR10 | ASH-HAR10-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAS09 | ASH-HAS09-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAS09 | ASH-HAS09-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAS10 | ASH-HAS10-00A | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAS10 | ASH-HAS10-00B | 0 | 0.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-P12 | ASH-P12-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P12 | ASH-P12-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P14A | ASH-P14A-00 | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P14B | ASH-P14B-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P14B | ASH-P14B-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P14C | ASH-P14C-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P14C | ASH-P14C-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P16 | ASH-P16-00A | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P16 | ASH-P16-00B | 0 | 0.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | SL-SS02 | SL-SS02-00 | 0 | 0.17 | FIELD SAMPLE | 4/10/2014 |
| NR12 Smelter Plateau | SL-SS03 | SL-SS03-00 | 0 | 0.17 | FIELD SAMPLE | 4/10/2014 |
| NR12 Smelter Plateau | XRF-273 | XRF-273 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-275 | XRF-275 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-277 | XRF-277 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-279 | XRF-279 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-281 | XRF-281 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-283 | XRF-283 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-285 | XRF-285 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | HSJ-581 | HSJ-581-0-0_5_5/1/2009 | 0 | 0.5 | FIELD SAMPLE | 5/1/2009 |
| NR12 Smelter Plateau | XRF-281 | XRF-282 | 0.5 | 0.5 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-273 | XRF-274 | 1 | 1 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-275 | XRF-276 | 1 | 1 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-277 | XRF-278 | 1 | 1 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-279 | XRF-280 | 1 | 1 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-283 | XRF-284 | 1 | 1 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | XRF-285 | XRF-286 | 1 | 1 | FIELD SAMPLE | 4/18/2012 |
| NR12 Smelter Plateau | ASH-HA026 | ASH-HA026-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|-----------|---------------|-----------------------|---------------------|--------------|----------------|
| NR12 Smelter Plateau | ASH-HA026 | ASH-HA026-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA027 | ASH-HA027-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA028 | ASH-HA028-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA028 | ASH-HA028-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA029 | ASH-HA029-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA030 | ASH-HA030-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA030 | ASH-HA030-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA037 | ASH-HA037-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA037 | ASH-HA037-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA038 | ASH-HA038-01A | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HA038 | ASH-HA038-01B | 0.83 | 1.17 | FIELD SAMPLE | 5/8/2014 |
| NR12 Smelter Plateau | ASH-HAM09 | ASH-HAM09-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM09 | ASH-HAM09-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM10 | ASH-HAM10-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM10 | ASH-HAM10-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM11 | ASH-HAM11-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM11 | ASH-HAM11-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM12 | ASH-HAM12-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM12 | ASH-HAM12-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM13 | ASH-HAM13-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM13 | ASH-HAM13-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM14 | ASH-HAM14-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAM14 | ASH-HAM14-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAN08 | ASH-HAN08-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAN08 | ASH-HAN08-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAN10 | ASH-HAN10-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAN10 | ASH-HAN10-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAO09 | ASH-HAO09-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAO09 | ASH-HAO09-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAQ09 | ASH-HAQ09-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAQ10 | ASH-HAQ10-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAQ10 | ASH-HAQ10-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAR08 | ASH-HAR08-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAR08 | ASH-HAR08-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAR10 | ASH-HAR10-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAR10 | ASH-HAR10-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAS09 | ASH-HAS09-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAS09 | ASH-HAS09-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAS10 | ASH-HAS10-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-HAS10 | ASH-HAS10-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/24/2014 |
| NR12 Smelter Plateau | ASH-P12 | ASH-P12-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------|-------------------------|-----------------------|---------------------|-----------------|----------------|
| NR12 Smelter Plateau | ASH-P12 | ASH-P12-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P14B | ASH-P14B-01.25A | 1.08 | 1.42 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P14B | ASH-P14B-01.25B | 1.08 | 1.42 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | ASH-P14C | ASH-P14C-01.25 | 1.08 | 1.42 | FIELD SAMPLE | 2/12/2014 |
| NR12 Smelter Plateau | HSJ-508 | HSJ-508-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR12 Smelter Plateau | HSJ-509 | HSJ-509-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR12 Smelter Plateau | HSJ-510 | HSJ-510-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR12 Smelter Plateau | HSJ-511 | HSJ-511-0-2__9/3/2008 | 0 | 2 | FIELD SAMPLE | 9/3/2008 |
| NR12 Smelter Plateau | HSJ-512 | HSJ-512-0-2__9/3/2008 | 0 | 2 | FIELD SAMPLE | 9/3/2008 |
| NR12 Smelter Plateau | HSJ-543 | HSJ-543-0-2__8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR12 Smelter Plateau | HSJ-553 | HSJ-553-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-554 | HSJ-554-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-555 | HSJ-555-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-556 | HSJ-556-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-557 | HSJ-557-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-558 | HSJ-558-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-559 | HSJ-559-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-560 | HSJ-560-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-561 | HSJ-561-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-562 | HSJ-562-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-563 | HSJ-563-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-564 | HSJ-564-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-565 | HSJ-565-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-566 | HSJ-566-0-2__4/29/2009 | 0 | 2 | FIELD SAMPLE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-553 | HSJ-953-0-2__4/29/2009 | 0 | 2 | FIELD DUPLICATE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-558 | HSJ-958-0-2__4/29/2009 | 0 | 2 | FIELD DUPLICATE | 4/29/2009 |
| NR12 Smelter Plateau | HSJ-564 | HSJ-964-0-2__4/29/2009 | 0 | 2 | FIELD DUPLICATE | 4/29/2009 |
| NR12 Smelter Plateau | HSV-103 | HSV-103-0-2__9/3/2008 | 0 | 2 | FIELD SAMPLE | 9/3/2008 |
| NR12 Smelter Plateau | HSV-103 | HSV-103-0-2-D__9/3/2008 | 0 | 2 | FIELD DUPLICATE | 9/3/2008 |
| NR12 Smelter Plateau | HSV-106 | HSV-106-0-2__9/3/2008 | 0 | 2 | FIELD SAMPLE | 9/3/2008 |
| NR12 Smelter Plateau | HSV-106 | HSV-106-0-2-D__9/3/2008 | 0 | 2 | FIELD DUPLICATE | 9/3/2008 |
| NR12 Smelter Plateau | HSV-109 | HSV-109-0-2__9/3/2008 | 0 | 2 | FIELD SAMPLE | 9/3/2008 |
| NR12 Smelter Plateau | HSV-131 | HSV-131-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR12 Smelter Plateau | HSV-132 | HSV-132-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR12 Smelter Plateau | HSV-133 | HSV-133-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR12 Smelter Plateau | HSV-135 | HSV-135-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR12 Smelter Plateau | HSV-136 | HSV-136-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR12 Smelter Plateau | HSV-139 | HSV-139-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR12 Smelter Plateau | HSV-133 | HSV-933-0-2__4/30/2009 | 0 | 2 | FIELD DUPLICATE | 4/30/2009 |
| NR12 Smelter Plateau | PS-SB01 | PS-SB01-2A | 2 | 2 | FIELD SAMPLE | 2/26/2014 |
| NR12 Smelter Plateau | PS-SB01 | PS-SB01-2B | 2 | 2 | FIELD SAMPLE | 2/26/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--|-----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| NR12 Smelter Plateau | PS-SB03 | PS-SB03-2A | 2 | 2 | FIELD SAMPLE | 2/26/2014 |
| NR12 Smelter Plateau | PS-SB03 | PS-SB03-2B | 2 | 2 | FIELD SAMPLE | 2/26/2014 |
| NR12 Smelter Plateau | PS-SB04 | PS-SB04-2A | 2 | 2 | FIELD SAMPLE | 2/27/2014 |
| NR12 Smelter Plateau | PS-SB04 | PS-SB04-2B | 2 | 2 | FIELD SAMPLE | 2/27/2014 |
| NR12 Smelter Plateau | PS-SB05 | PS-SB05-2A | 2 | 2 | FIELD SAMPLE | 2/27/2014 |
| NR12 Smelter Plateau | PS-SB05 | PS-SB05-2B | 2 | 2 | FIELD SAMPLE | 2/27/2014 |
| NR14 South of Former Iron King Mine Property | XRF-699 | XRF-699b__5/15/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/15/2013 |
| NR14 South of Former Iron King Mine Property | XRF-701 | XRF-701a__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR14 South of Former Iron King Mine Property | XRF-703 | XRF-703a__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR14 South of Former Iron King Mine Property | XRF-705 | XRF-705__5/2/2013 | 0 | 0.08 | FIELD SAMPLE | 5/2/2013 |
| NR14 South of Former Iron King Mine Property | XRF-705 | XRF-705a__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR14 South of Former Iron King Mine Property | XRF-707 | XRF-707a__5/31/2013 | 0 | 0.08 | FIELD SAMPLE | 5/31/2013 |
| NR14 South of Former Iron King Mine Property | XRF-709 | XRF-709a__5/15/2013 | 0 | 0.08 | FIELD SAMPLE | 5/15/2013 |
| NR14 South of Former Iron King Mine Property | XRF-727 | XRF-727a__5/16/2013 | 0 | 0.08 | FIELD SAMPLE | 5/16/2013 |
| NR14 South of Former Iron King Mine Property | XRF-729 | XRF-729a__5/16/2013 | 0 | 0.08 | FIELD SAMPLE | 5/16/2013 |
| NR14 South of Former Iron King Mine Property | XRF-731 | XRF-731a__5/20/2013 | 0 | 0.08 | FIELD SAMPLE | 5/20/2013 |
| NR14 South of Former Iron King Mine Property | GAL-028 | GAL-028-0 | 0 | 0.17 | FIELD SAMPLE | 4/3/2014 |
| NR14 South of Former Iron King Mine Property | GAL-028 | GAL-028-0A | 0 | 0.17 | FIELD SAMPLE | 4/3/2014 |
| NR14 South of Former Iron King Mine Property | GAL-028 | GAL-028-0B | 0 | 0.17 | FIELD SAMPLE | 4/3/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA001 | GAL-HA001-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA001 | GAL-HA001-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA002 | GAL-HA002-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA002 | GAL-HA002-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA003 | GAL-HA003-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA003 | GAL-HA003-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA004 | GAL-HA004-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA006 | GAL-HA006-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA006 | GAL-HA006-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA007 | GAL-HA007-00 | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA008 | GAL-HA008-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA008 | GAL-HA008-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-02 | GAL-HA009-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-01 | GAL-HA016-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-01 | GAL-HA016-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA017 | GAL-HA017-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA017 | GAL-HA017-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA018 | GAL-HA018-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA018 | GAL-HA018-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA020 | GAL-HA020-00A | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA020 | GAL-HA020-00B | 0 | 0.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA030 | GAL-HA030-00A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--|-----------|---------------------------|-----------------------|---------------------|-----------------|----------------|
| NR14 South of Former Iron King Mine Property | GAL-HA030 | GAL-HA030-00B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA031 | GAL-HA031-00A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA031 | GAL-HA031-00B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA032 | GAL-HA032-00A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA033 | GAL-HA033-00B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA034 | GAL-HA034-00A | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA034 | GAL-HA034-00B | 0 | 0.17 | FIELD SAMPLE | 5/9/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA092 | IKM-HA092-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA093 | IKM-HA093-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA093 | IKM-HA093-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA095 | IKM-HA095-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA099 | IKM-HA099-00A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA099 | IKM-HA099-00B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR14 South of Former Iron King Mine Property | XRF-727 | XRF-728__5/2/2013 | 0.25 | 0.33 | FIELD SAMPLE | 5/2/2013 |
| NR14 South of Former Iron King Mine Property | XRF-727 | XRF-728a__5/16/2013 | 0.25 | 0.33 | FIELD SAMPLE | 5/16/2013 |
| NR14 South of Former Iron King Mine Property | XRF-727 | XRF-728b__5/16/2013 | 0.25 | 0.33 | FIELD DUPLICATE | 5/16/2013 |
| NR14 South of Former Iron King Mine Property | XRF-729 | XRF-730a__5/20/2013 | 0.25 | 0.33 | FIELD SAMPLE | 5/20/2013 |
| NR14 South of Former Iron King Mine Property | XRF-729 | XRF-730b__5/20/2013 | 0.25 | 0.33 | FIELD DUPLICATE | 5/20/2013 |
| NR14 South of Former Iron King Mine Property | IK-D4 | IK-D4__4/12/2002 | 0 | 0.5 | FIELD SAMPLE | 4/12/2002 |
| NR14 South of Former Iron King Mine Property | IKJ-516 | IKJ-516-0-0_5__9/2/2008 | 0 | 0.5 | FIELD SAMPLE | 9/2/2008 |
| NR14 South of Former Iron King Mine Property | OS-18 | NAI-060S-OS-18__6/5/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/5/2008 |
| NR14 South of Former Iron King Mine Property | OS-20 | NAI-060S-OS-20__6/5/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/5/2008 |
| NR14 South of Former Iron King Mine Property | XRF-731 | XRF-732a__5/16/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/16/2013 |
| NR14 South of Former Iron King Mine Property | XRF-731 | XRF-732b__5/16/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/16/2013 |
| NR14 South of Former Iron King Mine Property | XRF-699 | XRF-700a__5/31/2013 | 0.58 | 0.66 | FIELD SAMPLE | 5/31/2013 |
| NR14 South of Former Iron King Mine Property | XRF-701 | XRF-702b__5/15/2013 | 0.58 | 0.66 | FIELD DUPLICATE | 5/15/2013 |
| NR14 South of Former Iron King Mine Property | XRF-703 | XRF-704a__5/15/2013 | 0.58 | 0.66 | FIELD SAMPLE | 5/15/2013 |
| NR14 South of Former Iron King Mine Property | XRF-703 | XRF-704b__5/15/2013 | 0.58 | 0.66 | FIELD DUPLICATE | 5/15/2013 |
| NR14 South of Former Iron King Mine Property | XRF-705 | XRF-706a__5/30/2013 | 0.58 | 0.66 | FIELD SAMPLE | 5/30/2013 |
| NR14 South of Former Iron King Mine Property | XRF-705 | XRF-706b__5/30/2013 | 0.58 | 0.66 | FIELD DUPLICATE | 5/30/2013 |
| NR14 South of Former Iron King Mine Property | XRF-707 | XRF-708a__5/15/2013 | 0.58 | 0.66 | FIELD SAMPLE | 5/15/2013 |
| NR14 South of Former Iron King Mine Property | XRF-709 | XRF-710a__5/20/2013 | 0.58 | 0.66 | FIELD SAMPLE | 5/20/2013 |
| NR14 South of Former Iron King Mine Property | XRF-709 | XRF-710b__5/20/2013 | 0.58 | 0.66 | FIELD DUPLICATE | 5/20/2013 |
| NR14 South of Former Iron King Mine Property | IKM-HA095 | IKM-HA095-00.5A | 0.33 | 0.67 | FIELD SAMPLE | 2/22/2014 |
| NR14 South of Former Iron King Mine Property | GAL-028 | GAL-028-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/3/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA001 | GAL-HA001-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA001 | GAL-HA001-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/19/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA002 | GAL-HA002-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA003 | GAL-HA003-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA003 | GAL-HA003-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA004 | GAL-HA004-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--|-----------|----------------------------|-----------------------|---------------------|-----------------|----------------|
| NR14 South of Former Iron King Mine Property | GAL-HA004 | GAL-HA004-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA006 | GAL-HA006-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA006 | GAL-HA006-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-02 | GAL-HA009-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-02 | GAL-HA009-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-01 | GAL-HA016-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-01 | GAL-HA016-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA017 | GAL-HA017-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA017 | GAL-HA017-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA018 | GAL-HA018-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | GAL-HA020 | GAL-HA020-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/28/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA092 | IKM-HA092-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA093 | IKM-HA093-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA093 | IKM-HA093-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA099 | IKM-HA099-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| NR14 South of Former Iron King Mine Property | IKM-HA099 | IKM-HA099-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| NR15 Auto Yard | IK-S24 | IK-S24__4/11/2002 | 0 | 0.25 | FIELD SAMPLE | 4/11/2002 |
| NR15 Auto Yard | IKJ-556 | IKJ-556-0-6__9/25/2008 | 0 | 0.5 | FIELD SAMPLE | 9/25/2008 |
| NR15 Auto Yard | IKJ-557 | IKJ-557-0-6__9/25/2008 | 0 | 0.5 | FIELD SAMPLE | 9/25/2008 |
| NR15 Auto Yard | OS-5 | NAI-051C-OS-5__6/4/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/4/2008 |
| NR15 Auto Yard | OS-6 | NAI-051C-OS-6__6/5/2008 | 0 | 0.5 | FIELD SAMPLE | 6/5/2008 |
| NR15 Auto Yard | OS-6 | NAI-051C-OS-6__6/5/2008b | 0 | 0.5 | FIELD SAMPLE | 6/5/2008 |
| NR15 Auto Yard | OS-7 | NAI-051F-OS-7__6/5/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/5/2008 |
| NR15 Auto Yard | OS-1 | NAI-051K-OS-1__6/5/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/5/2008 |
| NR15 Auto Yard | OS-11 | NAI-051K-OS-11__6/5/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/5/2008 |
| NR15 Auto Yard | OS-25 | NAI-051K-OS-25__6/5/2008b | 0 | 0.5 | FIELD SAMPLE | 6/5/2008 |
| NR15 Auto Yard | OS-26 | NAI-051K-OS-26__6/5/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/5/2008 |
| NR15 Auto Yard | OS-4 | NAI-052G-OS-4__6/4/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/4/2008 |
| NR15 Auto Yard | OS-21 | NAI-052K-OS-21__6/4/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/4/2008 |
| NR15 Auto Yard | OS-8 | NAI-052K-OS-8__6/4/2008 | 0 | 0.5 | FIELD SAMPLE | 6/4/2008 |
| NR15 Auto Yard | OS-8 | NAI-052K-OS-8__6/4/2008b | 0 | 0.5 | FIELD SAMPLE | 6/4/2008 |
| NR15 Auto Yard | OS-9 | NAI-052K-OS-9__6/4/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/4/2008 |
| NR15 Auto Yard | OS-10 | NAI-052L-OS-10__6/4/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/4/2008 |
| NR15 Auto Yard | OS-22 | NAI-052L-OS-22__6/4/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/4/2008 |
| NR15 Auto Yard | OS-23 | NAI-052L-OS-23__6/4/2008 | 0 | 0.5 | FIELD SAMPLE | 6/4/2008 |
| NR15 Auto Yard | OS-24 | NAI-052L-OS-24__6/4/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/4/2008 |
| NR15 Auto Yard | OS-8 | NAI-052K-OS-8-D__6/4/2008 | 1 | 1.25 | FIELD DUPLICATE | 6/4/2008 |
| NR15 Auto Yard | OS-6 | NAI-051C-OS-6-D__6/5/2008 | 1 | 1.5 | FIELD DUPLICATE | 6/5/2008 |
| NR15 Auto Yard | OS-25 | NAI-051K-OS-25-D__6/5/2008 | 1 | 1.5 | FIELD DUPLICATE | 6/5/2008 |
| NR15 Auto Yard | IKJ-543 | IKJ-543-0-2__9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR15 Auto Yard | IKJ-544 | IKJ-544-0-2__9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|-----------|--------------------------|-----------------------|---------------------|-----------------|----------------|
| NR15 Auto Yard | IKJ-544 | IKJ-544-0-2-D__9/11/2008 | 0 | 2 | FIELD DUPLICATE | 9/11/2008 |
| NR15 Auto Yard | IKJ-545 | IKJ-545-0-2__9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR15 Auto Yard | IKJ-546 | IKJ-546-0-2__9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR15 Auto Yard | IKJ-547 | IKJ-547-0-2__9/11/2008 | 0 | 2 | FIELD SAMPLE | 9/11/2008 |
| NR15 Auto Yard | IKJ-547 | IKJ-547-0-2-D__9/11/2008 | 0 | 2 | FIELD DUPLICATE | 9/11/2008 |
| NR16 Former Mineworks Area | IKM-HA071 | IKM-HA071-00A | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR16 Former Mineworks Area | IKM-HA071 | IKM-HA071-00B | 0 | 0.17 | FIELD SAMPLE | 2/21/2014 |
| NR16 Former Mineworks Area | IKM-HA072 | IKM-HA072-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA073 | IKM-HA073-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA073 | IKM-HA073-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA074 | IKM-HA074-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA074 | IKM-HA074-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA075 | IKM-HA075-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA075 | IKM-HA075-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA076 | IKM-HA076-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA077 | IKM-HA077-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA077 | IKM-HA077-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA078 | IKM-HA078-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA079 | IKM-HA079-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA079 | IKM-HA079-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA080 | IKM-HA080-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA081 | IKM-HA081-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA081 | IKM-HA081-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA082 | IKM-HA082-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA082 | IKM-HA082-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA083 | IKM-HA083-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA083 | IKM-HA083-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA084 | IKM-HA084-00 | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA085 | IKM-HA085-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA085 | IKM-HA085-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA086 | IKM-HA086-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA087 | IKM-HA087-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA087 | IKM-HA087-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA088 | IKM-HA088-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA088 | IKM-HA088-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA089 | IKM-HA089-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA089 | IKM-HA089-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA090 | IKM-HA090-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA090 | IKM-HA090-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA091 | IKM-HA091-00A | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA091 | IKM-HA091-00B | 0 | 0.17 | FIELD SAMPLE | 2/22/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|------------|------------------------|-----------------------|---------------------|-----------------|----------------|
| NR16 Former Mineworks Area | IKM-HA104 | IKM-HA104-00A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR16 Former Mineworks Area | IKM-HA104 | IKM-HA104-00B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR16 Former Mineworks Area | IKM-HA147A | IKM-HA-147A-0A | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR16 Former Mineworks Area | IKM-HA147A | IKM-HA-147A-0B | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR16 Former Mineworks Area | WR-SS01 | WR-SS01-00 | 0 | 0.17 | FIELD SAMPLE | 4/9/2014 |
| NR16 Former Mineworks Area | WR-SS02 | WR-SS02-00 | 0 | 0.17 | FIELD SAMPLE | 4/9/2014 |
| NR16 Former Mineworks Area | BIO-01 | BIOSS-01 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |
| NR16 Former Mineworks Area | BIO-02 | BIOSS-02 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |
| NR16 Former Mineworks Area | BIO-03 | BIOSS-03 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |
| NR16 Former Mineworks Area | IK-S18 | IK-S18__4/10/2002 | 0 | 0.5 | FIELD SAMPLE | 4/10/2002 |
| NR16 Former Mineworks Area | IK-S25 | IK-S25__4/10/2002 | 0 | 0.5 | FIELD SAMPLE | 4/10/2002 |
| NR16 Former Mineworks Area | IK-S8 | IK-S8__4/9/2002 | 0 | 0.5 | FIELD SAMPLE | 4/9/2002 |
| NR16 Former Mineworks Area | TCLP-1 | TCLP-1-0-0_5_5/3/2010 | 0 | 0.5 | FIELD SAMPLE | 5/3/2010 |
| NR16 Former Mineworks Area | TCLP-1 | TCLP-11-0-0_5_5/3/2010 | 0 | 0.5 | FIELD DUPLICATE | 5/3/2010 |
| NR16 Former Mineworks Area | IKM-HA080 | IKM-HA080-00.5A | 0.33 | 0.67 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA080 | IKM-HA080-00.5B | 0.33 | 0.67 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA071 | IKM-HA071-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/21/2014 |
| NR16 Former Mineworks Area | IKM-HA072 | IKM-HA072-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA072 | IKM-HA072-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA073 | IKM-HA073-01 | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA074 | IKM-HA074-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA074 | IKM-HA074-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA075 | IKM-HA075-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA075 | IKM-HA075-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA076 | IKM-HA076-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA077 | IKM-HA077-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA078 | IKM-HA078-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA078 | IKM-HA078-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA081 | IKM-HA081-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA081 | IKM-HA081-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA082 | IKM-HA082-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA082 | IKM-HA082-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA083 | IKM-HA083-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA083 | IKM-HA083-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA084 | IKM-HA084-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA084 | IKM-HA084-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA085 | IKM-HA085-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA085 | IKM-HA085-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA086 | IKM-HA086-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA086 | IKM-HA086-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA087 | IKM-HA087-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|------------|---------------------------------|-----------------------|---------------------|-----------------|----------------|
| NR16 Former Mineworks Area | IKM-HA087 | IKM-HA087-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA088 | IKM-HA088-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA089 | IKM-HA089-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA089 | IKM-HA089-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA090 | IKM-HA090-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA090 | IKM-HA090-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA091 | IKM-HA091-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA091 | IKM-HA091-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/22/2014 |
| NR16 Former Mineworks Area | IKM-HA104 | IKM-HA104-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| NR16 Former Mineworks Area | IKM-HA104 | IKM-HA104-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| NR16 Former Mineworks Area | IKM-HA147A | IKM-HA-147A-1A | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR16 Former Mineworks Area | IKM-HA147A | IKM-HA-147A-1B | 0.83 | 1.17 | FIELD SAMPLE | 4/2/2014 |
| NR16 Former Mineworks Area | IKJ-501 | IKJ-501-0-2__9/8/2008 | 0 | 2 | FIELD SAMPLE | 9/8/2008 |
| NR16 Former Mineworks Area | IKJ-502 | IKJ-502-0-2__9/8/2008 | 0 | 2 | FIELD SAMPLE | 9/8/2008 |
| NR16 Former Mineworks Area | IKJ-504 | IKJ-504-0-2__9/8/2008 | 0 | 2 | FIELD SAMPLE | 9/8/2008 |
| NR16 Former Mineworks Area | IKJ-504 | IKJ-504-0-2-D__9/8/2008 | 0 | 2 | FIELD DUPLICATE | 9/8/2008 |
| NR16 Former Mineworks Area | IKJ-505 | IKJ-505-0-2__9/9/2008 | 0 | 2 | FIELD SAMPLE | 9/9/2008 |
| NR16 Former Mineworks Area | IKJ-506 | IKJ-506-0-2__9/9/2008 | 0 | 2 | FIELD SAMPLE | 9/9/2008 |
| NR16 Former Mineworks Area | IKJ-506 | IKJ-506-0-2-D__9/9/2008 | 0 | 2 | FIELD DUPLICATE | 9/9/2008 |
| NR16 Former Mineworks Area | IKJ-512 | IKJ-512-0-2__9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR16 Former Mineworks Area | IKJ-515 | IKJ-515-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR16 Former Mineworks Area | IKJ-515 | IKJ-515-0-2-D__9/7/2008 | 0 | 2 | FIELD DUPLICATE | 9/7/2008 |
| NR16 Former Mineworks Area | IKJ-522 | IKJ-522-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR16 Former Mineworks Area | IKJ-523 | IKJ-523-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR16 Former Mineworks Area | IKJ-523 | IKJ-523-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR16 Former Mineworks Area | IKJ-524 | IKJ-524-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR16 Former Mineworks Area | IKJ-540 | IKJ-540-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR16 Former Mineworks Area | IKJ-548 | IKJ-548-0-2 Unsieved__9/15/2008 | 0 | 2 | FIELD SAMPLE | 9/15/2008 |
| NR16 Former Mineworks Area | IKJ-549 | IKJ-549-0-2__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR16 Former Mineworks Area | IKJ-550 | IKJ-550-0-2__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR16 Former Mineworks Area | IKV-118 | IKV-118-0-2__9/8/2008 | 0 | 2 | FIELD SAMPLE | 9/8/2008 |
| NR16 Former Mineworks Area | IKV-119 | IKV-119-0-2__9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR16 Former Mineworks Area | IKV-120 | IKV-120-0-2__9/6/2008 | 0 | 2 | FIELD SAMPLE | 9/6/2008 |
| NR16 Former Mineworks Area | IKV-121 | IKV-121-0-2__9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR16 Former Mineworks Area | IKV-135 | IKV-135-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR16 Former Mineworks Area | IKV-136 | IKV-136-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR16 Former Mineworks Area | IKV-137 | IKV-137-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR16 Former Mineworks Area | IKV-138 | IKV-138-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR16 Former Mineworks Area | IKV-138 | IKV-138-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR16 Former Mineworks Area | IKV-139 | IKV-139-0-2__8/22/2008 | 0 | 2 | FIELD SAMPLE | 8/22/2008 |
| NR16 Former Mineworks Area | IK-S9 | IK-S10__4/8/2002 | 1 | 2 | FIELD DUPLICATE | 4/8/2002 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|-----------|------------------|-----------------------|---------------------|-----------------|----------------|
| NR16 Former Mineworks Area | IK-S11 | IK-S11__4/8/2002 | 1 | 2 | FIELD SAMPLE | 4/8/2002 |
| NR16 Former Mineworks Area | IK-S14 | IK-S14__4/9/2002 | 1 | 2 | FIELD SAMPLE | 4/9/2002 |
| NR16 Former Mineworks Area | IK-S19 | IK-S19__4/9/2002 | 1 | 2 | FIELD SAMPLE | 4/9/2002 |
| NR16 Former Mineworks Area | IK-S26 | IK-S26__4/9/2002 | 1 | 2 | FIELD SAMPLE | 4/9/2002 |
| NR16 Former Mineworks Area | IK-S6 | IK-S6__4/9/2002 | 1 | 2 | FIELD SAMPLE | 4/9/2002 |
| NR16 Former Mineworks Area | IK-S7 | IK-S7__4/9/2002 | 1 | 2 | FIELD SAMPLE | 4/9/2002 |
| NR16 Former Mineworks Area | IK-S9 | IK-S9__4/8/2002 | 1 | 2 | FIELD SAMPLE | 4/8/2002 |
| NR17 Main Tailings Pile | IKM-SB02 | IKM-SB02-0A | 0 | 0 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB02 | IKM-SB02-0B | 0 | 0 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB06 | IKM-SB06-0A | 0 | 0 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB06 | IKM-SB06-0B | 0 | 0 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB07 | IKM-SB07-0A | 0 | 0 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB07 | IKM-SB07-0B | 0 | 0 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB08 | IKM-SB08-0A | 0 | 0 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB08 | IKM-SB08-0B | 0 | 0 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB09 | IKM-SB09-0A | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR17 Main Tailings Pile | IKM-SB09 | IKM-SB09-0B | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR17 Main Tailings Pile | IKM-SB10 | IKM-SB10-0A | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR17 Main Tailings Pile | IKM-SB10 | IKM-SB10-0B | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR17 Main Tailings Pile | IKM-SB11 | IKM-SB11-0A | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR17 Main Tailings Pile | IKM-SB11 | IKM-SB11-0B | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR17 Main Tailings Pile | IKM-HA105 | IKM-HA105-00A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR17 Main Tailings Pile | IKM-HA105 | IKM-HA105-00B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR17 Main Tailings Pile | IKM-HA106 | IKM-HA106-00A | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR17 Main Tailings Pile | IKM-HA106 | IKM-HA106-00B | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR17 Main Tailings Pile | MTP-SB01 | MTP-SB01-0 | 0 | 0.17 | FIELD SAMPLE | 4/2/2014 |
| NR17 Main Tailings Pile | MTP-SB02 | MTP-SB02-0 | 0 | 0.17 | FIELD SAMPLE | 4/3/2014 |
| NR17 Main Tailings Pile | MTP-SB03 | MTP-SB03-0 | 0 | 0.17 | FIELD SAMPLE | 4/7/2014 |
| NR17 Main Tailings Pile | MTP-SS02 | MTP-SS02-00 | 0 | 0.17 | FIELD SAMPLE | 4/9/2014 |
| NR17 Main Tailings Pile | MTP-SS03 | MTP-SS03-00 | 0 | 0.17 | FIELD SAMPLE | 4/9/2014 |
| NR17 Main Tailings Pile | MTP-SS04 | MTP-SS04-00 | 0 | 0.17 | FIELD SAMPLE | 4/9/2014 |
| NR17 Main Tailings Pile | MTP-SS05 | MTP-SS05-00 | 0 | 0.17 | FIELD SAMPLE | 4/9/2014 |
| NR17 Main Tailings Pile | MTP-SS06 | MTP-SS06-00 | 0 | 0.17 | FIELD SAMPLE | 4/9/2014 |
| NR17 Main Tailings Pile | MTP-SS07 | MTP-SS07-00 | 0 | 0.17 | FIELD SAMPLE | 4/9/2014 |
| NR17 Main Tailings Pile | MTP-SS01 | MTP-SS101-00 | 0 | 0.17 | FIELD DUPLICATE | 4/9/2014 |
| NR17 Main Tailings Pile | IKM-SB03 | IKM-SB03-0.2A | 0.2 | 0.2 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB03 | IKM-SB03-0.2B | 0.2 | 0.2 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IK-D7 | IK-D7__4/11/2002 | 0 | 0.25 | FIELD SAMPLE | 4/11/2002 |
| NR17 Main Tailings Pile | IK-D7 | IK-D8__4/11/2002 | 0 | 0.25 | FIELD DUPLICATE | 4/11/2002 |
| NR17 Main Tailings Pile | BIO-07 | BIOSS-07 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |
| NR17 Main Tailings Pile | BIO-08 | BIOSS-08 | 0 | 0.5 | FIELD SAMPLE | 2/27/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|-----------|-------------------------------|-----------------------|---------------------|-----------------|----------------|
| NR17 Main Tailings Pile | IKJ-555 | IKJ-555-0-6__9/15/2008 | 0 | 0.5 | FIELD SAMPLE | 9/15/2008 |
| NR17 Main Tailings Pile | IKJ-583 | IKJ-583-0-0_5__5/2/2009 | 0 | 0.5 | FIELD SAMPLE | 5/2/2009 |
| NR17 Main Tailings Pile | IKJ-583 | IKJ-983-0-0_5__5/2/2009 | 0 | 0.5 | FIELD DUPLICATE | 5/2/2009 |
| NR17 Main Tailings Pile | OS-12 | NAI-060S-OS-12__6/6/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/6/2008 |
| NR17 Main Tailings Pile | OS-13 | NAI-060S-OS-13__6/6/2008 | 0 | 0.5 | FIELD SAMPLE | 6/6/2008 |
| NR17 Main Tailings Pile | OS-14 | NAI-060S-OS-14__6/6/2008b | 0 | 0.5 | FIELD SAMPLE | 6/6/2008 |
| NR17 Main Tailings Pile | OS-15 | NAI-060S-OS-15__6/6/2008b | 0 | 0.5 | FIELD DUPLICATE | 6/6/2008 |
| NR17 Main Tailings Pile | OS-17 | NAI-060S-OS-17__6/5/2008b | 0 | 0.5 | FIELD SAMPLE | 6/5/2008 |
| NR17 Main Tailings Pile | OS-17 | NAI-060S-OS-17-D__6/5/2008 | 0 | 0.5 | FIELD DUPLICATE | 6/5/2008 |
| NR17 Main Tailings Pile | OS-19 | NAI-060S-OS-19__6/6/2008 | 0 | 0.5 | FIELD SAMPLE | 6/6/2008 |
| NR17 Main Tailings Pile | OS-19 | NAI-060S-OS-19__6/6/2008b | 0 | 0.5 | FIELD SAMPLE | 6/6/2008 |
| NR17 Main Tailings Pile | S02 | NAI-S02__3/20/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/20/2008 |
| NR17 Main Tailings Pile | S1 | NAI-S1__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR17 Main Tailings Pile | S15 | NAI-S15__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR17 Main Tailings Pile | S16 | NAI-S16__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR17 Main Tailings Pile | S17 | NAI-S17__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR17 Main Tailings Pile | S19 | NAI-S19__3/20/2008b | 0 | 0.5 | FIELD SAMPLE | 3/20/2008 |
| NR17 Main Tailings Pile | S20 | NAI-S20__3/20/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/20/2008 |
| NR17 Main Tailings Pile | S25 | NAI-S25__3/20/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/20/2008 |
| NR17 Main Tailings Pile | S26 | NAI-S26__3/20/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/20/2008 |
| NR17 Main Tailings Pile | TCLP-2 | TCLP-12-0-0_5__5/8/2010 | 0 | 0.5 | FIELD DUPLICATE | 5/8/2010 |
| NR17 Main Tailings Pile | TCLP-2 | TCLP-2-0-0_5__5/8/2010 | 0 | 0.5 | FIELD SAMPLE | 5/8/2010 |
| NR17 Main Tailings Pile | IKM-SB01 | IKM-SB01-0.5A | 0.5 | 0.5 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB01 | IKM-SB01-0.5B | 0.5 | 0.5 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB04 | IKM-SB04-0.5A | 0.5 | 0.5 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB04 | IKM-SB04-0.5B | 0.5 | 0.5 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB05 | IKM-SB05-0.5A | 0.5 | 0.5 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | IKM-SB05 | IKM-SB05-0.5B | 0.5 | 0.5 | FIELD SAMPLE | 2/5/2014 |
| NR17 Main Tailings Pile | S19 | NAI-S19-D__3/20/2008 | 0.5 | 0.83 | FIELD DUPLICATE | 3/20/2008 |
| NR17 Main Tailings Pile | IKM-HA105 | IKM-HA105-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| NR17 Main Tailings Pile | IKM-HA105 | IKM-HA105-01B | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| NR17 Main Tailings Pile | IKM-HA106 | IKM-HA106-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| NR17 Main Tailings Pile | OS-14 | NAI-060S-OS-14-D__6/6/2008 | 1 | 1.5 | FIELD DUPLICATE | 6/6/2008 |
| NR17 Main Tailings Pile | OS-19 | NAI-060S-OS-19-D__6/6/2008 | 1 | 1.5 | FIELD DUPLICATE | 6/6/2008 |
| NR17 Main Tailings Pile | IKJ-525 | IKJ-525-0-2 Sieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR17 Main Tailings Pile | IKJ-525 | IKJ-525-0-2__8/20/2008 | 0 | 2 | FIELD SAMPLE | 8/20/2008 |
| NR17 Main Tailings Pile | IKJ-525 | IKJ-525-0-2-D__8/20/2008 | 0 | 2 | FIELD DUPLICATE | 8/20/2008 |
| NR17 Main Tailings Pile | IKJ-526 | IKJ-526-0-2__8/19/2008 | 0 | 2 | FIELD SAMPLE | 8/19/2008 |
| NR17 Main Tailings Pile | IKJ-527 | IKJ-527-0-2__8/19/2008 | 0 | 2 | FIELD SAMPLE | 8/19/2008 |
| NR17 Main Tailings Pile | IKJ-528 | IKJ-528-0-2__8/19/2008 | 0 | 2 | FIELD SAMPLE | 8/19/2008 |
| NR17 Main Tailings Pile | IKJ-529 | IKJ-529-0-2__8/19/2008 | 0 | 2 | FIELD SAMPLE | 8/19/2008 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--|-----------|---------------------------------|-----------------------|---------------------|-----------------|----------------|
| NR17 Main Tailings Pile | IKJ-530 | IKJ-530-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR17 Main Tailings Pile | IKJ-530 | IKJ-530-0-2__8/19/2008 | 0 | 2 | FIELD SAMPLE | 8/19/2008 |
| NR17 Main Tailings Pile | IKV-101 | IKV-101-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR17 Main Tailings Pile | IKV-101 | IKV-101-0-2__8/20/2008 | 0 | 2 | FIELD SAMPLE | 8/20/2008 |
| NR17 Main Tailings Pile | IKV-102 | IKV-102-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR17 Main Tailings Pile | IKV-103 | IKV-103-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR17 Main Tailings Pile | IKV-104 | IKV-104-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR17 Main Tailings Pile | IKV-104 | IKV-104-0-2__8/20/2008 | 0 | 2 | FIELD SAMPLE | 8/20/2008 |
| NR17 Main Tailings Pile | IKV-105 | IKV-105-0-2 Unsieved__9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR17 Main Tailings Pile | IKV-105 | IKV-105-0-2__8/20/2008 | 0 | 2 | FIELD SAMPLE | 8/20/2008 |
| NR17 Main Tailings Pile | IKV-106 | IKV-106-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR17 Main Tailings Pile | IKV-107 | IKV-107-0-2__8/19/2008 | 0 | 2 | FIELD SAMPLE | 8/19/2008 |
| NR17 Main Tailings Pile | IKV-108 | IKV-108-0-2__8/19/2008 | 0 | 2 | FIELD SAMPLE | 8/19/2008 |
| NR17 Main Tailings Pile | IKV-109 | IKV-109-0-2__8/19/2008 | 0 | 2 | FIELD SAMPLE | 8/19/2008 |
| NR17 Main Tailings Pile | IKV-109 | IKV-109-0-2-D__8/19/2008 | 0 | 2 | FIELD DUPLICATE | 8/19/2008 |
| NR17 Main Tailings Pile | IKV-110 | IKV-110-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR17 Main Tailings Pile | IKV-112 | IKV-112-0-2__8/19/2008 | 0 | 2 | FIELD SAMPLE | 8/19/2008 |
| NR17 Main Tailings Pile | IK-S1 | IK-S1__4/11/2002 | 1 | 2 | FIELD SAMPLE | 4/11/2002 |
| NR17 Main Tailings Pile | IK-S2 | IK-S2__4/11/2002 | 1 | 2 | FIELD SAMPLE | 4/11/2002 |
| NR17 Main Tailings Pile | IK-S2 | IK-S3__4/11/2002 | 1 | 2 | FIELD DUPLICATE | 4/11/2002 |
| NR17 Main Tailings Pile | IK-S4 | IK-S4__4/11/2002 | 1 | 2 | FIELD SAMPLE | 4/11/2002 |
| NR18 North American Industries Operations Area | IKM-HA103 | IKM-HA103-00 | 0 | 0.17 | FIELD SAMPLE | 2/26/2014 |
| NR18 North American Industries Operations Area | OFS-264-1 | OFS-264-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | OFS-264-2 | OFS-264-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | OFS-264-3 | OFS-264-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | OFS-264-4 | OFS-264-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | OFS-264-5 | OFS-264-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | OFS-264-6 | OFS-264-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | OFS-264-7 | OFS-264-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | OFS-264-8 | OFS-264-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | OFS-264-9 | OFS-264-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | OFS-264-1 | OFS-864-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| NR18 North American Industries Operations Area | IK-S27 | IK-S27__4/11/2002 | 0 | 0.25 | FIELD SAMPLE | 4/11/2002 |
| NR18 North American Industries Operations Area | IK-S27 | IK-S28__4/11/2002 | 0 | 0.25 | FIELD DUPLICATE | 4/11/2002 |
| NR18 North American Industries Operations Area | S04 | NAI-S04__3/20/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/20/2008 |
| NR18 North American Industries Operations Area | S05 | NAI-S05__3/20/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/20/2008 |
| NR18 North American Industries Operations Area | S10 | NAI-S10__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR18 North American Industries Operations Area | S11 | NAI-S11__3/19/2008 | 0 | 0.5 | FIELD SAMPLE | 3/19/2008 |
| NR18 North American Industries Operations Area | S12 | NAI-S12__3/19/2008b | 0 | 0.5 | FIELD SAMPLE | 3/19/2008 |
| NR18 North American Industries Operations Area | S13 | NAI-S13__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR18 North American Industries Operations Area | S14 | NAI-S14__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|--|-----------|--------------------------|-----------------------|---------------------|-----------------|----------------|
| NR18 North American Industries Operations Area | S18 | NAI-S18__3/20/2008b | 0 | 0.5 | FIELD SAMPLE | 3/20/2008 |
| NR18 North American Industries Operations Area | S21 | NAI-S21__3/19/2008 | 0 | 0.5 | FIELD SAMPLE | 3/19/2008 |
| NR18 North American Industries Operations Area | S21 | NAI-S21__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR18 North American Industries Operations Area | S22 | NAI-S22__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR18 North American Industries Operations Area | S23 | NAI-S23__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR18 North American Industries Operations Area | S24 | NAI-S24__3/19/2008b | 0 | 0.5 | FIELD DUPLICATE | 3/19/2008 |
| NR18 North American Industries Operations Area | S18 | NAI-S18-D__3/20/2008 | 0.5 | 1 | FIELD DUPLICATE | 3/20/2008 |
| NR18 North American Industries Operations Area | OFS-264-1 | OFS-264-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| NR18 North American Industries Operations Area | IKM-HA103 | IKM-HA103-01A | 0.83 | 1.17 | FIELD SAMPLE | 2/26/2014 |
| NR18 North American Industries Operations Area | S12 | NAI-S12-D__3/19/2008 | 1 | 1.25 | FIELD DUPLICATE | 3/19/2008 |
| NR18 North American Industries Operations Area | S11 | NAI-S11-D__3/19/2008 | 1 | 1.5 | FIELD DUPLICATE | 3/19/2008 |
| NR18 North American Industries Operations Area | IKJ-531 | IKJ-531-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR18 North American Industries Operations Area | IKJ-532 | IKJ-532-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR18 North American Industries Operations Area | IKJ-533 | IKJ-533-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR18 North American Industries Operations Area | IKJ-534 | IKJ-534-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR18 North American Industries Operations Area | IKJ-535 | IKJ-535-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR18 North American Industries Operations Area | IKJ-536 | IKJ-536-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR18 North American Industries Operations Area | IKV-111 | IKV-111-0-2__8/18/2008 | 0 | 2 | FIELD SAMPLE | 8/18/2008 |
| NR18 North American Industries Operations Area | IKV-111 | IKV-111-0-2-D__8/18/2008 | 0 | 2 | FIELD DUPLICATE | 8/18/2008 |
| NR18 North American Industries Operations Area | IK-S22 | IK-S22__4/11/2002 | 1 | 2 | FIELD SAMPLE | 4/11/2002 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-1 | OFS-266-1__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-1 | OFS-866-1__5/13/2010 | 0 | 0.2 | FIELD DUPLICATE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-1 | OFS-266-1-A__5/13/2010 | 0.8 | 1 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-2 | OFS-266-2__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-3 | OFS-266-3__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-4 | OFS-266-4__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-5 | OFS-266-5__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-6 | OFS-266-6__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-7 | OFS-266-7__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-8 | OFS-266-8__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | OFS-266-9 | OFS-266-9__5/13/2010 | 0 | 0.2 | FIELD SAMPLE | 5/13/2010 |
| NR2 Dewey-Humboldt Town Hall | XRF-001 | XRF-1 | 0.8 | 1 | FIELD DUPLICATE | 1/10/2012 |
| NR2 Humboldt Elementary School | OFS-123-1 | OFS-123-1__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-2 | OFS-123-2__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-3 | OFS-123-3__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-4 | OFS-123-4__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-4 | OFS-123-4-D__9/19/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-5 | OFS-123-5__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-5 | OFS-123-5-D__9/19/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-6 | OFS-123-6__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-7 | OFS-123-7__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|-----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| NR2 Humboldt Elementary School | OFS-123-8 | OFS-123-8__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-9 | OFS-123-9__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-123-9 | OFS-123-9-D__9/19/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-1 | OFS-124-1__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-2 | OFS-124-2__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-3 | OFS-124-3__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-4 | OFS-124-4__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-5 | OFS-124-5__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-6 | OFS-124-6__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-7 | OFS-124-7__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-8 | OFS-124-8__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-8 | OFS-124-8-D__9/19/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-9 | OFS-124-9__9/19/2008 | 0 | 0.2 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-125-1 | OFS-125-1__9/20/2008 | 0 | 0.2 | FIELD SAMPLE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-2 | OFS-125-2__9/20/2008 | 0 | 0.2 | FIELD SAMPLE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-2 | OFS-125-2-D__9/20/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-3 | OFS-125-3__9/20/2008 | 0 | 0.2 | FIELD SAMPLE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-4 | OFS-125-4__9/20/2008 | 0 | 0.2 | FIELD SAMPLE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-5 | OFS-125-5__9/20/2008 | 0 | 0.2 | FIELD SAMPLE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-6 | OFS-125-6__9/20/2008 | 0 | 0.2 | FIELD SAMPLE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-7 | OFS-125-7__9/20/2008 | 0 | 0.2 | FIELD SAMPLE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-8 | OFS-125-8__9/20/2008 | 0 | 0.2 | FIELD SAMPLE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-8 | OFS-125-8-D__9/20/2008 | 0 | 0.2 | FIELD DUPLICATE | 9/20/2008 |
| NR2 Humboldt Elementary School | OFS-125-9 | OFS-125-9__9/20/2008 | 0 | 0.2 | FIELD SAMPLE | 9/20/2008 |
| NR2 Humboldt Elementary School | HS-34 | HS-34SS__1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR2 Humboldt Elementary School | HS-35 | HS-35SS__1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR2 Humboldt Elementary School | OFS-123-4 | OFS-123-4-A__9/19/2008 | 0.8 | 1 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-124-1 | OFS-124-1-A__9/19/2008 | 0.8 | 1 | FIELD SAMPLE | 9/19/2008 |
| NR2 Humboldt Elementary School | OFS-125-7 | OFS-125-7-A__9/20/2008 | 0.8 | 1 | FIELD SAMPLE | 9/20/2008 |
| NR4 JT Septic Facility | XRF-415 | XRF-415a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR4 JT Septic Facility | XRF-415 | XRF-415b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR4 JT Septic Facility | XRF-417 | XRF-417a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR4 JT Septic Facility | XRF-417 | XRF-417b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR4 JT Septic Facility | XRF-419 | XRF-419a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR4 JT Septic Facility | XRF-421 | XRF-421a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR4 JT Septic Facility | XRF-421 | XRF-421b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| NR4 JT Septic Facility | XRF-416 | XRF-416a__5/31/2013 | 0.91 | 1 | FIELD SAMPLE | 5/31/2013 |
| NR4 JT Septic Facility | XRF-416 | XRF-416b__5/31/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/31/2013 |
| NR4 JT Septic Facility | XRF-418 | XRF-418a__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| NR4 JT Septic Facility | XRF-418 | XRF-418b__4/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/30/2013 |
| NR4 JT Septic Facility | XRF-420 | XRF-420a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|-----------|-------------------------------|-----------------------|---------------------|-----------------|----------------|
| NR4 JT Septic Facility | XRF-420 | XRF-420b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| NR4 JT Septic Facility | XRF-422 | XRF-422__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| NR4 JT Septic Facility | XRF-422 | XRF-422a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | CHU-SB01 | CHU-SB01-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR5 Main Tailings Pile 1964 Blow Out Path | CHU-SB02 | CHU-SB02-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR5 Main Tailings Pile 1964 Blow Out Path | CHU-SB02 | CHU-SB02-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR5 Main Tailings Pile 1964 Blow Out Path | CHU-SB03 | CHU-SB03-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR5 Main Tailings Pile 1964 Blow Out Path | CHU-SB04 | CHU-SB04-0A | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR5 Main Tailings Pile 1964 Blow Out Path | CHU-SB04 | CHU-SB04-0B | 0 | 0 | FIELD SAMPLE | 2/27/2014 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-425 | XRF-425a__5/30/2013 | 0 | 0.08 | FIELD SAMPLE | 5/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-425 | XRF-425b__5/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-427 | XRF-427a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-427 | XRF-427b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-429 | XRF-429a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-431 | XRF-431a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-433 | XRF-433a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-435 | XRF-435a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-437 | XRF-437__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-437 | XRF-437a__5/31/2013 | 0 | 0.08 | FIELD SAMPLE | 5/31/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-439 | XRF-439a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-439 | XRF-439b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-441 | XRF-441a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-441 | XRF-441b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-443 | XRF-443a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-445 | XRF-445a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-445 | XRF-445b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-447 | XRF-447a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-447 | XRF-447b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-450 | XRF-450D a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-450 | XRF-450D b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-454 | XRF-454a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-551 | XRF-551a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-553 | XRF-553a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-553 | XRF-553b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-556 | XRF-556b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-559 | XRF-559__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-561.1 | XRF-561b shallow a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-561.1 | XRF-561b shallow b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-563 | XRF-563a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-029 | XRF-029__1/10/2012 | 0 | 0.2 | FIELD SAMPLE | 1/10/2012 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-029 | XRF-029b__1/10/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/10/2012 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|-----------|----------------------------|-----------------------|---------------------|-----------------|----------------|
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-030 | XRF-030b__1/10/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/10/2012 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-030 | XRF-030c__1/10/2012 | 0 | 0.2 | FIELD DUPLICATE | 1/10/2012 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-442 | XRF-442a__5/8/2013 | 0.75 | 0.83 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-442 | XRF-442b__5/8/2013 | 0.75 | 0.83 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-426 | XRF-426a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-426 | XRF-426b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-427 | XRF-428a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-429 | XRF-430a__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-429 | XRF-430b__4/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-432 | XRF-432a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-432 | XRF-432b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-433 | XRF-434a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-433 | XRF-434b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-436 | XRF-436a__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-439 | XRF-440a__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-439 | XRF-440b__4/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-442.1 | XRF-442Mid a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-442.1 | XRF-442Mid b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-446 | XRF-446a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-446 | XRF-446b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-448 | XRF-448a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-448 | XRF-448b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-450 | XRF-451S a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-450 | XRF-451S b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-455 | XRF-455a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-455 | XRF-455b__5/8/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-561.1 | XRF-562a__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-563 | XRF-564deep a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-563 | XRF-564deep b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-551 | XRF-552a__4/30/2013 | 1.08 | 1.16 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-551 | XRF-552b__4/30/2013 | 1.08 | 1.16 | FIELD DUPLICATE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-556 | XRF-557a__5/31/2013 | 1.08 | 1.16 | FIELD SAMPLE | 5/31/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-553 | XRF-554a__4/30/2013 | 1.16 | 1.25 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-553 | XRF-554b__4/30/2013 | 1.16 | 1.25 | FIELD DUPLICATE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-559 | XRF-560a__5/30/2013 | 1.25 | 1.33 | FIELD SAMPLE | 5/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-559 | XRF-560b__5/30/2013 | 1.25 | 1.33 | FIELD DUPLICATE | 5/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-438 | XRF-438a__5/8/2013 | 1.41 | 1.5 | FIELD SAMPLE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-438 | XRF-438b__5/8/2013 | 1.41 | 1.5 | FIELD DUPLICATE | 5/8/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-443 | XRF-444a__4/30/2013 | 1.41 | 1.5 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-443 | XRF-444b__4/30/2013 | 1.41 | 1.5 | FIELD DUPLICATE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-559 | XRF-561a deep b__4/30/2013 | 1.41 | 1.5 | FIELD DUPLICATE | 4/30/2013 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|---|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-553 | XRF-555a__4/30/2013 | 1.91 | 2 | FIELD SAMPLE | 4/30/2013 |
| NR5 Main Tailings Pile 1964 Blow Out Path | XRF-553 | XRF-555b__4/30/2013 | 1.91 | 2 | FIELD DUPLICATE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | CH-SB02 | CH-SB02-OA | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR6 Middle Chaparral Gulch | CH-SB02 | CH-SB02-OB | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR6 Middle Chaparral Gulch | CH-SB03 | CH-SB03-OA | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR6 Middle Chaparral Gulch | CH-SB03 | CH-SB03-OB | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR6 Middle Chaparral Gulch | CH-SB05 | CH-SB05-OA | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR6 Middle Chaparral Gulch | CH-SB05 | CH-SB05-OB | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR6 Middle Chaparral Gulch | CH-SB08 | CH-SB08-OA | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| NR6 Middle Chaparral Gulch | CH-SB08 | CH-SB08-OB | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| NR6 Middle Chaparral Gulch | CH-SB10 | CH-SB10-OA | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| NR6 Middle Chaparral Gulch | CH-SB10 | CH-SB10-OB | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| NR6 Middle Chaparral Gulch | CH-SB11 | CH-SB11-OA | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| NR6 Middle Chaparral Gulch | CH-SB11 | CH-SB11-OB | 0 | 0 | FIELD SAMPLE | 2/9/2014 |
| NR6 Middle Chaparral Gulch | CH-SB12 | CH-SB12-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB12 | CH-SB12-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB13 | CH-SB13-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB13 | CH-SB13-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB14 | CH-SB14-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB14 | CH-SB14-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB14B | CH-SB14B-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB14B | CH-SB14B-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB15 | CH-SB15-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB15 | CH-SB15-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB16 | CH-SB16-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB16 | CH-SB16-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB17 | CH-SB17-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB17 | CH-SB17-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB18 | CH-SB18-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB18 | CH-SB18-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB19 | CH-SB19-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB19 | CH-SB19-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB20 | CH-SB20-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB20 | CH-SB20-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB21 | CH-SB21-OA | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB21 | CH-SB21-OB | 0 | 0 | FIELD SAMPLE | 2/10/2014 |
| NR6 Middle Chaparral Gulch | CH-SB22 | CH-SB22-OA | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB22 | CH-SB22-OB | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB23 | CH-SB23-OB | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB24 | CH-SB24-OA | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB24 | CH-SB24-OB | 0 | 0 | FIELD SAMPLE | 2/11/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------|----------------------|-----------------------|---------------------|-----------------|----------------|
| NR6 Middle Chaparral Gulch | CH-SB25 | CH-SB25-OB | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB26 | CH-SB26-0A | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB26 | CH-SB26-OB | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB27 | CH-SB27-0A | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB27 | CH-SB27-OB | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB28 | CH-SB28-OB | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR6 Middle Chaparral Gulch | CH-SB29 | CH-SB29-0A | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR6 Middle Chaparral Gulch | CH-SB30 | CH-SB30-0A | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR6 Middle Chaparral Gulch | CH-SB30 | CH-SB30-OB | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR6 Middle Chaparral Gulch | CH-SB31 | CH-SB31-0A | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR6 Middle Chaparral Gulch | CH-SB31 | CH-SB31-OB | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR6 Middle Chaparral Gulch | XRF-452 | XRF-452D a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR6 Middle Chaparral Gulch | XRF-452 | XRF-452D b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| NR6 Middle Chaparral Gulch | XRF-456 | XRF-456a__5/8/2013 | 0 | 0.08 | FIELD SAMPLE | 5/8/2013 |
| NR6 Middle Chaparral Gulch | XRF-456 | XRF-456b__5/8/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/8/2013 |
| NR6 Middle Chaparral Gulch | XRF-465 | XRF-465a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-467 | XRF-467a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-469 | XRF-469a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-471 | XRF-471a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-471 | XRF-471b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-473 | XRF-473__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-475 | XRF-475a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-475 | XRF-475b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-475 | XRF-477a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-475 | XRF-477b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-568 | XRF-568a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-572 | XRF-572a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-572 | XRF-572b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-574 | XRF-574a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-574 | XRF-574b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-576 | XRF-576__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-576 | XRF-576a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-576 | XRF-576b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-578 | XRF-578a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-578 | XRF-578b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-580 | XRF-580a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-580 | XRF-580b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-582 | XRF-582a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-586 | XRF-586a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-586 | XRF-586b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-588 | XRF-588a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------|----------------------------|-----------------------|---------------------|-----------------|----------------|
| NR6 Middle Chaparral Gulch | XRF-588 | XRF-588b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-590 | XRF-590__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-590 | XRF-590b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-855 | XRF-855a__5/21/2013 | 0 | 0.08 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-857 | XRF-857b__5/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-859 | XRF-859a__5/21/2013 | 0 | 0.08 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-859 | XRF-859b__5/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-861 | XRF-861a__5/28/2013 | 0 | 0.08 | FIELD SAMPLE | 5/28/2013 |
| NR6 Middle Chaparral Gulch | XRF-861 | XRF-861b__5/28/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/28/2013 |
| NR6 Middle Chaparral Gulch | XRF-863 | XRF-863a__5/31/2013 | 0 | 0.08 | FIELD SAMPLE | 5/31/2013 |
| NR6 Middle Chaparral Gulch | XRF-863 | XRF-863b__5/31/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/31/2013 |
| NR6 Middle Chaparral Gulch | XRF-865 | XRF-865b__5/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-867 | XRF-867a__5/21/2013 | 0 | 0.08 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-867 | XRF-867b__5/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-869 | XRF-869a__5/21/2013 | 0 | 0.08 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-869 | XRF-869b__5/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-871 | XRF-871a__5/21/2013 | 0 | 0.08 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-871 | XRF-871b__5/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-873 | XRF-873b__5/28/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/28/2013 |
| NR6 Middle Chaparral Gulch | XRF-875 | XRF-875a__5/21/2013 | 0 | 0.08 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-877 | XRF-877b__5/22/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-879 | XRF-879b__5/22/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-881 | XRF-881__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| NR6 Middle Chaparral Gulch | XRF-881 | XRF-881b__5/22/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-883 | XRF-883a__5/22/2013 | 0 | 0.08 | FIELD SAMPLE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-883 | XRF-883b__5/22/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | IK-D10 | IK-D10__4/12/2002 | 0 | 0.25 | FIELD SAMPLE | 4/12/2002 |
| NR6 Middle Chaparral Gulch | XRF-467 | XRF-468 middle a__5/9/2013 | 0.58 | 0.66 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-453 | XRF-453a__5/8/2013 | 0.91 | 1 | FIELD SAMPLE | 5/8/2013 |
| NR6 Middle Chaparral Gulch | XRF-456 | XRF-457a__5/31/2013 | 0.91 | 1 | FIELD SAMPLE | 5/31/2013 |
| NR6 Middle Chaparral Gulch | XRF-465 | XRF-466b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-469 | XRF-470a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-469 | XRF-470b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-471 | XRF-472b__4/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-473 | XRF-474b__4/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-475 | XRF-476a__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-475 | XRF-476b__4/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-475 | XRF-478a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-475 | XRF-478b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-568 | XRF-569a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-572 | XRF-573b__5/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/30/2013 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| NR6 Middle Chaparral Gulch | XRF-576 | XRF-577b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-578 | XRF-579a__5/31/2013 | 0.91 | 1 | FIELD SAMPLE | 5/31/2013 |
| NR6 Middle Chaparral Gulch | XRF-578 | XRF-579b__5/31/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/31/2013 |
| NR6 Middle Chaparral Gulch | XRF-580 | XRF-581a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-582 | XRF-583b__5/31/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/31/2013 |
| NR6 Middle Chaparral Gulch | XRF-586 | XRF-587a__5/9/2013 | 0.91 | 1 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-590 | XRF-591a__5/10/2013 | 0.91 | 1 | FIELD SAMPLE | 5/10/2013 |
| NR6 Middle Chaparral Gulch | XRF-855 | XRF-856__5/1/2013 | 0.91 | 1 | FIELD SAMPLE | 5/1/2013 |
| NR6 Middle Chaparral Gulch | XRF-855 | XRF-856b__5/21/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-857 | XRF-858a__5/21/2013 | 0.91 | 1 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-857 | XRF-858b__5/21/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-859 | XRF-860a__5/21/2013 | 0.91 | 1 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-861 | XRF-862a__5/21/2013 | 0.91 | 1 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-861 | XRF-862b__5/21/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-863 | XRF-864a__5/21/2013 | 0.91 | 1 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-863 | XRF-864b__5/21/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-865 | XRF-866a__5/28/2013 | 0.91 | 1 | FIELD SAMPLE | 5/28/2013 |
| NR6 Middle Chaparral Gulch | XRF-865 | XRF-866b__5/28/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/28/2013 |
| NR6 Middle Chaparral Gulch | XRF-867 | XRF-868b__5/21/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-869 | XRF-870a__5/21/2013 | 0.91 | 1 | FIELD SAMPLE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-869 | XRF-870b__5/21/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-871 | XRF-872b__5/21/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/21/2013 |
| NR6 Middle Chaparral Gulch | XRF-873 | XRF-874a__5/30/2013 | 0.91 | 1 | FIELD SAMPLE | 5/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-873 | XRF-874b__5/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/30/2013 |
| NR6 Middle Chaparral Gulch | XRF-875 | XRF-876b__5/22/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-877 | XRF-878b__5/22/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-879 | XRF-880a__5/28/2013 | 0.91 | 1 | FIELD SAMPLE | 5/28/2013 |
| NR6 Middle Chaparral Gulch | XRF-879 | XRF-880b__5/28/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/28/2013 |
| NR6 Middle Chaparral Gulch | XRF-881 | XRF-882a__5/22/2013 | 0.91 | 1 | FIELD SAMPLE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-881 | XRF-882b__5/22/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-883 | XRF-884a__5/22/2013 | 0.91 | 1 | FIELD SAMPLE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-883 | XRF-884b__5/22/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/22/2013 |
| NR6 Middle Chaparral Gulch | XRF-467 | XRF-468a__5/9/2013 | 1.08 | 1.16 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-588 | XRF-589a__5/9/2013 | 1.41 | 1.5 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-588 | XRF-589b__5/9/2013 | 1.41 | 1.5 | FIELD DUPLICATE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-590 | XRF-592a__5/10/2013 | 1.41 | 1.5 | FIELD SAMPLE | 5/10/2013 |
| NR6 Middle Chaparral Gulch | XRF-590 | XRF-592b__5/10/2013 | 1.41 | 1.5 | FIELD DUPLICATE | 5/10/2013 |
| NR6 Middle Chaparral Gulch | XRF-582 | XRF-584a__5/9/2013 | 1.5 | 1.58 | FIELD SAMPLE | 5/9/2013 |
| NR6 Middle Chaparral Gulch | XRF-582 | XRF-584b__5/9/2013 | 1.5 | 1.58 | FIELD DUPLICATE | 5/9/2013 |
| NR7 Smelter Tailings Swale | STS-SB01 | STS-SB01-0 | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR7 Smelter Tailings Swale | STS-SB02 | STS-SB02-0A | 0 | 0 | FIELD SAMPLE | 2/6/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|-----------|---------------------|-----------------------|---------------------|-----------------|----------------|
| NR7 Smelter Tailings Swale | STS-SB02 | STS-SB02-OB | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR7 Smelter Tailings Swale | STS-SB03 | STS-SB03-0A | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR7 Smelter Tailings Swale | STS-SB03 | STS-SB03-OB | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR7 Smelter Tailings Swale | STS-SB04 | STS-SB04-0A | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR7 Smelter Tailings Swale | STS-SB04 | STS-SB04-OB | 0 | 0 | FIELD SAMPLE | 2/6/2014 |
| NR7 Smelter Tailings Swale | STS-SB05 | STS-SB05-0A | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB05 | STS-SB05-OB | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB06 | STS-SB06-0 | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB07 | STS-SB07-0A | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB07 | STS-SB07-OB | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB08 | STS-SB08-0 | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB09 | STS-SB09-0A | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB09 | STS-SB09-OB | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB09B | STS-SB09B-0A | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB09B | STS-SB09B-OB | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB11 | STS-SB11-0A | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR7 Smelter Tailings Swale | STS-SB11 | STS-SB11-OB | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR7 Smelter Tailings Swale | XRF-491 | XRF-491a__5/9/2013 | 0 | 0 | FIELD SAMPLE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-491 | XRF-491b__5/9/2013 | 0 | 0 | FIELD DUPLICATE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-489 | XRF-489a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-489 | XRF-489b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-493 | XRF-493__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR7 Smelter Tailings Swale | XRF-493 | XRF-493b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-495 | XRF-495a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-495 | XRF-495b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-497 | XRF-497a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-499 | XRF-499a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-499 | XRF-499b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-611 | XRF-611a__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR7 Smelter Tailings Swale | XRF-611 | XRF-611b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR7 Smelter Tailings Swale | XRF-618 | XRF-619a__5/10/2013 | 0 | 0.08 | FIELD SAMPLE | 5/10/2013 |
| NR7 Smelter Tailings Swale | XRF-618 | XRF-619b__5/10/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/10/2013 |
| NR7 Smelter Tailings Swale | XRF-620 | XRF-620b__5/10/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/10/2013 |
| NR7 Smelter Tailings Swale | XRF-621 | XRF-621a__6/21/2013 | 0 | 0.08 | FIELD SAMPLE | 6/21/2013 |
| NR7 Smelter Tailings Swale | XRF-621 | XRF-621b__6/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 6/21/2013 |
| NR7 Smelter Tailings Swale | XRF-751 | XRF-751a__6/4/2013 | 0 | 0.08 | FIELD SAMPLE | 6/4/2013 |
| NR7 Smelter Tailings Swale | XRF-751 | XRF-751b__6/4/2013 | 0 | 0.08 | FIELD DUPLICATE | 6/4/2013 |
| NR7 Smelter Tailings Swale | XRF-287 | XRF-287 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR7 Smelter Tailings Swale | XRF-289 | XRF-289 | 0 | 0.2 | FIELD SAMPLE | 4/18/2012 |
| NR7 Smelter Tailings Swale | XRF-291 | XRF-291 | 0 | 0.2 | FIELD SAMPLE | 4/19/2012 |
| NR7 Smelter Tailings Swale | XRF-293 | XRF-293 | 0 | 0.2 | FIELD SAMPLE | 4/19/2012 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------|--------------------------------|-----------------------|---------------------|-----------------|----------------|
| NR7 Smelter Tailings Swale | HSJ-577 | HSJ-577-0-0_5_5/1/2009 | 0 | 0.5 | FIELD SAMPLE | 5/1/2009 |
| NR7 Smelter Tailings Swale | TCLP-5 | TCLP-5-0-0_5_5/8/2010 | 0 | 0.5 | FIELD SAMPLE | 5/8/2010 |
| NR7 Smelter Tailings Swale | XRF-493 | XRF-494a_5/30/2013 | 0.41 | 0.5 | FIELD SAMPLE | 5/30/2013 |
| NR7 Smelter Tailings Swale | XRF-495 | XRF-496b_5/31/2013 | 0.41 | 0.5 | FIELD DUPLICATE | 5/31/2013 |
| NR7 Smelter Tailings Swale | HS-01 | HS-01SS_1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR7 Smelter Tailings Swale | HS-01 | HS-02SS_1/27/2004 | 0 | 1 | FIELD DUPLICATE | 1/27/2004 |
| NR7 Smelter Tailings Swale | HS-04 | HS-04SS_1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR7 Smelter Tailings Swale | HS-12 | HS-12SS_1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR7 Smelter Tailings Swale | HS-13 | HS-13SS_1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR7 Smelter Tailings Swale | HS-14 | HS-14SS_1/27/2004 | 0 | 1 | FIELD SAMPLE | 1/27/2004 |
| NR7 Smelter Tailings Swale | HS-14 | HS-15SS_1/27/2004 | 0 | 1 | FIELD DUPLICATE | 1/27/2004 |
| NR7 Smelter Tailings Swale | XRF-489 | XRF-490b_5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| NR7 Smelter Tailings Swale | XRF-611 | XRF-612a_5/10/2013 | 0.91 | 1 | FIELD SAMPLE | 5/10/2013 |
| NR7 Smelter Tailings Swale | XRF-611 | XRF-612b_5/10/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/10/2013 |
| NR7 Smelter Tailings Swale | XRF-618 | XRF-618a_5/10/2013 | 0.91 | 1 | FIELD SAMPLE | 5/10/2013 |
| NR7 Smelter Tailings Swale | XRF-618 | XRF-618b_5/10/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/10/2013 |
| NR7 Smelter Tailings Swale | STS-SB07 | STS-SB07-1A | 1 | 1 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | STS-SB07 | STS-SB07-1B | 1 | 1 | FIELD SAMPLE | 2/7/2014 |
| NR7 Smelter Tailings Swale | XRF-287 | XRF-288 | 1 | 1 | FIELD SAMPLE | 4/18/2012 |
| NR7 Smelter Tailings Swale | HSJ-501 | HSJ-501-0-2_9/4/2008 | 0 | 2 | FIELD SAMPLE | 9/4/2008 |
| NR7 Smelter Tailings Swale | HSJ-501 | HSJ-501-0-2-D_9/4/2008 | 0 | 2 | FIELD DUPLICATE | 9/4/2008 |
| NR7 Smelter Tailings Swale | HSJ-502 | HSJ-502-0-2_9/5/2008 | 0 | 2 | FIELD SAMPLE | 9/5/2008 |
| NR7 Smelter Tailings Swale | HSJ-503 | HSJ-503-0-2_9/5/2008 | 0 | 2 | FIELD SAMPLE | 9/5/2008 |
| NR7 Smelter Tailings Swale | HSJ-503 | HSJ-503-0-2-D_9/5/2008 | 0 | 2 | FIELD DUPLICATE | 9/5/2008 |
| NR7 Smelter Tailings Swale | HSJ-532 | HSJ-532-0-2 Unsieved_9/12/2008 | 0 | 2 | FIELD SAMPLE | 9/12/2008 |
| NR7 Smelter Tailings Swale | HSJ-532 | HSJ-532-0-2_8/28/2008 | 0 | 2 | FIELD SAMPLE | 8/28/2008 |
| NR7 Smelter Tailings Swale | HSJ-533 | HSJ-533-0-2_8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR7 Smelter Tailings Swale | HSJ-537 | HSJ-537-0-2_8/27/2008 | 0 | 2 | FIELD SAMPLE | 8/27/2008 |
| NR7 Smelter Tailings Swale | HSJ-544 | HSJ-544-0-2_9/7/2008 | 0 | 2 | FIELD SAMPLE | 9/7/2008 |
| NR7 Smelter Tailings Swale | HSJ-545 | HSJ-545-0-2_9/5/2008 | 0 | 2 | FIELD SAMPLE | 9/5/2008 |
| NR7 Smelter Tailings Swale | HSV-107 | HSV-107-0-2_9/5/2008 | 0 | 2 | FIELD SAMPLE | 9/5/2008 |
| NR7 Smelter Tailings Swale | HSV-116 | HSV-116-0-2_9/5/2008 | 0 | 2 | FIELD SAMPLE | 9/5/2008 |
| NR7 Smelter Tailings Swale | HSV-117 | HSV-117-0-2_9/10/2008 | 0 | 2 | FIELD SAMPLE | 9/10/2008 |
| NR7 Smelter Tailings Swale | XRF-611 | XRF-613a_5/10/2013 | 1.91 | 2 | FIELD SAMPLE | 5/10/2013 |
| NR7 Smelter Tailings Swale | STS-SB11 | STS-SB11-2B | 2 | 2 | FIELD SAMPLE | 2/8/2014 |
| NR8 Tailings Floodplain | CHF-SB01 | CHF-SB01-0A | 0 | 0 | FIELD SAMPLE | 2/11/2014 |
| NR8 Tailings Floodplain | CHF-SB02 | CHF-SB02-0A | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB02 | CHF-SB02-0B | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB03 | CHF-SB03-0A | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB03 | CHF-SB03-0B | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB04 | CHF-SB04-0A | 0 | 0 | FIELD SAMPLE | 2/12/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------|-------------|-----------------------|---------------------|--------------|----------------|
| NR8 Tailings Floodplain | CHF-SB04 | CHF-SB04-0B | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB05 | CHF-SB05-0A | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB05 | CHF-SB05-0B | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB06 | CHF-SB06-0A | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB06 | CHF-SB06-0B | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB07 | CHF-SB07-0A | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB07 | CHF-SB07-0B | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB08 | CHF-SB08-0A | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB08 | CHF-SB08-0B | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB09 | CHF-SB09-0A | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB09 | CHF-SB09-0B | 0 | 0 | FIELD SAMPLE | 2/12/2014 |
| NR8 Tailings Floodplain | CHF-SB10 | CHF-SB10-0A | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB11 | CHF-SB11-0B | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB12 | CHF-SB12-0A | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB12 | CHF-SB12-0B | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB13 | CHF-SB13-0A | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB13 | CHF-SB13-0B | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB14 | CHF-SB14-0A | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB14 | CHF-SB14-0B | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB15 | CHF-SB15-0A | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB15 | CHF-SB15-0B | 0 | 0 | FIELD SAMPLE | 2/13/2014 |
| NR8 Tailings Floodplain | CHF-SB16 | CHF-SB16-0A | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB16 | CHF-SB16-0B | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB17 | CHF-SB17-0 | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB17 | CHF-SB17-0 | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB18 | CHF-SB18-0A | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB18 | CHF-SB18-0B | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB19 | CHF-SB19-0A | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB19 | CHF-SB19-0B | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB20 | CHF-SB20-0 | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB20 | CHF-SB20-0 | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB21 | CHF-SB21-0B | 0 | 0 | FIELD SAMPLE | 2/18/2014 |
| NR8 Tailings Floodplain | CHF-SB22 | CHF-SB22-0A | 0 | 0 | FIELD SAMPLE | 2/19/2014 |
| NR8 Tailings Floodplain | CHF-SB23 | CHF-SB23-0A | 0 | 0 | FIELD SAMPLE | 2/19/2014 |
| NR8 Tailings Floodplain | CHF-SB23 | CHF-SB23-0B | 0 | 0 | FIELD SAMPLE | 2/19/2014 |
| NR8 Tailings Floodplain | CHF-SB24 | CHF-SB24-0B | 0 | 0 | FIELD SAMPLE | 2/19/2014 |
| NR8 Tailings Floodplain | CHF-SB25 | CHF-SB25-0A | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | CHF-SB26 | CHF-SB26-0B | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | CHF-SB27 | CHF-SB27-0A | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | CHF-SB27 | CHF-SB27-0B | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | CHF-SB28 | CHF-SB28-0A | 0 | 0 | FIELD SAMPLE | 2/20/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------|-------------|-----------------------|---------------------|--------------|----------------|
| NR8 Tailings Floodplain | CHF-SB28 | CHF-SB28-0B | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | CHF-SB29 | CHF-SB29-0A | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB29 | CHF-SB29-0B | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB30 | CHF-SB30-0A | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB30 | CHF-SB30-0B | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB31 | CHF-SB31-0A | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB31 | CHF-SB31-0B | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB32 | CHF-SB32-0A | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB32 | CHF-SB32-0B | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB33 | CHF-SB33-0B | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB34 | CHF-SB34-0A | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB34 | CHF-SB34-0B | 0 | 0 | FIELD SAMPLE | 2/21/2014 |
| NR8 Tailings Floodplain | CHF-SB35 | CHF-SB35-0A | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB35 | CHF-SB35-0B | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB36 | CHF-SB36-0A | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB36 | CHF-SB36-0B | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB37 | CHF-SB37-0A | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB37 | CHF-SB37-0B | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB38 | CHF-SB38-0A | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB38 | CHF-SB38-0B | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB39 | CHF-SB39-0A | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB39 | CHF-SB39-0B | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB40 | CHF-SB40-0A | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB40 | CHF-SB40-0B | 0 | 0 | FIELD SAMPLE | 2/22/2014 |
| NR8 Tailings Floodplain | CHF-SB41 | CHF-SB41-0A | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | CHF-SB41 | CHF-SB41-0B | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | CHF-SB42 | CHF-SB42-0A | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | CHF-SB42 | CHF-SB42-0B | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | CHF-SB43 | CHF-SB43-0A | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | CHF-SB43 | CHF-SB43-0B | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | CHF-SB44 | CHF-SB44-0A | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | CHF-SB44 | CHF-SB44-0B | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | CHF-SB45 | CHF-SB45-0A | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | CHF-SB45 | CHF-SB45-0B | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | CHF-SB46 | CHF-SB46-0A | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | CHF-SB46 | CHF-SB46-0B | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | CHF-SB47 | CHF-SB47-0A | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | CHF-SB47 | CHF-SB47-0B | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | DAM-SB01 | DAM-SB01-0A | 0 | 0 | FIELD SAMPLE | 2/19/2014 |
| NR8 Tailings Floodplain | DAM-SB01 | DAM-SB01-0B | 0 | 0 | FIELD SAMPLE | 2/19/2014 |
| NR8 Tailings Floodplain | DAM-SB02 | DAM-SB02-0A | 0 | 0 | FIELD SAMPLE | 2/19/2014 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|-----------|-------------------------------------|-----------------------|---------------------|-----------------|----------------|
| NR8 Tailings Floodplain | DAM-SB02 | DAM-SB02-OB | 0 | 0 | FIELD SAMPLE | 2/19/2014 |
| NR8 Tailings Floodplain | DAM-SB03 | DAM-SB03-OA | 0 | 0 | FIELD SAMPLE | 2/19/2014 |
| NR8 Tailings Floodplain | DAM-SB04 | DAM-SB04-O | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | DAM-SB04 | DAM-SB04-OA | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | DAM-SB04 | DAM-SB04-OB | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | DAM-SB05 | DAM-SB05-OA | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | DAM-SB05 | DAM-SB05-OB | 0 | 0 | FIELD SAMPLE | 2/20/2014 |
| NR8 Tailings Floodplain | DAM-SB06 | DAM-SB06-OA | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | DAM-SB06 | DAM-SB06-OB | 0 | 0 | FIELD SAMPLE | 2/25/2014 |
| NR8 Tailings Floodplain | STS-SB10 | STS-SB10-OA | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR8 Tailings Floodplain | STS-SB10 | STS-SB10-OB | 0 | 0 | FIELD SAMPLE | 2/7/2014 |
| NR8 Tailings Floodplain | STS-SB12 | STS-SB12-OB | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR8 Tailings Floodplain | STS-SB13 | STS-SB13-OA | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR8 Tailings Floodplain | STS-SB13 | STS-SB13-OB | 0 | 0 | FIELD SAMPLE | 2/8/2014 |
| NR8 Tailings Floodplain | STS-SB14 | STS-SB14-OA | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | STS-SB14 | STS-SB14-OB | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | STS-SB15 | STS-SB15-OA | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | STS-SB15 | STS-SB15-OB | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | STS-SB15B | STS-SB15B-OA | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | STS-SB15B | STS-SB15B-OB | 0 | 0 | FIELD SAMPLE | 2/24/2014 |
| NR8 Tailings Floodplain | XRF-481 | XRF-481a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-481 | XRF-481b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-483 | XRF-483a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-483 | XRF-483b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-485 | XRF-485a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-485 | XRF-485b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-487 | XRF-487b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-593 | XRF-593b__5/10/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/10/2013 |
| NR8 Tailings Floodplain | XRF-594 | XRF-594a__5/30/2013 | 0 | 0.08 | FIELD SAMPLE | 5/30/2013 |
| NR8 Tailings Floodplain | XRF-594 | XRF-594b__5/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/30/2013 |
| NR8 Tailings Floodplain | XRF-595 | XRF-595a__5/30/2013 | 0 | 0.08 | FIELD SAMPLE | 5/30/2013 |
| NR8 Tailings Floodplain | XRF-596 | XRF-596b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR8 Tailings Floodplain | XRF-602 | XRF-602__4/30/2013 | 0 | 0.08 | FIELD SAMPLE | 4/30/2013 |
| NR8 Tailings Floodplain | XRF-608 | XRF-608b__4/30/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/30/2013 |
| NR8 Tailings Floodplain | XRF-642 | XRF-642a__6/4/2013 | 0 | 0.08 | FIELD SAMPLE | 6/4/2013 |
| NR8 Tailings Floodplain | XRF-642 | XRF-642b__6/4/2013 | 0 | 0.08 | FIELD DUPLICATE | 6/4/2013 |
| NR8 Tailings Floodplain | XRF-642 | XRF-643a__5/13/2013 | 0 | 0.08 | FIELD SAMPLE | 5/13/2013 |
| NR8 Tailings Floodplain | XRF-642 | XRF-643b__5/13/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/13/2013 |
| NR8 Tailings Floodplain | XRF-642 | XRF-644 depth tailings a__6/21/2013 | 0 | 0.08 | FIELD SAMPLE | 6/21/2013 |
| NR8 Tailings Floodplain | XRF-642 | XRF-644 depth tailings b__6/21/2013 | 0 | 0.08 | FIELD DUPLICATE | 6/21/2013 |
| NR8 Tailings Floodplain | XRF-646 | XRF-646a__5/13/2013 | 0 | 0.08 | FIELD SAMPLE | 5/13/2013 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------|--------------------------|-----------------------|---------------------|-----------------|----------------|
| NR8 Tailings Floodplain | XRF-647 | XRF-647a__5/13/2013 | 0 | 0.08 | FIELD SAMPLE | 5/13/2013 |
| NR8 Tailings Floodplain | XRF-647 | XRF-648 6in a__5/31/2013 | 0 | 0.08 | FIELD SAMPLE | 5/31/2013 |
| NR8 Tailings Floodplain | XRF-647 | XRF-648__5/1/2013 | 0 | 0.08 | FIELD SAMPLE | 5/1/2013 |
| NR8 Tailings Floodplain | HSJ-583 | HSJ-583-0-0_5__5/2/2009 | 0 | 0.5 | FIELD SAMPLE | 5/2/2009 |
| NR8 Tailings Floodplain | HSJ-584 | HSJ-584-0-0_5__5/2/2009 | 0 | 0.5 | FIELD SAMPLE | 5/2/2009 |
| NR8 Tailings Floodplain | TCLP-6 | TCLP-6-0-0_5__5/8/2010 | 0 | 0.5 | FIELD SAMPLE | 5/8/2010 |
| NR8 Tailings Floodplain | TCLP-7 | TCLP-7-0-0_5__5/8/2010 | 0 | 0.5 | FIELD SAMPLE | 5/8/2010 |
| NR8 Tailings Floodplain | XRF-602 | XRF-603b__4/30/2013 | 0.5 | 0.58 | FIELD DUPLICATE | 4/30/2013 |
| NR8 Tailings Floodplain | XRF-596 | XRF-597a__4/30/2013 | 0.91 | 1 | FIELD SAMPLE | 4/30/2013 |
| NR8 Tailings Floodplain | XRF-596 | XRF-597b__4/30/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/30/2013 |
| NR8 Tailings Floodplain | STS-SB12 | STS-SB12-1A | 1 | 1 | FIELD SAMPLE | 2/8/2014 |
| NR8 Tailings Floodplain | XRF-608 | XRF-609b__4/30/2013 | 1.08 | 1.16 | FIELD DUPLICATE | 4/30/2013 |
| NR8 Tailings Floodplain | XRF-485 | XRF-486b__5/9/2013 | 1.58 | 1.66 | FIELD DUPLICATE | 5/9/2013 |
| NR8 Tailings Floodplain | HSV-134 | HSV-134-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR8 Tailings Floodplain | XRF-483 | XRF-482__4/30/2013 | 1.91 | 2 | FIELD SAMPLE | 4/30/2013 |
| NR8 Tailings Floodplain | XRF-483 | XRF-482a__5/9/2013 | 1.91 | 2 | FIELD SAMPLE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-483 | XRF-482b__5/9/2013 | 1.91 | 2 | FIELD DUPLICATE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-483 | XRF-484b__5/9/2013 | 1.91 | 2 | FIELD DUPLICATE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-487 | XRF-488a__5/9/2013 | 1.91 | 2 | FIELD SAMPLE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-487 | XRF-488b__5/9/2013 | 1.91 | 2 | FIELD DUPLICATE | 5/9/2013 |
| NR8 Tailings Floodplain | XRF-602 | XRF-604a__4/30/2013 | 1.91 | 2 | FIELD SAMPLE | 4/30/2013 |
| NR8 Tailings Floodplain | XRF-608 | XRF-610b__5/30/2013 | 1.91 | 2 | FIELD DUPLICATE | 5/30/2013 |
| NR9 Lower Chaparral Gulch | XRF-501 | XRF-501a__4/29/2013 | 0 | 0.08 | FIELD SAMPLE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-501 | XRF-501b__4/29/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-503 | XRF-503a__4/29/2013 | 0 | 0.08 | FIELD SAMPLE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-503 | XRF-503a__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-504 | XRF-504a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-506 | XRF-506a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-506 | XRF-506b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-508 | XRF-508a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-508 | XRF-508b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-510 | XRF-510a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-510 | XRF-510b__5/9/2013 | 0 | 0.08 | FIELD DUPLICATE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-512 | XRF-512a__5/9/2013 | 0 | 0.08 | FIELD SAMPLE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-514 | XRF-514__4/29/2013 | 0 | 0.08 | FIELD SAMPLE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-516 | XRF-516a__4/29/2013 | 0 | 0.08 | FIELD SAMPLE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-516 | XRF-516b__4/29/2013 | 0 | 0.08 | FIELD DUPLICATE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-229 | XRF-229 | 0 | 0.2 | FIELD SAMPLE | 4/17/2012 |
| NR9 Lower Chaparral Gulch | XRF-229 | XRF-230 | 0.5 | 0.5 | FIELD SAMPLE | 4/17/2012 |
| NR9 Lower Chaparral Gulch | XRF-501 | XRF-502b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-503 | XRF-503b__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |

TABLE K1-4

Samples Used in the Human Health Risk Assessment - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Primary Risk Management Map Label | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Type | Sample Date |
|-----------------------------------|----------|------------------------|-----------------------|---------------------|-----------------|----------------|
| NR9 Lower Chaparral Gulch | XRF-503 | XRF-503b__5/9/2013 | 0.91 | 1 | FIELD DUPLICATE | 5/9/2013 |
| NR9 Lower Chaparral Gulch | XRF-504 | XRF-505__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-506 | XRF-507a__5/30/2013 | 0.91 | 1 | FIELD SAMPLE | 5/30/2013 |
| NR9 Lower Chaparral Gulch | XRF-508 | XRF-509a__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-508 | XRF-509b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-510 | XRF-511b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-512 | XRF-513a__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-514 | XRF-515b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-516 | XRF-517a__4/29/2013 | 0.91 | 1 | FIELD SAMPLE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | XRF-516 | XRF-517b__4/29/2013 | 0.91 | 1 | FIELD DUPLICATE | 4/29/2013 |
| NR9 Lower Chaparral Gulch | HSV-128 | HSV-128-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR9 Lower Chaparral Gulch | HSV-129 | HSV-129-0-2__4/30/2009 | 0 | 2 | FIELD SAMPLE | 4/30/2009 |
| NR9 Lower Chaparral Gulch | HSV-129 | HSV-929-0-2__4/30/2009 | 0 | 2 | FIELD DUPLICATE | 4/30/2009 |

TABLE K1-5

Samples Used in the Human Health Risk Assessment - Air*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Station ID | Sample Name | Sample Date | Current Property Type |
|------------|--------------------------------|-------------|-----------------------|
| ABG-01 | ABG-01-TSP-012709__1/27/2009 | 27-Jan-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-022709__2/27/2009 | 27-Feb-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-030309__3/3/2009 | 03-Mar-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-030309-D__3/3/2009 | 03-Mar-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-030909__3/13/2009 | 13-Mar-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-032109__3/23/2009 | 23-Mar-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-032709__3/30/2009 | 30-Mar-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-032709-D__3/30/2009 | 30-Mar-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-040209__4/6/2009 | 06-Apr-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-041409__4/16/2009 | 16-Apr-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-042009__4/24/2009 | 24-Apr-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-042009-D__4/24/2009 | 24-Apr-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-042609__5/1/2009 | 01-May-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-050809__5/12/2009 | 12-May-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-051409__5/18/2009 | 18-May-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-051409-D__5/18/2009 | 18-May-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-052009__5/25/2009 | 25-May-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-060109__6/5/2009 | 05-Jun-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-060709__6/11/2009 | 11-Jun-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-060709-D__6/11/2009 | 11-Jun-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-061309__6/18/2009 | 18-Jun-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-062509__6/26/2009 | 26-Jun-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-070109__7/6/2009 | 06-Jul-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-070109-D__7/6/2009 | 06-Jul-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-070709__7/10/2009 | 10-Jul-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-071909__7/21/2009 | 21-Jul-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-072509__7/30/2009 | 30-Jul-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-072509-D__7/30/2009 | 30-Jul-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-073109__8/4/2009 | 04-Aug-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-081209__8/17/2009 | 17-Aug-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-081809__8/19/2009 | 19-Aug-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-081809-D__8/19/2009 | 19-Aug-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-082409__8/27/2009 | 27-Aug-09 | Undeveloped Area |
| ABG-01 | ABG-01-TSP-090509__9/8/2009 | 08-Sep-09 | Undeveloped Area |
| ABG-01 | ABG01-TSP-11509__1/15/2009 | 15-Jan-09 | Undeveloped Area |
| ABG-01 | ABG01-TSP-12109__1/21/2009 | 21-Jan-09 | Undeveloped Area |
| ABG-01 | ABG01-TSP-1909__1/9/2009 | 09-Jan-09 | Undeveloped Area |
| ABG-01 | ABG01-TSP-1909-2__1/9/2009 | 09-Jan-09 | Undeveloped Area |
| AES-01 | AES-01-PM10-060109-D__6/5/2009 | 05-Jun-09 | Non-Residential |
| AES-01 | AES-01-TSP-012709__1/27/2009 | 27-Jan-09 | Non-Residential |
| AES-01 | AES-01-TSP-022709__2/27/2009 | 27-Feb-09 | Non-Residential |
| AES-01 | AES-01-TSP-030309__3/3/2009 | 03-Mar-09 | Non-Residential |
| AES-01 | AES-01-TSP-030909__3/13/2009 | 13-Mar-09 | Non-Residential |
| AES-01 | AES-01-TSP-030909-D__3/13/2009 | 13-Mar-09 | Non-Residential |
| AES-01 | AES-01-TSP-031509__3/16/2009 | 16-Mar-09 | Non-Residential |
| AES-01 | AES-01-TSP-032709__3/30/2009 | 30-Mar-09 | Non-Residential |
| AES-01 | AES-01-TSP-040209__4/6/2009 | 06-Apr-09 | Non-Residential |
| AES-01 | AES-01-TSP-040209-D__4/6/2009 | 06-Apr-09 | Non-Residential |
| AES-01 | AES-01-TSP-040809__4/13/2009 | 13-Apr-09 | Non-Residential |
| AES-01 | AES-01-TSP-042009__4/24/2009 | 24-Apr-09 | Non-Residential |
| AES-01 | AES-01-TSP-042609__5/1/2009 | 01-May-09 | Non-Residential |
| AES-01 | AES-01-TSP-042609-D__5/1/2009 | 01-May-09 | Non-Residential |
| AES-01 | AES-01-TSP-050209__5/7/2009 | 07-May-09 | Non-Residential |
| AES-01 | AES-01-TSP-051409__5/18/2009 | 18-May-09 | Non-Residential |
| AES-01 | AES-01-TSP-052009__5/25/2009 | 25-May-09 | Non-Residential |
| AES-01 | AES-01-TSP-052009-D__5/25/2009 | 25-May-09 | Non-Residential |
| AES-01 | AES-01-TSP-052609__5/28/2009 | 28-May-09 | Non-Residential |
| AES-01 | AES-01-TSP-060709__6/11/2009 | 11-Jun-09 | Non-Residential |
| AES-01 | AES-01-TSP-061309__6/18/2009 | 18-Jun-09 | Non-Residential |
| AES-01 | AES-01-TSP-061309-D__6/18/2009 | 18-Jun-09 | Non-Residential |
| AES-01 | AES-01-TSP-061909__6/22/2009 | 22-Jun-09 | Non-Residential |

TABLE K1-5

Samples Used in the Human Health Risk Assessment - Air*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Station ID | Sample Name | Sample Date | Current Property Type |
|------------|--------------------------------|-------------|---------------------------------------|
| AES-01 | AES-01-TSP-070109__7/6/2009 | 06-Jul-09 | Non-Residential |
| AES-01 | AES-01-TSP-070709__7/10/2009 | 10-Jul-09 | Non-Residential |
| AES-01 | AES-01-TSP-070709-D__7/10/2009 | 10-Jul-09 | Non-Residential |
| AES-01 | AES-01-TSP-071309__7/17/2009 | 17-Jul-09 | Non-Residential |
| AES-01 | AES-01-TSP-072509__7/30/2009 | 30-Jul-09 | Non-Residential |
| AES-01 | AES-01-TSP-073109__8/4/2009 | 04-Aug-09 | Non-Residential |
| AES-01 | AES-01-TSP-073109-D__8/4/2009 | 04-Aug-09 | Non-Residential |
| AES-01 | AES-01-TSP-080609__8/11/2009 | 11-Aug-09 | Non-Residential |
| AES-01 | AES-01-TSP-081809__8/19/2009 | 19-Aug-09 | Non-Residential |
| AES-01 | AES-01-TSP-082409__8/27/2009 | 27-Aug-09 | Non-Residential |
| AES-01 | AES-01-TSP-082409-D__8/27/2009 | 27-Aug-09 | Non-Residential |
| AES-01 | AES-01-TSP-083009__8/31/2009 | 31-Aug-09 | Non-Residential |
| AES-01 | AES01-TSP-1909__1/9/2009 | 09-Jan-09 | Non-Residential |
| AHS-01 | AHS-01-TSP-081708__8/17/2008 | 17-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-081808__8/18/2008 | 18-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-081908__8/19/2008 | 19-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-082008__8/20/2008 | 20-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-082108__8/21/2008 | 21-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-082208__8/22/2008 | 22-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-082308__8/23/2008 | 23-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-082408__8/24/2008 | 24-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-082508__8/25/2008 | 25-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-082708__8/27/2008 | 27-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-082808__8/28/2008 | 28-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-082908__8/29/2008 | 29-Aug-08 | Undeveloped Area |
| AHS-01 | AHS-01-TSP-083008__8/30/2008 | 30-Aug-08 | Undeveloped Area |
| AHS-02 | AHS-02-TSP-012709__1/27/2009 | 27-Jan-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-030309__3/3/2009 | 03-Mar-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-030909__3/13/2009 | 13-Mar-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-031509__3/16/2009 | 16-Mar-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-032109__3/23/2009 | 23-Mar-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-032709__3/23/2009 | 23-Mar-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-032709__3/30/2009 | 30-Mar-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-040209__4/6/2009 | 06-Apr-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-040809__4/13/2009 | 13-Apr-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-041409__4/16/2009 | 16-Apr-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-042009__4/24/2009 | 24-Apr-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-042609__5/1/2009 | 01-May-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-050209__5/7/2009 | 07-May-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-050809__5/12/2009 | 12-May-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-051409__5/18/2009 | 18-May-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-052009__5/25/2009 | 25-May-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-052609__5/28/2009 | 28-May-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-060109__6/5/2009 | 05-Jun-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-060709__6/11/2009 | 11-Jun-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-061309__6/18/2009 | 18-Jun-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-061909__6/22/2009 | 22-Jun-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-062509__6/26/2009 | 26-Jun-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-070109__7/6/2009 | 06-Jul-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-070709__7/10/2009 | 10-Jul-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-071309__7/17/2009 | 17-Jul-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-071909__7/21/2009 | 21-Jul-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-072509__7/30/2009 | 30-Jul-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-073109__8/4/2009 | 04-Aug-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-080609__8/11/2009 | 11-Aug-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-081209__8/17/2009 | 17-Aug-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-081708__8/17/2008 | 17-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-081808__8/18/2008 | 18-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-081809__8/19/2009 | 19-Aug-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-081908__8/19/2008 | 19-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-082008__8/20/2008 | 20-Aug-08 | Residential Yard-Specific Risk (RYSR) |

TABLE K1-5

Samples Used in the Human Health Risk Assessment - Air*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Station ID | Sample Name | Sample Date | Current Property Type |
|------------|---------------------------------|-------------|--|
| AHS-02 | AHS-02-TSP-082108__8/21/2008 | 21-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-082208__8/22/2008 | 22-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-082308__8/23/2008 | 23-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-082408__8/24/2008 | 24-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-082409__8/27/2009 | 27-Aug-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-082808__8/28/2008 | 28-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-083008__8/30/2008 | 30-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-083009__8/31/2009 | 31-Aug-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS-02-TSP-090509__9/8/2009 | 08-Sep-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-02 | AHS02-TSP-11509__1/15/2009 | 15-Jan-09 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-081708__8/17/2008 | 17-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-081808__8/18/2008 | 18-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-081908__8/19/2008 | 19-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-082008__8/20/2008 | 20-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-082108__8/21/2008 | 21-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-082308__8/23/2008 | 23-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-082308-CO__8/23/2008 | 23-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-082408__8/24/2008 | 24-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-082508__8/25/2008 | 25-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-082708__8/27/2008 | 27-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-082808__8/28/2008 | 28-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-082908__8/29/2008 | 29-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-083008__8/30/2008 | 30-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AHS-03 | AHS-03-TSP-083108__8/31/2008 | 31-Aug-08 | Residential Yard-Specific Risk (RYSR) |
| AIK-01 | AIK-01-TSP-081708__8/17/2008 | 17-Aug-08 | Non-Residential |
| AIK-01 | AIK-01-TSP-081808__8/18/2008 | 18-Aug-08 | Non-Residential |
| AIK-01 | AIK-01-TSP-081908__8/19/2008 | 19-Aug-08 | Non-Residential |
| AIK-01 | AIK-01-TSP-082008__8/20/2008 | 20-Aug-08 | Non-Residential |
| AIK-01 | AIK-01-TSP-082108__8/21/2008 | 21-Aug-08 | Non-Residential |
| AIK-01 | AIK-01-TSP-082208__8/22/2008 | 22-Aug-08 | Non-Residential |
| AIK-01 | AIK-01-TSP-082308__8/23/2008 | 23-Aug-08 | Non-Residential |
| AIK-01A | AIK-01A-TSP-082408__8/24/2008 | 24-Aug-08 | Non-Residential, Possible Future Residential |
| AIK-01A | AIK-01A-TSP-082508__8/25/2008 | 25-Aug-08 | Non-Residential, Possible Future Residential |
| AIK-01A | AIK-01A-TSP-082708__8/27/2008 | 27-Aug-08 | Non-Residential, Possible Future Residential |
| AIK-01A | AIK-01A-TSP-082808__8/28/2008 | 28-Aug-08 | Non-Residential, Possible Future Residential |
| AIK-01A | AIK-01A-TSP-082908__8/29/2008 | 29-Aug-08 | Non-Residential, Possible Future Residential |
| AIK-01A | AIK-01A-TSP-083008__8/30/2008 | 30-Aug-08 | Non-Residential, Possible Future Residential |
| AIK-01A | AIK-01A-TSP-083108__8/31/2008 | 31-Aug-08 | Non-Residential, Possible Future Residential |
| AIK-02 | AIK-02-TSP-012709__1/27/2009 | 27-Jan-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-022709__2/27/2009 | 27-Feb-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-030309__3/3/2009 | 03-Mar-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-030909__3/13/2009 | 13-Mar-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-031509__3/16/2009 | 16-Mar-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-032109__3/23/2009 | 23-Mar-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-032709__3/30/2009 | 30-Mar-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-040209__4/6/2009 | 06-Apr-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-072509__7/30/2009 | 30-Jul-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-080609__8/11/2009 | 11-Aug-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-081708__8/17/2008 | 17-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-081808__8/18/2008 | 18-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-081809__8/19/2009 | 19-Aug-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-081908__8/19/2008 | 19-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082008__8/20/2008 | 20-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082108__8/21/2008 | 21-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082208__8/22/2008 | 22-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082208-CO__8/22/2008 | 22-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082308__8/23/2008 | 23-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082408__8/24/2008 | 24-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082508__8/25/2008 | 25-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082708__8/27/2008 | 27-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082708-CO__8/27/2008 | 27-Aug-08 | Non-Residential |

TABLE K1-5

Samples Used in the Human Health Risk Assessment - Air*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Station ID | Sample Name | Sample Date | Current Property Type |
|------------|---------------------------------|-------------|-----------------------|
| AIK-02 | AIK-02-TSP-082808__8/28/2008 | 28-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082908__8/29/2008 | 29-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-082908-CO__8/29/2008 | 29-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-083008__8/30/2008 | 30-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-083108__8/31/2008 | 31-Aug-08 | Non-Residential |
| AIK-02 | AIK-02-TSP-090509__9/8/2009 | 08-Sep-09 | Non-Residential |
| AIK-02 | AIK02-TSP-11509__1/15/2009 | 15-Jan-09 | Non-Residential |
| AIK-02 | AIK02-TSP-12109__1/21/2009 | 21-Jan-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-040809__4/13/2009 | 13-Apr-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-042009__4/24/2009 | 24-Apr-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-042609__5/1/2009 | 01-May-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-050209__5/7/2009 | 07-May-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-050809__5/12/2009 | 12-May-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-051409__5/18/2009 | 18-May-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-052009__5/25/2009 | 25-May-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-052609__5/28/2009 | 28-May-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-060109__6/5/2009 | 05-Jun-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-060709__6/11/2009 | 11-Jun-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-061309__6/18/2009 | 18-Jun-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-061909__6/22/2009 | 22-Jun-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-062509__6/26/2009 | 26-Jun-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-070109__7/6/2009 | 06-Jul-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-070709__7/10/2009 | 10-Jul-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-071309__7/17/2009 | 17-Jul-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-071909__7/21/2009 | 21-Jul-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-073109__8/4/2009 | 04-Aug-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-081209__8/17/2009 | 17-Aug-09 | Non-Residential |
| AIK-02 | AIK-02-TSP-082409__8/27/2009 | 27-Aug-09 | Non-Residential |
| AIK-02 | IKM-02-TSP-041409__4/16/2009 | 16-Apr-09 | Non-Residential |
| AIK-03 | AIK-03-TSP-081708__8/17/2008 | 17-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-081808__8/18/2008 | 18-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-081908__8/19/2008 | 19-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-082008__8/20/2008 | 20-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-082108__8/21/2008 | 21-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-082208__8/22/2008 | 22-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-082408__8/24/2008 | 24-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-082508__8/25/2008 | 25-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-082708__8/27/2008 | 27-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-082808__8/28/2008 | 28-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-082908__8/29/2008 | 29-Aug-08 | Undeveloped Area |
| AIK-03 | AIK-03-TSP-083008__8/30/2008 | 30-Aug-08 | Undeveloped Area |

TABLE K1-6

Samples Used in the Human Health Risk Assessment - Sediment*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Surface Water/ Sediment Area | Point ID | Sample ID | Start Depth (feet) | End Depth (feet) | Sample Date |
|---------------------------------|-------------|--------------------------|-----------------------|---------------------|----------------|
| AF-01 | AF-2 | SD-AF-2__8/24/2008 | 0 | 0.5 | 24-Aug-08 |
| AF-01 | AG-BIOSED01 | AG-BIOSED01 | 0 | 0.5 | 06-May-14 |
| AF-01 | BKG-AF-1 | SD-BKG-AF-1__8/26/2008 | 0 | 0.5 | 26-Aug-08 |
| AF-01 | BKG-AF-1 | SD-BKG-AF-1-D__8/26/2008 | 0 | 0.5 | 26-Aug-08 |
| AF-01 | BKG-AF-2 | SD-BKG-AF-2__8/26/2008 | 0 | 0.5 | 26-Aug-08 |
| AF-02 | IK-D3 | IK-D3__4/12/2002 | 0 | 0.25 | 12-Apr-02 |
| AF-02 | AF-10 | SD-AF-10__8/24/2008 | 0 | 0.5 | 24-Aug-08 |
| AF-02 | AF-3 | SD-AF-3__8/24/2008 | 0 | 0.5 | 24-Aug-08 |
| AF-02 | AF-4 | SD-AF-4__8/24/2008 | 0 | 0.5 | 24-Aug-08 |
| AF-02 | AF-5 | SD-AF-5__8/26/2008 | 0 | 0.5 | 26-Aug-08 |
| AF-02 | AF-6 | SD-AF-6__8/24/2008 | 0 | 0.5 | 24-Aug-08 |
| AF-02 | AF-8 | SD-AF-8__8/24/2008 | 0 | 0.5 | 24-Aug-08 |
| AF-02 | AF-8 | SD-AF-8-D__8/24/2008 | 0 | 0.5 | 24-Aug-08 |
| AF-02 | AF-9 | SD-AF-9__5/3/2009 | 0 | 0.5 | 03-May-09 |
| AF-02 | AG-BIOSED02 | AG-BIOSED02 | 0 | 0.5 | 06-May-14 |
| AF-02 | AG-BIOSED02 | AG-BIOSED102 | 0 | 0.5 | 06-May-14 |
| AF-02 | AG-BIOSED03 | AG-BIOSED03 | 0 | 0.5 | 06-May-14 |
| AF-02 | AG-BIOSED04 | AG-BIOSED04 | 0 | 0.5 | 06-May-14 |
| AF-02 | AG-BIOSED04 | AG-BIOSED104 | 0 | 0.5 | 06-May-14 |
| AF-02 | AG-BIOSED05 | AG-BIOSED05 | 0 | 0.5 | 07-May-14 |
| AF-02 | AG-BIOSED06 | AG-BIOSED06 | 0 | 0.5 | 07-May-14 |
| AF-02 | AG-BIOSED07 | AG-BIOSED07 | 0 | 0.5 | 07-May-14 |
| AF-02 | AG-BIOSED08 | AG-BIOSED08 | 0 | 0.5 | 07-May-14 |
| AF-02 | OW-20 | SD-OW-20__8/26/2008 | 0 | 0.5 | 26-Aug-08 |
| AF-03 | AF-11 | SD-AF-11__8/24/2008 | 0 | 0.5 | 24-Aug-08 |
| AF-03 | AF-12 | SD-AF-12__8/24/2008 | 0 | 0.5 | 24-Aug-08 |
| AF-03 | AF-13 | SD-AF-13__4/28/2009 | 0 | 0.5 | 28-Apr-09 |
| AF-03 | AF-14 | SD-AF-14__8/15/2008 | 0 | 0.5 | 15-Aug-08 |
| AF-03 | AF-14 | SD-AF-14-D__8/15/2008 | 0 | 0.5 | 15-Aug-08 |
| AF-03 | AF-15 | SD-AF-15__8/25/2008 | 0 | 0.5 | 25-Aug-08 |
| AF-03 | AF-16 | SD-AF-16__4/28/2009 | 0 | 0.5 | 28-Apr-09 |
| AF-03 | AF-16 | SD-AF-99__4/28/2009 | 0 | 0.5 | 28-Apr-09 |
| AF-03 | AF-17 | SD-AF-17__5/3/2009 | 0 | 0.5 | 03-May-09 |
| AF-03 | AF-18 | SD-AF-18__5/3/2009 | 0 | 0.5 | 03-May-09 |
| AF-03 | AG-BIOSED09 | AG-BIOSED09 | 0 | 0.5 | 08-May-14 |
| AF-03 | AG-BIOSED10 | AG-BIOSED10 | 0 | 0.5 | 08-May-14 |
| AF-03 | AG-BIOSED11 | AG-BIOSED11 | 0 | 0.5 | 08-May-14 |
| AF-03 | IK-D20 | IK-D20__4/12/2002 | 0 | 0.5 | 12-Apr-02 |

TABLE K1-7

Samples Used in the Human Health Risk Assessment - Surface Water*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Surface Water/ Sediment Area | Point ID | Sample ID | Type | Sample Date |
|---------------------------------|------------|----------------------------|-----------------|----------------|
| AF-01 | AF-2 | SW-AF-2__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-01 | AF-2 | SW-AF-2-F__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-01 | AG-BIOSW01 | AG-BIOSW01 | FIELD SAMPLE | 06-May-14 |
| AF-01 | BKG-AF-1 | SW-BKG-AF-1__8/26/2008 | FIELD SAMPLE | 26-Aug-08 |
| AF-01 | BKG-AF-1 | SW-BKG-AF-1-D__8/26/2008 | FIELD DUPLICATE | 26-Aug-08 |
| AF-01 | BKG-AF-1 | SW-BKG-AF-1-F__8/26/2008 | FIELD SAMPLE | 26-Aug-08 |
| AF-01 | BKG-AF-1 | SW-BKG-AF-1-F-D__8/26/2008 | FIELD DUPLICATE | 26-Aug-08 |
| AF-01 | BKG-AF-2 | SW-BKG-AF-2__8/26/2008 | FIELD SAMPLE | 26-Aug-08 |
| AF-01 | BKG-AF-2 | SW-BKG-AF-2-F__8/26/2008 | FIELD SAMPLE | 26-Aug-08 |
| AF-01 | HS-41 | HS-41SW__1/28/2004 | FIELD SAMPLE | 28-Jan-04 |
| AF-01 | HS-41 | HS-41SW-F__1/28/2004 | FIELD SAMPLE | 28-Jan-04 |
| AF-02 | AF-10 | SW-AF-10__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-10 | SW-AF-10-F__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-3 | SW-AF-3__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-3 | SW-AF-3-F__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-4 | SW-AF-4__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-4 | SW-AF-4-F__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-5 | SW-AF-5__8/26/2008 | FIELD SAMPLE | 26-Aug-08 |
| AF-02 | AF-5 | SW-AF-5-F__8/26/2008 | FIELD SAMPLE | 26-Aug-08 |
| AF-02 | AF-6 | SW-AF-6__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-6 | SW-AF-6-F__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-8 | SW-AF-8__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-8 | SW-AF-8-D__8/24/2008 | FIELD DUPLICATE | 24-Aug-08 |
| AF-02 | AF-8 | SW-AF-8-F__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-02 | AF-8 | SW-AF-8-F-D__8/24/2008 | FIELD DUPLICATE | 24-Aug-08 |
| AF-02 | AF-9 | SW-AF-9__5/3/2009 | FIELD SAMPLE | 03-May-09 |
| AF-02 | AF-9 | SW-AF-9-F__5/3/2009 | FIELD SAMPLE | 03-May-09 |
| AF-02 | AG-BIOSW02 | AG-BIOSW02 | FIELD SAMPLE | 06-May-14 |
| AF-02 | AG-BIOSW02 | AG-BIOSW102 | FIELD DUPLICATE | 06-May-14 |
| AF-02 | AG-BIOSW03 | AG-BIOSW03 | FIELD SAMPLE | 06-May-14 |
| AF-02 | AG-BIOSW04 | AG-BIOSW04 | FIELD SAMPLE | 06-May-14 |
| AF-02 | AG-BIOSW05 | AG-BIOSW05 | FIELD SAMPLE | 07-May-14 |
| AF-02 | AG-BIOSW06 | AG-BIOSW06 | FIELD SAMPLE | 07-May-14 |
| AF-02 | AG-BIOSW07 | AG-BIOSW07 | FIELD SAMPLE | 07-May-14 |
| AF-02 | AG-BIOSW08 | AG-BIOSW08 | FIELD SAMPLE | 07-May-14 |
| AF-02 | DAM-SW05 | DAM-SW05 | FIELD SAMPLE | 06-May-14 |
| AF-02 | HS-39 | HS-39SW__1/28/2004 | FIELD SAMPLE | 28-Jan-04 |
| AF-02 | HS-39 | HS-39SW-F__1/28/2004 | FIELD SAMPLE | 28-Jan-04 |
| AF-02 | HS-39 | HS-40SW__1/28/2004 | FIELD DUPLICATE | 28-Jan-04 |
| AF-02 | HS-39 | HS-40SW-F__1/28/2004 | FIELD DUPLICATE | 28-Jan-04 |
| AF-02 | SWD-08 | SWD-08a | FIELD SAMPLE | 04-Aug-14 |
| AF-02 | SWD-08 | SWD-08b | FIELD SAMPLE | 15-Aug-14 |
| AF-02 | SWD-08 | SWD-108b | FIELD DUPLICATE | 15-Aug-14 |
| AF-03 | AF-11 | SW-AF-11__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-03 | AF-11 | SW-AF-11-F__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-03 | AF-12 | SW-AF-12__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-03 | AF-12 | SW-AF-12-F__8/24/2008 | FIELD SAMPLE | 24-Aug-08 |
| AF-03 | AF-13 | SW-AF-13__4/28/2009 | FIELD SAMPLE | 28-Apr-09 |
| AF-03 | AF-13 | SW-AF-13-F__4/28/2009 | FIELD SAMPLE | 28-Apr-09 |
| AF-03 | AF-14 | SW-AF-14__8/15/2008 | FIELD SAMPLE | 15-Aug-08 |
| AF-03 | AF-14 | SW-AF-14-D__8/15/2008 | FIELD DUPLICATE | 15-Aug-08 |
| AF-03 | AF-15 | SW-AF-15__8/25/2008 | FIELD SAMPLE | 25-Aug-08 |
| AF-03 | AF-15 | SW-AF-15-F__8/25/2008 | FIELD SAMPLE | 25-Aug-08 |
| AF-03 | AF-16 | SW-AF-16__4/28/2009 | FIELD SAMPLE | 28-Apr-09 |
| AF-03 | AF-16 | SW-AF-16-F__4/28/2009 | FIELD SAMPLE | 28-Apr-09 |
| AF-03 | AF-16 | SW-AF-99__4/28/2009 | FIELD DUPLICATE | 28-Apr-09 |
| AF-03 | AF-16 | SW-AF-99-F__4/28/2009 | FIELD DUPLICATE | 28-Apr-09 |
| AF-03 | AF-17 | SW-AF-17__5/3/2009 | FIELD SAMPLE | 03-May-09 |
| AF-03 | AF-17 | SW-AF-17-F__5/3/2009 | FIELD SAMPLE | 03-May-09 |
| AF-03 | AF-18 | SW-AF-18__5/3/2009 | FIELD SAMPLE | 03-May-09 |

TABLE K1-7

Samples Used in the Human Health Risk Assessment - Surface Water*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Surface Water/ Sediment Area | Point ID | Sample ID | Type | Sample Date |
|---|-----------------|----------------------|--------------|------------------------|
| AF-03 | AF-18 | SW-AF-18-F__5/3/2009 | FIELD SAMPLE | 03-May-09 |
| AF-03 | AG-BIOSW09 | AG-BIOSW09 | FIELD SAMPLE | 08-May-14 |
| AF-03 | AG-BIOSW10 | AG-BIOSW10 | FIELD SAMPLE | 08-May-14 |
| AF-03 | AG-BIOSW11 | AG-BIOSW11 | FIELD SAMPLE | 08-May-14 |
| AF-03 | DAM-SW06 | DAM-SW06 | FIELD SAMPLE | 06-May-14 |
| AF-03 | SWD-06 | SWD-06a | FIELD SAMPLE | 04-Aug-14 |
| AF-03 | SWD-06 | SWD-06b | FIELD SAMPLE | 15-Aug-14 |

K2. Risk-Based Screening Summary Tables

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Humboldt Smelter Superfund Site, Dewey, Humboldt, Pinal County, Arizona | | | | |
|---|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 103 | | | | |
| Aluminum | 18,400 | | 7,700 | |
| Antimony | 3.5 | | 3.1 | |
| Arsenic | 62.6 | 0.67 | 3.4 | |
| Barium | 249 | | 1,500 | Below RSL |
| Beryllium | 0.78 | 1,600 | 16 | Below RSL |
| Cadmium | 8.5 | 2,100 | 7 | |
| Chromium | 30 | | 12,000 | Below RSL |
| Cobalt | 15.6 | 420 | 2.3 | |
| Copper | 139 | | 310 | Below RSL |
| Iron | 32,000 | | 5,500 | |
| Lead | 195 | | 40 | |
| Manganese | 778 | | | |
| Mercury | 1.1 | | 2.3 | Below RSL |
| Nickel | 31.8 | 15,000 | 150 | Below RSL |
| Silver | 1.1 | | 39 | Below RSL |
| Vanadium | 56.5 | | 39 | |
| Zinc | 1,890 | | 2,300 | Below RSL |
| 104 | | | | |
| Aluminum | 17,200 | | 7,700 | |
| Antimony | 1.9 | | 3.1 | Below RSL |
| Arsenic | 42.8 | 0.67 | 3.4 | |
| Barium | 490 | | 1,500 | Below RSL |
| Beryllium | 0.78 | 1,600 | 16 | Below RSL |
| Cadmium | 3.5 | 2,100 | 7 | Below RSL |
| Chromium | 40 | | 12,000 | Below RSL |
| Cobalt | 24.3 | 420 | 2.3 | |
| Copper | 357 | | 310 | |
| Iron | 44,400 | | 5,500 | |
| Lead | 65.8 | | 40 | |
| Manganese | 4,500 | | 180 | |
| Mercury | 0.28 | | 2.3 | Below RSL |
| Nickel | 44.6 | 15,000 | 150 | Below RSL |
| Silver | 0.55 | | 39 | Below RSL |
| Vanadium | 72.8 | | 39 | |
| Zinc | 336 | | 2,300 | Below RSL |
| 105A | | | | |
| Aluminum | 23,300 | | 7,700 | |
| Antimony | 3.8 | | 3.1 | |
| Arsenic | 89.4 | 0.67 | 3.4 | |
| Barium | 243 | | 1,500 | Below RSL |
| Beryllium | 1.1 | 1,600 | 16 | Below RSL |
| Cadmium | 3.1 | 2,100 | 7 | Below RSL |
| Chromium | 59.2 | | 12,000 | Below RSL |
| Cobalt | 17.6 | 420 | 2.3 | |
| Copper | 429 | | 310 | |
| Iron | 57,100 | | 5,500 | |
| Lead | 84.7 | | 40 | |
| Manganese | 2,060 | | 180 | |
| Mercury | 0.24 | | 2.3 | Below RSL |
| Nickel | 58.3 | 15,000 | 150 | Below RSL |
| Silver | 0.83 | | 39 | Below RSL |
| Vanadium | 108 | | 39 | |
| Zinc | 657 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal, and Yavapai Counties, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 105B | | | | |
| Aluminum | 105,000 | | 7,700 | |
| Antimony | 39.4 | | 3.1 | |
| Arsenic | 92.7 | 0.67 | 3.4 | |
| Barium | 209 | | 1,500 | Below RSL |
| Beryllium | 11.4 | 1,600 | 16 | Below RSL |
| Cadmium | 18.3 | 2,100 | 7 | |
| Chromium | 441 | | 12,000 | Below RSL |
| Cobalt | 14.8 | 420 | 2.3 | |
| Copper | 4,830 | | 310 | |
| Iron | 37,400 | | 5,500 | |
| Lead | 698 | | 40 | |
| Manganese | 876 | | 180 | |
| Mercury | 0.36 | | 2.3 | Below RSL |
| Nickel | 253 | 15,000 | 150 | |
| Silver | 10.1 | | 39 | Below RSL |
| Vanadium | 51.5 | | 39 | |
| Zinc | 4,800 | | 2,300 | |
| 106 | | | | |
| Aluminum | 36,800 | | 7,700 | |
| Antimony | 5.2 | | 3.1 | |
| Arsenic | 277 | 0.67 | 3.4 | |
| Barium | 388 | | 1,500 | Below RSL |
| Beryllium | 0.72 | 1,600 | 16 | Below RSL |
| bis(2-Ethylhexyl)phthalate | 0.061 | 38 | 120 | Below RSL |
| Cadmium | 3.2 | 2,100 | 7 | Below RSL |
| Chromium | 135 | | 12,000 | Below RSL |
| Cobalt | 43.4 | 420 | 2.3 | |
| Copper | 204 | | 310 | Below RSL |
| Cyanide | 0.11 | | 2.1 | Below RSL |
| Iron | 104,000 | | 5,500 | |
| Lead | 81.7 | | 40 | |
| Manganese | 7,170 | | 180 | |
| Mercury | 0.3 | | 2.3 | Below RSL |
| Nickel | 80.6 | 15,000 | 150 | Below RSL |
| Nitrate as N | 3.3 | | 13,000 | Below RSL |
| Selenium | 0.53 | | 39 | Below RSL |
| Silver | 0.6 | | 39 | Below RSL |
| Sulfate | 8.6 | | | |
| Thallium | 0.38 | | 0.078 | |
| Vanadium | 188 | | 39 | |
| Zinc | 202 | | 2,300 | Below RSL |
| 107A | | | | |
| Aluminum | 39,100 | | 7,700 | |
| Arsenic | 137 | 0.67 | 3.4 | |
| Barium | 533 | | 1,500 | Below RSL |
| Beryllium | 1.7 | 1,600 | 16 | Below RSL |
| Cadmium | 4.5 | 2,100 | 7 | Below RSL |
| Chromium | 95.6 | | 12,000 | Below RSL |
| Cobalt | 23.4 | 420 | 2.3 | |
| Copper | 715 | | 310 | |
| Iron | 65,400 | | 5,500 | |
| Lead | 444 | | 40 | |
| Manganese | 1,500 | | 180 | |
| Mercury | 0.31 | | 2.3 | Below RSL |
| Nickel | 100 | 15,000 | 150 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Selenium | 2.6 | | 39 | Below RSL |
| Silver | 1.9 | | 39 | Below RSL |
| Vanadium | 97.7 | | 39 | |
| Zinc | 1,020 | | 2,300 | Below RSL |
| 107B | | | | |
| Aluminum | 54,500 | | 7,700 | |
| Antimony | 13.6 | | 3.1 | |
| Arsenic | 377 | 0.67 | 3.4 | |
| Barium | 519 | | 1,500 | Below RSL |
| Beryllium | 4 | 1,600 | 16 | Below RSL |
| Cadmium | 11.8 | 2,100 | 7 | |
| Chromium | 126 | | 12,000 | Below RSL |
| Cobalt | 23.7 | 420 | 2.3 | |
| Copper | 2,690 | | 310 | |
| Iron | 107,000 | | 5,500 | |
| Lead | 785 | | 40 | |
| Manganese | 3,480 | | 180 | |
| Mercury | 0.71 | | 2.3 | Below RSL |
| Nickel | 101 | 15,000 | 150 | Below RSL |
| Selenium | 5.5 | | 39 | Below RSL |
| Silver | 8.4 | | 39 | Below RSL |
| Vanadium | 88.6 | | 39 | |
| Zinc | 1,520 | | 2,300 | Below RSL |
| 108 | | | | |
| Aluminum | 40,100 | | 7,700 | |
| Antimony | 14.1 | | 3.1 | |
| Arsenic | 346 | 0.67 | 3.4 | |
| Barium | 660 | | 1,500 | Below RSL |
| Beryllium | 2 | 1,600 | 16 | Below RSL |
| Cadmium | 9.4 | 2,100 | 7 | |
| Chromium | 88.1 | | 12,000 | Below RSL |
| Cobalt | 22.4 | 420 | 2.3 | |
| Copper | 2,460 | | 310 | |
| Cyanide | 0.64 | | 2.1 | Below RSL |
| Iron | 68,400 | | 5,500 | |
| Lead | 1,430 | | 40 | |
| Manganese | 4,700 | | 180 | |
| Mercury | 1.5 | | 2.3 | Below RSL |
| Nickel | 67.9 | 15,000 | 150 | Below RSL |
| Selenium | 4 | | 39 | Below RSL |
| Silver | 8.2 | | 39 | Below RSL |
| Vanadium | 117 | | 39 | |
| Zinc | 2,590 | | 2,300 | |
| 109 | | | | |
| Aluminum | 63,800 | | 7,700 | |
| Antimony | 20.2 | | 3.1 | |
| Arsenic | 236 | 0.67 | 3.4 | |
| Barium | 766 | | 1,500 | Below RSL |
| Beryllium | 5.2 | 1,600 | 16 | Below RSL |
| Cadmium | 11.5 | 2,100 | 7 | |
| Chromium | 193 | | 12,000 | Below RSL |
| Cobalt | 22.8 | 420 | 2.3 | |
| Copper | 2,840 | | 310 | |
| Iron | 47,500 | | 5,500 | |
| Lead | 996 | | 40 | |
| Manganese | 974 | | 180 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Mercury | 1.2 | | 2.3 | Below RSL |
| Nickel | 138 | 15,000 | 150 | Below RSL |
| Selenium | 2.5 | | 39 | Below RSL |
| Silver | 5.7 | | 39 | Below RSL |
| Vanadium | 76.8 | | 39 | |
| Zinc | 3,240 | | 2,300 | |
| 110 | | | | |
| Aluminum | 14,300 | | 7,700 | |
| Antimony | 2 | | 3.1 | Below RSL |
| Arsenic | 45.3 | 0.67 | 3.4 | |
| Barium | 180 | | 1,500 | Below RSL |
| Beryllium | 0.52 | 1,600 | 16 | Below RSL |
| Cadmium | 2 | 2,100 | 7 | Below RSL |
| Chromium | 25.3 | | 12,000 | Below RSL |
| Cobalt | 13.2 | 420 | 2.3 | |
| Copper | 85.7 | | 310 | Below RSL |
| Iron | 28,700 | | 5,500 | |
| Lead | 148 | | 40 | |
| Manganese | 839 | | 180 | |
| Mercury | 0.23 | | 2.3 | Below RSL |
| Nickel | 20.2 | 15,000 | 150 | Below RSL |
| Selenium | 1.2 | | 39 | Below RSL |
| Silver | 1.1 | | 39 | Below RSL |
| Vanadium | 48 | | 39 | |
| Zinc | 426 | | 2,300 | Below RSL |
| 1101A | | | | |
| Aluminum | 18,100 | | 7,700 | |
| Arsenic | 98.2 | 0.67 | 3.4 | |
| Barium | 143 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Cadmium | 0.1 | 2,100 | 7 | Below RSL |
| Chromium | 18.5 | | 12,000 | Below RSL |
| Cobalt | 11.3 | 420 | 2.3 | |
| Copper | 29.9 | | 310 | Below RSL |
| Iron | 45,100 | | 5,500 | |
| Lead | 38.7 | | 40 | Below RSL |
| Manganese | 1,310 | | 180 | |
| Mercury | 0.028 | | 2.3 | Below RSL |
| Nickel | 12.8 | 15,000 | 150 | Below RSL |
| Vanadium | 52.8 | | 39 | |
| Zinc | 226 | | 2,300 | Below RSL |
| 1101B | | | | |
| Arsenic | 206 | 0.67 | 3.4 | |
| Iron | 55,100 | | 5,500 | |
| Lead | 68.2 | | 40 | |
| Manganese | 966 | | 180 | |
| Zinc | 328 | | 2,300 | Below RSL |
| 1102 | | | | |
| Aluminum | 23,900 | | 7,700 | |
| Arsenic | 197 | 0.67 | 3.4 | |
| Barium | 167 | | 1,500 | Below RSL |
| Beryllium | 0.8 | 1,600 | 16 | Below RSL |
| Chromium | 25.6 | | 12,000 | Below RSL |
| Cobalt | 13.7 | 420 | 2.3 | |
| Copper | 47.4 | | 310 | Below RSL |
| Iron | 63,300 | | 5,500 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Hamboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Lead | 21.4 | 15,000 | 40 | Below RSL |
| Manganese | 1,670 | | 180 | |
| Mercury | 0.038 | | 2.3 | Below RSL |
| Nickel | 18.8 | | 150 | Below RSL |
| Selenium | 0.79 | | 39 | Below RSL |
| Vanadium | 81.5 | | 39 | |
| Zinc | 194 | | 2,300 | Below RSL |
| 1104A | | | | |
| Aluminum | 16,900 | 0.67 | 7,700 | |
| Arsenic | 98.2 | | 3.4 | |
| Barium | 119 | | 1,500 | Below RSL |
| Beryllium | 0.66 | | 16 | Below RSL |
| Cadmium | 1 | | 7 | Below RSL |
| Chromium | 20.6 | | 12,000 | Below RSL |
| Cobalt | 11.6 | | 2.3 | |
| Copper | 55.9 | | 310 | Below RSL |
| Iron | 39,600 | 15,000 | 5,500 | |
| Lead | 86.6 | | 40 | |
| Manganese | 1,090 | | 180 | |
| Mercury | 0.26 | | 2.3 | Below RSL |
| Nickel | 13 | | 150 | Below RSL |
| Vanadium | 76 | | 39 | |
| Zinc | 309 | | 2,300 | Below RSL |
| 1104B | | | | |
| Aluminum | 17,800 | 0.67 | 7,700 | |
| Arsenic | 175 | | 3.4 | |
| Barium | 126 | | 1,500 | Below RSL |
| Beryllium | 0.64 | | 16 | Below RSL |
| Cadmium | 1.4 | | 7 | Below RSL |
| Chromium | 21.2 | | 12,000 | Below RSL |
| Cobalt | 13.3 | | 2.3 | |
| Copper | 73.7 | | 310 | Below RSL |
| Iron | 44,300 | 15,000 | 5,500 | |
| Lead | 99.5 | | 40 | |
| Manganese | 830 | | 180 | |
| Mercury | 0.38 | | 2.3 | Below RSL |
| Nickel | 13.5 | | 150 | Below RSL |
| Selenium | 1.8 | | 39 | Below RSL |
| Vanadium | 81 | | 39 | |
| Zinc | 404 | | 2,300 | Below RSL |
| 1106 | | | | |
| Aluminum | 27,700 | 0.67 | 7,700 | |
| Arsenic | 160 | | 3.4 | |
| Barium | 204 | | 1,500 | Below RSL |
| Beryllium | 0.94 | | 16 | Below RSL |
| Cadmium | 0.42 | | 7 | Below RSL |
| Chromium | 22.7 | | 12,000 | Below RSL |
| Cobalt | 13.9 | | 2.3 | |
| Copper | 36.8 | | 310 | Below RSL |
| Iron | 39,900 | 15,000 | 5,500 | |
| Lead | 129 | | 40 | |
| Manganese | 1,230 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 17 | | 150 | Below RSL |
| Vanadium | 81.6 | | 39 | |
| Zinc | 384 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal County, Arizona | | | | |
|---|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 1107 | | | | |
| Aluminum | 19,800 | | 7,700 | |
| Arsenic | 107 | 0.67 | 3.4 | |
| Barium | 159 | | 1,500 | Below RSL |
| Beryllium | 0.75 | 1,600 | 16 | Below RSL |
| Cadmium | 0.41 | 2,100 | 7 | Below RSL |
| Chromium | 21.4 | | 12,000 | Below RSL |
| Cobalt | 19.1 | 420 | 2.3 | |
| Copper | 44.4 | | 310 | Below RSL |
| Iron | 43,700 | | 5,500 | |
| Lead | 80.1 | | 40 | |
| Manganese | 934 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 15.3 | 15,000 | 150 | Below RSL |
| Vanadium | 86.1 | | 39 | |
| Zinc | 259 | | 2,300 | Below RSL |
| 1108 | | | | |
| Aluminum | 25,600 | | 7,700 | |
| Arsenic | 101 | 0.67 | 3.4 | |
| Barium | 113 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Chromium | 21.8 | | 12,000 | Below RSL |
| Cobalt | 14.8 | 420 | 2.3 | |
| Copper | 114 | | 310 | Below RSL |
| Iron | 39,800 | | 5,500 | |
| Lead | 101 | | 40 | |
| Manganese | 802 | | 180 | |
| Mercury | 0.34 | | 2.3 | Below RSL |
| Nickel | 14.5 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Vanadium | 87.5 | | 39 | |
| Zinc | 356 | | 2,300 | Below RSL |
| 112 | | | | |
| Aluminum | 19,000 | | 7,700 | |
| Arsenic | 36.3 | 0.67 | 3.4 | |
| Barium | 203 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Cadmium | 1.4 | 2,100 | 7 | Below RSL |
| Chromium | 21.3 | | 12,000 | Below RSL |
| Cobalt | 19.4 | 420 | 2.3 | |
| Copper | 52.4 | | 310 | Below RSL |
| Iron | 44,800 | | 5,500 | |
| Lead | 23 | | 40 | Below RSL |
| Manganese | 1,100 | | 180 | |
| Mercury | 0.075 | | 2.3 | Below RSL |
| Nickel | 18.6 | 15,000 | 150 | Below RSL |
| Nitrate as N | 9.8 | | 13,000 | Below RSL |
| Sulfate | 8.7 | | | |
| Vanadium | 73.2 | | 39 | |
| Zinc | 200 | | 2,300 | Below RSL |
| 113 | | | | |
| Aluminum | 17,400 | | 7,700 | |
| Arsenic | 41.2 | 0.67 | 3.4 | |
| Barium | 191 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Cadmium | 1.5 | 2,100 | 7 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 18.9 | | 12,000 | Below RSL |
| Cobalt | 16.6 | 420 | 2.3 | |
| Copper | 46.1 | | 310 | Below RSL |
| Iron | 33,800 | | 5,500 | |
| Lead | 30.8 | | 40 | Below RSL |
| Manganese | 901 | | 180 | |
| Mercury | 0.14 | | 2.3 | Below RSL |
| Nickel | 17.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.65 | | 39 | Below RSL |
| Silver | 0.13 | | 39 | Below RSL |
| Vanadium | 55.4 | | 39 | |
| Zinc | 428 | | 2,300 | Below RSL |
| 114 | | | | |
| Aluminum | 17,000 | | 7,700 | |
| Antimony | 4.3 | | 3.1 | |
| Arsenic | 151 | 0.67 | 3.4 | |
| Barium | 189 | | 1,500 | Below RSL |
| Beryllium | 0.67 | 1,600 | 16 | Below RSL |
| Cadmium | 2.4 | 2,100 | 7 | Below RSL |
| Chromium | 15.6 | | 12,000 | Below RSL |
| Cobalt | 14.2 | 420 | 2.3 | |
| Copper | 66.4 | | 310 | Below RSL |
| Iron | 38,000 | | 5,500 | |
| Lead | 117 | | 40 | |
| Manganese | 714 | | 180 | |
| Mercury | 0.54 | | 2.3 | Below RSL |
| Nickel | 16.9 | 15,000 | 150 | Below RSL |
| Silver | 0.49 | | 39 | Below RSL |
| Vanadium | 65.8 | | 39 | |
| Zinc | 469 | | 2,300 | Below RSL |
| 115 | | | | |
| Aluminum | 32,700 | | 7,700 | |
| Arsenic | 81.7 | 0.67 | 3.4 | |
| Barium | 2,300 | | 1,500 | |
| Beryllium | 1.5 | 1,600 | 16 | Below RSL |
| Cadmium | 3 | 2,100 | 7 | Below RSL |
| Chromium | 137 | | 12,000 | Below RSL |
| Cobalt | 32.5 | 420 | 2.3 | |
| Copper | 223 | | 310 | Below RSL |
| Iron | 54,700 | | 5,500 | |
| Lead | 126 | | 40 | |
| Manganese | 1,050 | | 180 | |
| Mercury | 0.091 | | 2.3 | Below RSL |
| Nickel | 193 | 15,000 | 150 | |
| Selenium | 1.1 | | 39 | Below RSL |
| Silver | 0.3 | | 39 | Below RSL |
| Vanadium | 114 | | 39 | |
| Zinc | 281 | | 2,300 | Below RSL |
| 116 | | | | |
| Aluminum | 19,300 | | 7,700 | |
| Antimony | 148 | | 3.1 | |
| Arsenic | 677 | 0.67 | 3.4 | |
| Barium | 328 | | 1,500 | Below RSL |
| Beryllium | 0.74 | 1,600 | 16 | Below RSL |
| Cadmium | 5.1 | 2,100 | 7 | Below RSL |
| Chromium | 38 | | 12,000 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cobalt | 16.8 | 420 | 2.3 | |
| Copper | 266 | | 310 | Below RSL |
| Cyanide | 0.33 | | 2.1 | Below RSL |
| Iron | 35,400 | | 5,500 | |
| Lead | 201 | | 40 | |
| Manganese | 3,070 | | 180 | |
| Mercury | 0.73 | | 2.3 | Below RSL |
| Nickel | 38.7 | 15,000 | 150 | Below RSL |
| Silver | 33.9 | | 39 | Below RSL |
| Vanadium | 65.7 | | 39 | |
| Zinc | 814 | | 2,300 | Below RSL |
| 117 | | | | |
| Aluminum | 17,500 | | 7,700 | |
| Antimony | 5.6 | | 3.1 | |
| Arsenic | 168 | 0.67 | 3.4 | |
| Barium | 233 | | 1,500 | Below RSL |
| Beryllium | 0.79 | 1,600 | 16 | Below RSL |
| Cadmium | 4.4 | 2,100 | 7 | Below RSL |
| Chromium | 38.8 | | 12,000 | Below RSL |
| Cobalt | 15.8 | 420 | 2.3 | |
| Copper | 52 | | 310 | Below RSL |
| Iron | 38,400 | | 5,500 | |
| Lead | 172 | | 40 | |
| Manganese | 750 | | 180 | |
| Mercury | 0.57 | | 2.3 | Below RSL |
| Nickel | 39.3 | 15,000 | 150 | Below RSL |
| Silver | 1.1 | | 39 | Below RSL |
| Vanadium | 77.8 | | 39 | |
| Zinc | 713 | | 2,300 | Below RSL |
| 119 | | | | |
| Aluminum | 19,800 | | 7,700 | |
| Antimony | 7.1 | | 3.1 | |
| Arsenic | 103 | 0.67 | 3.4 | |
| Barium | 459 | | 1,500 | Below RSL |
| Beryllium | 0.73 | 1,600 | 16 | Below RSL |
| Cadmium | 6.7 | 2,100 | 7 | Below RSL |
| Chromium | 35.4 | | 12,000 | Below RSL |
| Cobalt | 15.9 | 420 | 2.3 | |
| Copper | 163 | | 310 | Below RSL |
| Cyanide | 0.33 | | 2.1 | Below RSL |
| Iron | 39,100 | | 5,500 | |
| Lead | 383 | | 40 | |
| Manganese | 1,090 | | 180 | |
| Mercury | 1.2 | | 2.3 | Below RSL |
| Nickel | 35 | 15,000 | 150 | Below RSL |
| Selenium | 0.51 | | 39 | Below RSL |
| Silver | 1.9 | | 39 | Below RSL |
| Vanadium | 147 | | 39 | |
| Zinc | 1,500 | | 2,300 | Below RSL |
| 120 | | | | |
| Aluminum | 23,700 | | 7,700 | |
| Antimony | 160 | | 3.1 | |
| Arsenic | 47.2 | 0.67 | 3.4 | |
| Barium | 407 | | 1,500 | Below RSL |
| Beryllium | 1.1 | 1,600 | 16 | Below RSL |
| Cadmium | 2.3 | 2,100 | 7 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 45.9 | | 12,000 | Below RSL |
| Cobalt | 19.5 | 420 | 2.3 | |
| Copper | 76 | | 310 | Below RSL |
| Cyanide | 6.5 | | 2.1 | |
| Iron | 38,000 | | 5,500 | |
| Lead | 18,100 | | 40 | |
| Manganese | 1,160 | | 180 | |
| Mercury | 0.08 | | 2.3 | Below RSL |
| Nickel | 46.5 | 15,000 | 150 | Below RSL |
| Silver | 0.093 | | 39 | Below RSL |
| Vanadium | 81.4 | | 39 | |
| Zinc | 272 | | 2,300 | Below RSL |
| 121 | | | | |
| Aluminum | 25,600 | | 7,700 | |
| Arsenic | 80 | 0.67 | 3.4 | |
| Barium | 320 | | 1,500 | Below RSL |
| Beryllium | 0.88 | 1,600 | 16 | Below RSL |
| Cadmium | 3.2 | 2,100 | 7 | Below RSL |
| Chromium | 54.2 | | 12,000 | Below RSL |
| Cobalt | 20.3 | 420 | 2.3 | |
| Copper | 58.9 | | 310 | Below RSL |
| Cyanide | 0.63 | | 2.1 | Below RSL |
| Iron | 55,100 | | 5,500 | |
| Lead | 167 | | 40 | |
| Manganese | 1,650 | | 180 | |
| Mercury | 0.56 | | 2.3 | Below RSL |
| Nickel | 42.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.92 | | 39 | Below RSL |
| Silver | 1 | | 39 | Below RSL |
| Vanadium | 80.3 | | 39 | |
| Zinc | 426 | | 2,300 | Below RSL |
| 122 | | | | |
| Aluminum | 17,900 | | 7,700 | |
| Antimony | 15 | | 3.1 | |
| Arsenic | 33.1 | 0.67 | 3.4 | |
| Barium | 206 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Cadmium | 2.9 | 2,100 | 7 | Below RSL |
| Chromium | 32 | | 12,000 | Below RSL |
| Cobalt | 15 | 420 | 2.3 | |
| Copper | 177 | | 310 | Below RSL |
| Cyanide | 0.54 | | 2.1 | Below RSL |
| Iron | 32,300 | | 5,500 | |
| Lead | 192 | | 40 | |
| Manganese | 1,420 | | 180 | |
| Mercury | 0.41 | | 2.3 | Below RSL |
| Nickel | 27.2 | 15,000 | 150 | Below RSL |
| Silver | 0.54 | | 39 | Below RSL |
| Vanadium | 57.2 | | 39 | |
| Zinc | 246 | | 2,300 | Below RSL |
| 126 | | | | |
| Aluminum | 35,200 | | 7,700 | |
| Antimony | 2.6 | | 3.1 | Below RSL |
| Arsenic | 201 | 0.67 | 3.4 | |
| Barium | 177 | | 1,500 | Below RSL |
| Beryllium | 0.51 | 1,600 | 16 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cadmium | 7.7 | 2,100 | 7 | |
| Chromium | 86.9 | | 12,000 | Below RSL |
| Cobalt | 39 | 420 | 2.3 | |
| Copper | 189 | | 310 | Below RSL |
| Cyanide | 0.32 | | 2.1 | Below RSL |
| Iron | 160,000 | | 5,500 | |
| Lead | 76.4 | | 40 | |
| Manganese | 3,160 | | 180 | |
| Mercury | 0.11 | | 2.3 | Below RSL |
| Nickel | 56.5 | 15,000 | 150 | Below RSL |
| Silver | 0.82 | | 39 | Below RSL |
| Thallium | 1.2 | | 0.078 | |
| Vanadium | 263 | | 39 | |
| Zinc | 283 | | 2,300 | Below RSL |
| 127 | | | | |
| Aluminum | 28,000 | | 7,700 | |
| Antimony | 4 | | 3.1 | |
| Arsenic | 633 | 0.67 | 3.4 | |
| Barium | 580 | | 1,500 | Below RSL |
| Beryllium | 1.1 | 1,600 | 16 | Below RSL |
| Cadmium | 3.1 | 2,100 | 7 | Below RSL |
| Chromium | 49 | | 12,000 | Below RSL |
| Cobalt | 17 | 420 | 2.3 | |
| Copper | 199 | | 310 | Below RSL |
| Cyanide | 0.42 | | 2.1 | Below RSL |
| Iron | 51,400 | | 5,500 | |
| Lead | 871 | | 40 | |
| Manganese | 1,800 | | 180 | |
| Mercury | 7.1 | | 2.3 | |
| Nickel | 69 | 15,000 | 150 | Below RSL |
| Selenium | 8 | | 39 | Below RSL |
| Silver | 5.9 | | 39 | Below RSL |
| Thallium | 1.1 | | 0.078 | |
| Vanadium | 80 | | 39 | |
| Zinc | 790 | | 2,300 | Below RSL |
| 129 | | | | |
| Aluminum | 18,000 | | 7,700 | |
| Antimony | 0.98 | | 3.1 | Below RSL |
| Arsenic | 34.6 | 0.67 | 3.4 | |
| Barium | 230 | | 1,500 | Below RSL |
| Beryllium | 0.44 | 1,600 | 16 | Below RSL |
| Cadmium | 0.7 | 2,100 | 7 | Below RSL |
| Chromium | 30.3 | | 12,000 | Below RSL |
| Cobalt | 17.1 | 420 | 2.3 | |
| Copper | 251 | | 310 | Below RSL |
| Cyanide | 0.36 | | 2.1 | Below RSL |
| Iron | 30,300 | | 5,500 | |
| Lead | 101 | | 40 | |
| Manganese | 1,470 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 35.3 | 15,000 | 150 | Below RSL |
| Silver | 1.5 | | 39 | Below RSL |
| Vanadium | 56 | | 39 | |
| Zinc | 188 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal, and Yavapai Counties, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 130 | | | | |
| Aluminum | 13,100 | | 7,700 | |
| Antimony | 1.8 | | 3.1 | Below RSL |
| Arsenic | 24.3 | 0.67 | 3.4 | |
| Barium | 591 | | 1,500 | Below RSL |
| Cadmium | 1.2 | 2,100 | 7 | Below RSL |
| Chromium | 22.9 | | 12,000 | Below RSL |
| Cobalt | 13.6 | 420 | 2.3 | |
| Copper | 157 | | 310 | Below RSL |
| Cyanide | 0.77 | | 2.1 | Below RSL |
| Iron | 21,300 | | 5,500 | |
| Lead | 65.8 | | 40 | |
| Manganese | 4,580 | | 180 | |
| Mercury | 0.17 | | 2.3 | Below RSL |
| Nickel | 25.2 | 15,000 | 150 | Below RSL |
| Selenium | 1.4 | | 39 | Below RSL |
| Silver | 0.43 | | 39 | Below RSL |
| Thallium | 0.41 | | 0.078 | |
| Vanadium | 39.4 | | 39 | |
| Zinc | 256 | | 2,300 | Below RSL |
| 131 | | | | |
| Aluminum | 16,600 | | 7,700 | |
| Antimony | 6 | | 3.1 | |
| Arsenic | 41.6 | 0.67 | 3.4 | |
| Barium | 230 | | 1,500 | Below RSL |
| Beryllium | 0.86 | 1,600 | 16 | Below RSL |
| Cadmium | 1 | 2,100 | 7 | Below RSL |
| Chromium | 30.9 | | 12,000 | Below RSL |
| Cobalt | 16.2 | 420 | 2.3 | |
| Copper | 351 | | 310 | |
| Cyanide | 1.1 | | 2.1 | Below RSL |
| Iron | 26,400 | | 5,500 | |
| Lead | 63.6 | | 40 | |
| Manganese | 1,820 | | 180 | |
| Mercury | 0.24 | | 2.3 | Below RSL |
| Nickel | 36.4 | 15,000 | 150 | Below RSL |
| Selenium | 1.5 | | 39 | Below RSL |
| Silver | 0.49 | | 39 | Below RSL |
| Thallium | 2.5 | | 0.078 | |
| Vanadium | 48.2 | | 39 | |
| Zinc | 335 | | 2,300 | Below RSL |
| 133 | | | | |
| Aluminum | 10,600 | | 7,700 | |
| Arsenic | 52.1 | 0.67 | 3.4 | |
| Barium | 156 | | 1,500 | Below RSL |
| Beryllium | 0.9 | 1,600 | 16 | Below RSL |
| Cadmium | 1.3 | 2,100 | 7 | Below RSL |
| Chromium | 23.1 | | 12,000 | Below RSL |
| Cobalt | 12.5 | 420 | 2.3 | |
| Copper | 37.1 | | 310 | Below RSL |
| Iron | 26,100 | | 5,500 | |
| Lead | 110 | | 40 | |
| Manganese | 1,070 | | | |
| Mercury | 1.2 | | 2.3 | Below RSL |
| Nickel | 49.6 | 15,000 | 150 | Below RSL |
| Selenium | 1.6 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Thallium | 0.53 | | 0.078 | |
| Vanadium | 43.6 | | 39 | |
| Zinc | 567 | | 2,300 | Below RSL |
| 134 | | | | |
| Aluminum | 13,500 | | 7,700 | |
| Antimony | 1.5 | | 3.1 | Below RSL |
| Arsenic | 47.2 | 0.67 | 3.4 | |
| Barium | 146 | | 1,500 | Below RSL |
| Cadmium | 0.63 | 2,100 | 7 | Below RSL |
| Chromium | 15.9 | | 12,000 | Below RSL |
| Cobalt | 9.6 | 420 | 2.3 | |
| Copper | 89.8 | | 310 | Below RSL |
| Cyanide | 0.14 | | 2.1 | Below RSL |
| Iron | 20,500 | | 5,500 | |
| Lead | 67.3 | | 40 | |
| Manganese | 539 | | 180 | |
| Mercury | 0.43 | | 2.3 | Below RSL |
| Nickel | 16.6 | 15,000 | 150 | Below RSL |
| Selenium | 1.3 | | 39 | Below RSL |
| Silver | 0.23 | | 39 | Below RSL |
| Thallium | 1.3 | | 0.078 | |
| Vanadium | 35 | | 39 | Below RSL |
| Zinc | 254 | | 2,300 | Below RSL |
| 135 | | | | |
| Aluminum | 20,800 | | 7,700 | |
| Antimony | 1.6 | | 3.1 | Below RSL |
| Arsenic | 73.5 | 0.67 | 3.4 | |
| Barium | 318 | | 1,500 | Below RSL |
| Beryllium | 0.21 | 1,600 | 16 | Below RSL |
| Cadmium | 3 | 2,100 | 7 | Below RSL |
| Chromium | 43.3 | | 12,000 | Below RSL |
| Cobalt | 17 | 420 | 2.3 | |
| Copper | 259 | | 310 | Below RSL |
| Cyanide | 0.44 | | 2.1 | Below RSL |
| Iron | 32,700 | | 5,500 | |
| Lead | 278 | | 40 | |
| Manganese | 1,930 | | 180 | |
| Mercury | 0.85 | | 2.3 | Below RSL |
| Nickel | 63.6 | 15,000 | 150 | Below RSL |
| Selenium | 2.3 | | 39 | Below RSL |
| Silver | 1.5 | | 39 | Below RSL |
| Vanadium | 57.2 | | 39 | |
| Zinc | 857 | | 2,300 | Below RSL |
| 136 | | | | |
| Aluminum | 20,600 | | 7,700 | |
| Antimony | 1.9 | | 3.1 | Below RSL |
| Arsenic | 40.1 | 0.67 | 3.4 | |
| Barium | 327 | | 1,500 | Below RSL |
| Beryllium | 0.38 | 1,600 | 16 | Below RSL |
| Cadmium | 3.1 | 2,100 | 7 | Below RSL |
| Chromium | 34.9 | | 12,000 | Below RSL |
| Cobalt | 18 | 420 | 2.3 | |
| Copper | 598 | | 310 | |
| Cyanide | 0.51 | | 2.1 | Below RSL |
| Iron | 27,700 | | 5,500 | |
| Lead | 70.7 | | 40 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Manganese | 2,100 | | 180 | |
| Mercury | 3.3 | | 2.3 | |
| Nickel | 40.1 | 15,000 | 150 | Below RSL |
| Selenium | 1.5 | | 39 | Below RSL |
| Silver | 0.58 | | 39 | Below RSL |
| Vanadium | 50.7 | | 39 | |
| Zinc | 340 | | 2,300 | Below RSL |
| 137 | | | | |
| Aluminum | 12,900 | | 7,700 | |
| Antimony | 1.7 | | 3.1 | Below RSL |
| Arsenic | 19.6 | 0.67 | 3.4 | |
| Barium | 200 | | 1,500 | Below RSL |
| Beryllium | 0.28 | 1,600 | 16 | Below RSL |
| Cadmium | 0.86 | 2,100 | 7 | Below RSL |
| Chromium | 16.5 | | 12,000 | Below RSL |
| Cobalt | 9.9 | 420 | 2.3 | |
| Copper | 67.4 | | 310 | Below RSL |
| Cyanide | 0.21 | | 2.1 | Below RSL |
| Iron | 23,800 | | 5,500 | |
| Lead | 93.8 | | 40 | |
| Manganese | 964 | | 180 | |
| Mercury | 0.23 | | 2.3 | Below RSL |
| Nickel | 16.7 | 15,000 | 150 | Below RSL |
| Selenium | 1.5 | | 39 | Below RSL |
| Silver | 0.22 | | 39 | Below RSL |
| Thallium | 1 | | 0.078 | |
| Vanadium | 38.3 | | 39 | Below RSL |
| Zinc | 193 | | 2,300 | Below RSL |
| 138A | | | | |
| Aluminum | 14,200 | | 7,700 | |
| Antimony | 1.5 | | 3.1 | Below RSL |
| Arsenic | 56.1 | 0.67 | 3.4 | |
| Barium | 95.7 | | 1,500 | Below RSL |
| Chromium | 21.7 | | 12,000 | Below RSL |
| Cobalt | 9.9 | 420 | 2.3 | |
| Copper | 39.3 | | 310 | Below RSL |
| Iron | 35,700 | | 5,500 | |
| Lead | 303 | | 40 | |
| Manganese | 660 | | 180 | |
| Mercury | 0.059 | | 2.3 | Below RSL |
| Nickel | 13.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.5 | | 39 | Below RSL |
| Vanadium | 69.1 | | 39 | |
| Zinc | 485 | | 2,300 | Below RSL |
| 138B | | | | |
| Aluminum | 14,500 | | 7,700 | |
| Antimony | 2.2 | | 3.1 | Below RSL |
| Arsenic | 241 | 0.67 | 3.4 | |
| Barium | 179 | | 1,500 | Below RSL |
| Beryllium | 0.42 | 1,600 | 16 | Below RSL |
| Cadmium | 2.3 | 2,100 | 7 | Below RSL |
| Chromium | 30.1 | | 12,000 | Below RSL |
| Cobalt | 11.1 | 420 | 2.3 | |
| Copper | 218 | | 310 | Below RSL |
| Cyanide | 2.4 | | 2.1 | |
| Iron | 43,000 | | 5,500 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Lead | 1,880 | | 40 | |
| Manganese | 942 | | 180 | |
| Mercury | 1.2 | | 2.3 | Below RSL |
| Nickel | 26.1 | 15,000 | 150 | Below RSL |
| Selenium | 2.7 | | 39 | Below RSL |
| Silver | 2.2 | | 39 | Below RSL |
| Thallium | 0.49 | | 0.078 | |
| Vanadium | 51.3 | | 39 | |
| Zinc | 745 | | 2,300 | Below RSL |
| 138C | | | | |
| Aluminum | 22,100 | | 7,700 | |
| Arsenic | 39.3 | 0.67 | 3.4 | |
| Barium | 132 | | 1,500 | Below RSL |
| Chromium | 22.8 | | 12,000 | Below RSL |
| Cobalt | 15.6 | 420 | 2.3 | |
| Copper | 48.8 | | 310 | Below RSL |
| Iron | 36,500 | | 5,500 | |
| Lead | 157 | | 40 | |
| Manganese | 665 | | 180 | |
| Mercury | 0.061 | | 2.3 | Below RSL |
| Nickel | 14.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.81 | | 39 | Below RSL |
| Vanadium | 82.6 | | 39 | |
| Zinc | 378 | | 2,300 | Below RSL |
| 139 | | | | |
| Aluminum | 20,700 | | 7,700 | |
| Antimony | 1.1 | | 3.1 | Below RSL |
| Arsenic | 18.9 | 0.67 | 3.4 | |
| Barium | 363 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 0.056 | 2,100 | 7 | Below RSL |
| Chromium | 34.5 | | 12,000 | Below RSL |
| Cobalt | 19.6 | 420 | 2.3 | |
| Copper | 82.9 | | 310 | Below RSL |
| Cyanide | 0.27 | | 2.1 | Below RSL |
| Iron | 26,900 | | 5,500 | |
| Lead | 36.2 | | 40 | Below RSL |
| Manganese | 2,920 | | 180 | |
| Mercury | 0.093 | | 2.3 | Below RSL |
| Nickel | 40.2 | 15,000 | 150 | Below RSL |
| Silver | 0.064 | | 39 | Below RSL |
| Vanadium | 55 | | 39 | |
| Zinc | 203 | | 2,300 | Below RSL |
| 140 | | | | |
| Aluminum | 17,500 | | 7,700 | |
| Antimony | 2 | | 3.1 | Below RSL |
| Arsenic | 29.2 | 0.67 | 3.4 | |
| Barium | 356 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Cadmium | 1.9 | 2,100 | 7 | Below RSL |
| Chromium | 33.3 | | 12,000 | Below RSL |
| Cobalt | 15.9 | 420 | 2.3 | |
| Copper | 372 | | 310 | |
| Cyanide | 0.76 | | 2.1 | Below RSL |
| Iron | 27,500 | | 5,500 | |
| Lead | 147 | | 40 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Manganese | 2,230 | | 180 | |
| Mercury | 0.34 | | 2.3 | Below RSL |
| Nickel | 35.4 | 15,000 | 150 | Below RSL |
| Selenium | 1.4 | | 39 | Below RSL |
| Silver | 1 | | 39 | Below RSL |
| Thallium | 0.91 | | 0.078 | |
| Vanadium | 50.7 | | 39 | |
| Zinc | 318 | | 2,300 | Below RSL |
| 141 | | | | |
| Aluminum | 16,700 | | 7,700 | |
| Antimony | 2 | | 3.1 | Below RSL |
| Arsenic | 115 | 0.67 | 3.4 | |
| Barium | 263 | | 1,500 | Below RSL |
| Beryllium | 0.56 | 1,600 | 16 | Below RSL |
| Cadmium | 3.8 | 2,100 | 7 | Below RSL |
| Chromium | 21.5 | | 12,000 | Below RSL |
| Cobalt | 13.5 | 420 | 2.3 | |
| Copper | 892 | | 310 | |
| Cyanide | 0.97 | | 2.1 | Below RSL |
| Iron | 34,200 | | 5,500 | |
| Lead | 746 | | 40 | |
| Manganese | 962 | | 180 | |
| Mercury | 2 | | 2.3 | Below RSL |
| Nickel | 20.6 | 15,000 | 150 | Below RSL |
| Selenium | 3.1 | | 39 | Below RSL |
| Silver | 6 | | 39 | Below RSL |
| Vanadium | 40.3 | | 39 | |
| Zinc | 1,020 | | 2,300 | Below RSL |
| 142 | | | | |
| Aluminum | 17,300 | | 7,700 | |
| Antimony | 2.7 | | 3.1 | Below RSL |
| Arsenic | 125 | 0.67 | 3.4 | |
| Barium | 248 | | 1,500 | Below RSL |
| Beryllium | 0.52 | 1,600 | 16 | Below RSL |
| Cadmium | 4.9 | 2,100 | 7 | Below RSL |
| Chromium | 19.7 | | 12,000 | Below RSL |
| Cobalt | 9.5 | 420 | 2.3 | |
| Copper | 216 | | 310 | Below RSL |
| Cyanide | 0.32 | | 2.1 | Below RSL |
| Iron | 22,000 | | 5,500 | |
| Lead | 415 | | 40 | |
| Manganese | 528 | | | |
| Mercury | 3.6 | | 2.3 | |
| Nickel | 23.2 | 15,000 | 150 | Below RSL |
| Selenium | 3.4 | | 39 | Below RSL |
| Silver | 3.1 | | 39 | Below RSL |
| Vanadium | 42 | | 39 | |
| Zinc | 1,660 | | 2,300 | Below RSL |
| 143 | | | | |
| Aluminum | 13,200 | | 7,700 | |
| Arsenic | 146 | 0.67 | 3.4 | |
| Barium | 200 | | 1,500 | Below RSL |
| Beryllium | 0.19 | 1,600 | 16 | Below RSL |
| Cadmium | 5.8 | 2,100 | 7 | Below RSL |
| Chromium | 24.6 | | 12,000 | Below RSL |
| Cobalt | 11.6 | 420 | 2.3 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Copper | 232 | | 310 | Below RSL |
| Cyanide | 0.24 | | 2.1 | Below RSL |
| Iron | 30,800 | | 5,500 | |
| Lead | 777 | | 40 | |
| Manganese | 1,160 | | 180 | |
| Mercury | 3.9 | | 2.3 | |
| Nickel | 27.1 | 15,000 | 150 | Below RSL |
| Selenium | 5.1 | | 39 | Below RSL |
| Silver | 4.9 | | 39 | Below RSL |
| Vanadium | 42.8 | | 39 | |
| Zinc | 1,650 | | 2,300 | Below RSL |
| 144 | | | | |
| Aluminum | 22,800 | | 7,700 | |
| Antimony | 2.3 | | 3.1 | Below RSL |
| Arsenic | 34.8 | 0.67 | 3.4 | |
| Barium | 320 | | 1,500 | Below RSL |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Cadmium | 1.1 | 2,100 | 7 | Below RSL |
| Chromium | 39.9 | | 12,000 | Below RSL |
| Cobalt | 17 | 420 | 2.3 | |
| Copper | 203 | | 310 | Below RSL |
| Cyanide | 1.7 | | 2.1 | Below RSL |
| Iron | 37,400 | | 5,500 | |
| Lead | 119 | | 40 | |
| Manganese | 1,700 | | 180 | |
| Mercury | 0.17 | | 2.3 | Below RSL |
| Nickel | 38.7 | 15,000 | 150 | Below RSL |
| Selenium | 2.2 | | 39 | Below RSL |
| Silver | 0.31 | | 39 | Below RSL |
| Vanadium | 62.3 | | 39 | |
| Zinc | 329 | | 2,300 | Below RSL |
| 145 | | | | |
| Aluminum | 19,200 | | 7,700 | |
| Antimony | 1.8 | | 3.1 | Below RSL |
| Arsenic | 152 | 0.67 | 3.4 | |
| Barium | 313 | | 1,500 | Below RSL |
| Beryllium | 0.52 | 1,600 | 16 | Below RSL |
| Cadmium | 0.82 | 2,100 | 7 | Below RSL |
| Chromium | 69.1 | | 12,000 | Below RSL |
| Cobalt | 19.9 | 420 | 2.3 | |
| Copper | 1,130 | | 310 | |
| Cyanide | 0.12 | | 2.1 | Below RSL |
| Iron | 52,400 | | 5,500 | |
| Lead | 151 | | 40 | |
| Manganese | 7,480 | | 180 | |
| Mercury | 0.3 | | 2.3 | Below RSL |
| Nickel | 34.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.84 | | 39 | Below RSL |
| Silver | 1 | | 39 | Below RSL |
| Thallium | 0.76 | | 0.078 | |
| Vanadium | 93.7 | | 39 | |
| Zinc | 329 | | 2,300 | Below RSL |
| 146 | | | | |
| Aluminum | 22,100 | | 7,700 | |
| Antimony | 1.9 | | 3.1 | Below RSL |
| Arsenic | 64.5 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 352 | | 1,500 | Below RSL |
| Beryllium | 0.65 | 1,600 | 16 | Below RSL |
| Cadmium | 1.8 | 2,100 | 7 | Below RSL |
| Chromium | 52.5 | | 12,000 | Below RSL |
| Cobalt | 19.8 | 420 | 2.3 | |
| Copper | 606 | | 310 | |
| Cyanide | 0.55 | | 2.1 | Below RSL |
| Iron | 41,400 | | 5,500 | |
| Lead | 138 | | 40 | |
| Manganese | 2,660 | | 180 | |
| Mercury | 0.19 | | 2.3 | Below RSL |
| Nickel | 42.2 | 15,000 | 150 | Below RSL |
| Silver | 0.67 | | 39 | Below RSL |
| Sulfate | 28 | | | |
| Thallium | 0.79 | | 0.078 | |
| Vanadium | 69.3 | | 39 | |
| Zinc | 335 | | 2,300 | Below RSL |
| 147 | | | | |
| Aluminum | 11,700 | | 7,700 | |
| Antimony | 6.7 | | 3.1 | |
| Arsenic | 259 | 0.67 | 3.4 | |
| Barium | 152 | | 1,500 | Below RSL |
| Beryllium | 0.57 | 1,600 | 16 | Below RSL |
| Cadmium | 2 | 2,100 | 7 | Below RSL |
| Chromium | 19.2 | | 12,000 | Below RSL |
| Cobalt | 15.2 | 420 | 2.3 | |
| Copper | 59 | | 310 | Below RSL |
| Cyanide | 0.13 | | 2.1 | Below RSL |
| Iron | 44,100 | | 5,500 | |
| Lead | 215 | | 40 | |
| Manganese | 689 | | 180 | |
| Mercury | 1.2 | | 2.3 | Below RSL |
| Nickel | 19.8 | 15,000 | 150 | Below RSL |
| Selenium | 3.3 | | 39 | Below RSL |
| Silver | 1.2 | | 39 | Below RSL |
| Vanadium | 66 | | 39 | |
| Zinc | 717 | | 2,300 | Below RSL |
| 149 | | | | |
| Aluminum | 17,800 | | 7,700 | |
| Antimony | 1.9 | | 3.1 | Below RSL |
| Arsenic | 33.1 | 0.67 | 3.4 | |
| Barium | 247 | | 1,500 | Below RSL |
| Cadmium | 2.3 | 2,100 | 7 | Below RSL |
| Chromium | 22.4 | | 12,000 | Below RSL |
| Cobalt | 14.3 | 420 | 2.3 | |
| Copper | 3,550 | | 310 | |
| Cyanide | 0.23 | | 2.1 | Below RSL |
| Iron | 26,800 | | 5,500 | |
| Lead | 362 | | 40 | |
| Manganese | 653 | | 180 | |
| Mercury | 2.3 | | 2.3 | |
| Nickel | 37.8 | 15,000 | 150 | Below RSL |
| Selenium | 9.2 | | 39 | Below RSL |
| Silver | 1.2 | | 39 | Below RSL |
| Vanadium | 42.9 | | 39 | |
| Zinc | 566 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Humboldt Smelter Superfund Site, Dewey, Humboldt, Pinal County, Arizona | | | | |
|---|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 150 | | | | |
| Aluminum | 17,300 | | 7,700 | |
| Antimony | 0.68 | | 3.1 | Below RSL |
| Arsenic | 22.5 | 0.67 | 3.4 | |
| Barium | 146 | | 1,500 | Below RSL |
| Cadmium | 0.81 | 2,100 | 7 | Below RSL |
| Chromium | 32.6 | | 12,000 | Below RSL |
| Cobalt | 15.4 | 420 | 2.3 | |
| Copper | 70.4 | | 310 | Below RSL |
| Cyanide | 0.47 | | 2.1 | Below RSL |
| Iron | 27,800 | | 5,500 | |
| Lead | 17.7 | | 40 | Below RSL |
| Manganese | 764 | | 180 | |
| Nickel | 36.3 | 15,000 | 150 | Below RSL |
| Silver | 0.078 | | 39 | Below RSL |
| Vanadium | 58.9 | | 39 | |
| Zinc | 260 | | 2,300 | Below RSL |
| 151 | | | | |
| Aluminum | 13,700 | | 7,700 | |
| Antimony | 1.2 | | 3.1 | Below RSL |
| Arsenic | 96.5 | 0.67 | 3.4 | |
| Barium | 194 | | 1,500 | Below RSL |
| Beryllium | 0.53 | 1,600 | 16 | Below RSL |
| Cadmium | 3.7 | 2,100 | 7 | Below RSL |
| Chromium | 19.5 | | 12,000 | Below RSL |
| Cobalt | 13.4 | 420 | 2.3 | |
| Copper | 166 | | 310 | Below RSL |
| Cyanide | 0.38 | | 2.1 | Below RSL |
| Iron | 33,400 | | 5,500 | |
| Lead | 207 | | 40 | |
| Manganese | 759 | | 180 | |
| Mercury | 1.1 | | 2.3 | Below RSL |
| Nickel | 17.7 | 15,000 | 150 | Below RSL |
| Selenium | 3.1 | | 39 | Below RSL |
| Silver | 1.3 | | 39 | Below RSL |
| Vanadium | 46.1 | | 39 | |
| Zinc | 794 | | 2,300 | Below RSL |
| 152 | | | | |
| Aluminum | 21,400 | | 7,700 | |
| Antimony | 0.5 | | 3.1 | Below RSL |
| Arsenic | 18.1 | 0.67 | 3.4 | |
| Barium | 519 | | 1,500 | Below RSL |
| Beryllium | 0.67 | 1,600 | 16 | Below RSL |
| Cadmium | 1.2 | 2,100 | 7 | Below RSL |
| Chromium | 23.2 | | 12,000 | Below RSL |
| Cobalt | 15 | 420 | 2.3 | |
| Copper | 95.2 | | 310 | Below RSL |
| Iron | 22,600 | | 5,500 | |
| Lead | 37.6 | | 40 | Below RSL |
| Manganese | 748 | | 180 | |
| Mercury | 0.065 | | 2.3 | Below RSL |
| Nickel | 43.3 | 15,000 | 150 | Below RSL |
| Silver | 0.34 | | 39 | Below RSL |
| Vanadium | 45.5 | | 39 | |
| Zinc | 114 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Hamboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 153 | | | | |
| Aluminum | 12,700 | | 7,700 | |
| Antimony | 2 | | 3.1 | Below RSL |
| Arsenic | 57.6 | 0.67 | 3.4 | |
| Barium | 284 | | 1,500 | Below RSL |
| Beryllium | 0.57 | 1,600 | 16 | Below RSL |
| Cadmium | 2.6 | 2,100 | 7 | Below RSL |
| Chromium | 22.4 | | 12,000 | Below RSL |
| Cobalt | 13.7 | 420 | 2.3 | |
| Copper | 238 | | 310 | Below RSL |
| Iron | 23,600 | | 5,500 | |
| Lead | 1,020 | | 40 | |
| Manganese | 733 | | 180 | |
| Mercury | 0.44 | | 2.3 | Below RSL |
| Nickel | 20.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.89 | | 39 | Below RSL |
| Silver | 2.3 | | 39 | Below RSL |
| Vanadium | 50.2 | | 39 | |
| Zinc | 6,780 | | 2,300 | |
| 154 | | | | |
| Aluminum | 20,400 | | 7,700 | |
| Antimony | 0.99 | | 3.1 | Below RSL |
| Arsenic | 81.7 | 0.67 | 3.4 | |
| Barium | 171 | | 1,500 | Below RSL |
| Beryllium | 0.46 | 1,600 | 16 | Below RSL |
| Cadmium | 1.7 | 2,100 | 7 | Below RSL |
| Chromium | 18.5 | | 12,000 | Below RSL |
| Cobalt | 14.3 | 420 | 2.3 | |
| Copper | 54.4 | | 310 | Below RSL |
| Iron | 30,900 | | 5,500 | |
| Lead | 126 | | 40 | |
| Manganese | 790 | | 180 | |
| Mercury | 0.43 | | 2.3 | Below RSL |
| Nickel | 16.2 | 15,000 | 150 | Below RSL |
| Silver | 0.53 | | 39 | Below RSL |
| Vanadium | 51.8 | | 39 | |
| Zinc | 296 | | 2,300 | Below RSL |
| 155 | | | | |
| Aluminum | 20,700 | | 7,700 | |
| Antimony | 2.1 | | 3.1 | Below RSL |
| Arsenic | 84.9 | 0.67 | 3.4 | |
| Barium | 352 | | 1,500 | Below RSL |
| Beryllium | 0.77 | 1,600 | 16 | Below RSL |
| Cadmium | 2 | 2,100 | 7 | Below RSL |
| Chromium | 39.6 | | 12,000 | Below RSL |
| Cobalt | 16.5 | 420 | 2.3 | |
| Copper | 219 | | 310 | Below RSL |
| Cyanide | 6.1 | | 2.1 | |
| Iron | 26,100 | | 5,500 | |
| Lead | 50.4 | | 40 | |
| Manganese | 1,560 | | 180 | |
| Mercury | 0.093 | | 2.3 | Below RSL |
| Nickel | 59.2 | 15,000 | 150 | Below RSL |
| Silver | 0.5 | | 39 | Below RSL |
| Vanadium | 53.1 | | 39 | |
| Zinc | 376 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal, and Yavapai Counties, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 156 | | | | |
| Aluminum | 19,900 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |
| Arsenic | 177 | 0.67 | 3.4 | |
| Barium | 198 | | 1,500 | Below RSL |
| Beryllium | 0.41 | 1,600 | 16 | Below RSL |
| Cadmium | 1.5 | 2,100 | 7 | Below RSL |
| Chromium | 151 | | 12,000 | Below RSL |
| Cobalt | 23.8 | 420 | 2.3 | |
| Copper | 92.7 | | 310 | Below RSL |
| Iron | 46,600 | | 5,500 | |
| Lead | 32 | | 40 | Below RSL |
| Manganese | 1,650 | | 180 | |
| Mercury | 0.16 | | 2.3 | Below RSL |
| Nickel | 104 | 15,000 | 150 | Below RSL |
| Silver | 0.19 | | 39 | Below RSL |
| Vanadium | 104 | | 39 | |
| Zinc | 128 | | 2,300 | Below RSL |
| 157 | | | | |
| Aluminum | 13,400 | | 7,700 | |
| Antimony | 5 | | 3.1 | |
| Arsenic | 538 | 0.67 | 3.4 | |
| Barium | 132 | | 1,500 | Below RSL |
| Beryllium | 0.42 | 1,600 | 16 | Below RSL |
| Cadmium | 3.4 | 2,100 | 7 | Below RSL |
| Chromium | 24.2 | | 12,000 | Below RSL |
| Cobalt | 13.3 | 420 | 2.3 | |
| Copper | 440 | | 310 | |
| Iron | 26,600 | | 5,500 | |
| Lead | 208 | | 40 | |
| Manganese | 815 | | 180 | |
| Mercury | 0.25 | | 2.3 | Below RSL |
| Nickel | 23.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.95 | | 39 | Below RSL |
| Silver | 2.6 | | 39 | Below RSL |
| Vanadium | 50.3 | | 39 | |
| Zinc | 508 | | 2,300 | Below RSL |
| 158 | | | | |
| Aluminum | 24,100 | | 7,700 | |
| Antimony | 0.99 | | 3.1 | Below RSL |
| Arsenic | 39.3 | 0.67 | 3.4 | |
| Barium | 173 | | 1,500 | Below RSL |
| Beryllium | 0.77 | 1,600 | 16 | Below RSL |
| Cadmium | 0.44 | 2,100 | 7 | Below RSL |
| Chromium | 18.6 | | 12,000 | Below RSL |
| Cobalt | 20.4 | 420 | 2.3 | |
| Copper | 47.2 | | 310 | Below RSL |
| Iron | 35,900 | | 5,500 | |
| Lead | 34.9 | | 40 | Below RSL |
| Manganese | 916 | | 180 | |
| Mercury | 0.056 | | 2.3 | Below RSL |
| Nickel | 17.7 | 15,000 | 150 | Below RSL |
| Silver | 0.12 | | 39 | Below RSL |
| Vanadium | 66.4 | | 39 | |
| Zinc | 218 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 159 | | | | |
| Aluminum | 20,000 | | 7,700 | |
| Antimony | 0.89 | | 3.1 | Below RSL |
| Arsenic | 120 | 0.67 | 3.4 | |
| Barium | 184 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Cadmium | 1.1 | 2,100 | 7 | Below RSL |
| Chromium | 19.1 | | 12,000 | Below RSL |
| Cobalt | 18.8 | 420 | 2.3 | |
| Copper | 53.2 | | 310 | Below RSL |
| Iron | 34,300 | | 5,500 | |
| Lead | 91 | | 40 | |
| Manganese | 1,130 | | 180 | |
| Mercury | 0.16 | | 2.3 | Below RSL |
| Nickel | 20.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.75 | | 39 | Below RSL |
| Silver | 0.1 | | 39 | Below RSL |
| Thallium | 1.5 | | 0.078 | |
| Vanadium | 64.4 | | 39 | |
| Zinc | 150 | | 2,300 | Below RSL |
| 160 | | | | |
| Aluminum | 13,700 | | 7,700 | |
| Antimony | 0.96 | | 3.1 | Below RSL |
| Arsenic | 85 | 0.67 | 3.4 | |
| Barium | 912 | | 1,500 | Below RSL |
| Beryllium | 0.35 | 1,600 | 16 | Below RSL |
| Cadmium | 2.9 | 2,100 | 7 | Below RSL |
| Chromium | 54.5 | | 12,000 | Below RSL |
| Cobalt | 17.4 | 420 | 2.3 | |
| Copper | 179 | | 310 | Below RSL |
| Cyanide | 1.3 | | 2.1 | Below RSL |
| Iron | 166,000 | | 5,500 | |
| Lead | 147 | | 40 | |
| Manganese | 5,990 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 31.9 | 15,000 | 150 | Below RSL |
| Selenium | 1.2 | | 39 | Below RSL |
| Silver | 0.39 | | 39 | Below RSL |
| Thallium | 3 | | 0.078 | |
| Vanadium | 77.5 | | 39 | |
| Zinc | 309 | | 2,300 | Below RSL |
| 161 | | | | |
| Aluminum | 18,500 | | 7,700 | |
| Antimony | 0.98 | | 3.1 | Below RSL |
| Arsenic | 24.2 | 0.67 | 3.4 | |
| Barium | 275 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Cadmium | 1.7 | 2,100 | 7 | Below RSL |
| Chromium | 25.1 | | 12,000 | Below RSL |
| Cobalt | 17.2 | 420 | 2.3 | |
| Copper | 105 | | 310 | Below RSL |
| Iron | 23,700 | | 5,500 | |
| Lead | 50.2 | | 40 | |
| Manganese | 1,420 | | 180 | |
| Mercury | 0.18 | | 2.3 | Below RSL |
| Nickel | 34.9 | 15,000 | 150 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Selenium | 0.88 | | 39 | Below RSL |
| Silver | 0.24 | | 39 | Below RSL |
| Thallium | 2.2 | | 0.078 | |
| Vanadium | 42.1 | | 39 | |
| Zinc | 220 | | 2,300 | Below RSL |
| 162 | | | | |
| Aluminum | 16,900 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |
| Arsenic | 176 | 0.67 | 3.4 | |
| Barium | 198 | | 1,500 | Below RSL |
| Cadmium | 3.4 | 2,100 | 7 | Below RSL |
| Chromium | 70.6 | | 12,000 | Below RSL |
| Cobalt | 21.6 | 420 | 2.3 | |
| Copper | 640 | | 310 | |
| Iron | 28,200 | | 5,500 | |
| Lead | 1,350 | | 40 | |
| Manganese | 1,220 | | 180 | |
| Mercury | 0.8 | | 2.3 | Below RSL |
| Nickel | 47.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.55 | | 39 | Below RSL |
| Silver | 2.2 | | 39 | Below RSL |
| Thallium | 2.8 | | 0.078 | |
| Vanadium | 65.3 | | 39 | |
| Zinc | 487 | | 2,300 | Below RSL |
| 163 | | | | |
| Aluminum | 15,100 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |
| Arsenic | 35.5 | 0.67 | 3.4 | |
| Barium | 276 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 3 | 2,100 | 7 | Below RSL |
| Chromium | 29.8 | | 12,000 | Below RSL |
| Cobalt | 13.3 | 420 | 2.3 | |
| Copper | 233 | | 310 | Below RSL |
| Iron | 26,000 | | 5,500 | |
| Lead | 373 | | 40 | |
| Manganese | 1,630 | | 180 | |
| Mercury | 0.22 | | 2.3 | Below RSL |
| Nickel | 30.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.45 | | 39 | Below RSL |
| Silver | 0.62 | | 39 | Below RSL |
| Thallium | 2.8 | | 0.078 | |
| Vanadium | 50 | | 39 | |
| Zinc | 396 | | 2,300 | Below RSL |
| 164 | | | | |
| Aluminum | 14200 | | 7700 | |
| Antimony | 29.1 | | 3.1 | |
| Arsenic | 191 | 0.67 | 3.4 | |
| Barium | 225 | | 1500 | Below RSL |
| Beryllium | 0.66 | 1600 | 16 | Below RSL |
| Cadmium | 13.1 | 2100 | 7 | |
| Chromium | 29.7 | | 12,000 | Below RSL |
| Cobalt | 10.8 | 420 | 2.3 | |
| Copper | 169 | | 310 | Below RSL |
| Iron | 33500 | | 5500 | |
| Lead | 1120 | | 40 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Manganese | 694 | | 180 | |
| Mercury | 2 | | 2.3 | Below RSL |
| Nickel | 22.3 | 15000 | 150 | Below RSL |
| Selenium | 4.2 | | 39 | Below RSL |
| Silver | 2.4 | | 39 | Below RSL |
| Vanadium | 54.5 | | 39 | |
| Zinc | 3700 | | 2300 | |
| 165 and 60J | | | | |
| Aluminum | 13,800 | | 7,700 | |
| Antimony | 1.2 | | 3.1 | Below RSL |
| Arsenic | 76.1 | 0.67 | 3.4 | |
| Barium | 358 | | 1,500 | Below RSL |
| Beryllium | 0.67 | 1,600 | 16 | Below RSL |
| Cadmium | 3.2 | 2,100 | 7 | Below RSL |
| Chromium | 26.7 | | 12,000 | Below RSL |
| Cobalt | 12.7 | 420 | 2.3 | |
| Copper | 229 | | 310 | Below RSL |
| Iron | 25,400 | | 5,500 | |
| Lead | 213 | | 40 | |
| Manganese | 1,350 | | 180 | |
| Mercury | 42.1 | | 2.3 | |
| Nickel | 25.7 | 15,000 | 150 | Below RSL |
| Selenium | 2.6 | | 39 | Below RSL |
| Silver | 1.2 | | 39 | Below RSL |
| Vanadium | 42.6 | | 39 | |
| Zinc | 878 | | 2,300 | Below RSL |
| 166 | | | | |
| Aluminum | 23,200 | | 7,700 | |
| Antimony | 0.77 | | 3.1 | Below RSL |
| Arsenic | 43.5 | 0.67 | 3.4 | |
| Barium | 260 | | 1,500 | Below RSL |
| Beryllium | 0.78 | 1,600 | 16 | Below RSL |
| Cadmium | 0.63 | 2,100 | 7 | Below RSL |
| Chromium | 22 | | 12,000 | Below RSL |
| Cobalt | 14.6 | 420 | 2.3 | |
| Copper | 51.2 | | 310 | Below RSL |
| Iron | 31,900 | | 5,500 | |
| Lead | 36.3 | | 40 | Below RSL |
| Manganese | 767 | | 180 | |
| Mercury | 0.15 | | 2.3 | Below RSL |
| Nickel | 19.1 | 15,000 | 150 | Below RSL |
| Silver | 0.21 | | 39 | Below RSL |
| Vanadium | 49.2 | | 39 | |
| Zinc | 153 | | 2,300 | Below RSL |
| 167A | | | | |
| Aluminum | 36,600 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |
| Arsenic | 388 | 0.67 | 3.4 | |
| Barium | 1,000 | | 1,500 | Below RSL |
| Beryllium | 1.2 | 1,600 | 16 | Below RSL |
| Cadmium | 3.7 | 2,100 | 7 | Below RSL |
| Chromium | 75.1 | | 12,000 | Below RSL |
| Cobalt | 36.7 | 420 | 2.3 | |
| Copper | 418 | | 310 | |
| Iron | 98,600 | | 5,500 | |
| Lead | 242 | | 40 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Manganese | 3,440 | | 180 | |
| Mercury | 0.14 | | 2.3 | Below RSL |
| Nickel | 167 | 15,000 | 150 | |
| Silver | 1.1 | | 39 | Below RSL |
| Vanadium | 331 | | 39 | |
| Zinc | 388 | | 2,300 | Below RSL |
| 167B | | | | |
| Aluminum | 33,500 | | 7,700 | |
| Antimony | 1.2 | | 3.1 | Below RSL |
| Arsenic | 100 | 0.67 | 3.4 | |
| Barium | 131 | | 1,500 | Below RSL |
| Beryllium | 0.48 | 1,600 | 16 | Below RSL |
| Cadmium | 0.62 | 2,100 | 7 | Below RSL |
| Chromium | 140 | | 12,000 | Below RSL |
| Cobalt | 33.8 | 420 | 2.3 | |
| Copper | 79.1 | | 310 | Below RSL |
| Iron | 117,000 | | 5,500 | |
| Lead | 42.3 | | 40 | |
| Manganese | 6,180 | | 180 | |
| Mercury | 0.059 | | 2.3 | Below RSL |
| Nickel | 71.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.59 | | 39 | Below RSL |
| Silver | 0.2 | | 39 | Below RSL |
| Vanadium | 263 | | 39 | |
| Zinc | 255 | | 2,300 | Below RSL |
| 167C | | | | |
| Aluminum | 35,300 | | 7,700 | |
| Antimony | 1.5 | | 3.1 | Below RSL |
| Arsenic | 202 | 0.67 | 3.4 | |
| Barium | 183 | | 1,500 | Below RSL |
| Beryllium | 0.52 | 1,600 | 16 | Below RSL |
| Cadmium | 2.1 | 2,100 | 7 | Below RSL |
| Chromium | 288 | | 12,000 | Below RSL |
| Cobalt | 42.9 | 420 | 2.3 | |
| Copper | 262 | | 310 | Below RSL |
| Iron | 113,000 | | 5,500 | |
| Lead | 119 | | 40 | |
| Manganese | 3,300 | | 180 | |
| Mercury | 0.11 | | 2.3 | Below RSL |
| Nickel | 125 | 15,000 | 150 | Below RSL |
| Selenium | 0.69 | | 39 | Below RSL |
| Silver | 0.65 | | 39 | Below RSL |
| Vanadium | 245 | | 39 | |
| Zinc | 236 | | 2,300 | Below RSL |
| 168 | | | | |
| Aluminum | 14,000 | | 7,700 | |
| Antimony | 1.3 | | 3.1 | Below RSL |
| Arsenic | 32.1 | 0.67 | 3.4 | |
| Barium | 212 | | 1,500 | Below RSL |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Cadmium | 2 | 2,100 | 7 | Below RSL |
| Chromium | 41.1 | | 12,000 | Below RSL |
| Cobalt | 16.9 | 420 | 2.3 | |
| Copper | 191 | | 310 | Below RSL |
| Iron | 21,300 | | 5,500 | |
| Lead | 262 | | 40 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal County, Arizona | | | | |
|---|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Manganese | 615 | 15,000 | 180 | |
| Mercury | 0.24 | | 2.3 | Below RSL |
| Nickel | 34.8 | | 150 | Below RSL |
| Selenium | 0.65 | | 39 | Below RSL |
| Silver | 0.61 | | 39 | Below RSL |
| Vanadium | 48.6 | | 39 | |
| Zinc | 411 | | 2,300 | Below RSL |
| 169 | | | | |
| Aluminum | 16,700 | | 7,700 | |
| Antimony | 0.8 | | 3.1 | Below RSL |
| Arsenic | 25.7 | 0.67 | 3.4 | |
| Barium | 251 | | 1,500 | Below RSL |
| Beryllium | 0.54 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 28.7 | | 12,000 | Below RSL |
| Cobalt | 11 | 420 | 2.3 | |
| Copper | 200 | | 310 | Below RSL |
| Cyanide | 0.64 | | 2.1 | Below RSL |
| Iron | 22,100 | | 5,500 | |
| Lead | 135 | | 40 | |
| Manganese | 1,060 | | 180 | |
| Mercury | 0.68 | | 2.3 | Below RSL |
| Nickel | 32.7 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Silver | 0.29 | | 39 | Below RSL |
| Thallium | 2.7 | | 0.078 | |
| Vanadium | 41.9 | | 39 | |
| Zinc | 200 | | 2,300 | Below RSL |
| 170A | | | | |
| Aluminum | 19,400 | | 7,700 | |
| Arsenic | 44.9 | 0.67 | 3.4 | |
| Barium | 136 | | 1,500 | Below RSL |
| Beryllium | 0.46 | 1,600 | 16 | Below RSL |
| Cadmium | 0.86 | 2,100 | 7 | Below RSL |
| Chromium | 20.5 | | 12,000 | Below RSL |
| Cobalt | 13 | 420 | 2.3 | |
| Copper | 37.6 | | 310 | Below RSL |
| Iron | 42,000 | | 5,500 | |
| Lead | 25.1 | | 40 | Below RSL |
| Manganese | 1,020 | | 180 | |
| Mercury | 0.02 | | 2.3 | Below RSL |
| Nickel | 14.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.35 | | 39 | Below RSL |
| Vanadium | 60.1 | | 39 | |
| Zinc | 118 | | 2,300 | Below RSL |
| 170B | | | | |
| Aluminum | 28,500 | | 7,700 | |
| Antimony | 0.72 | | 3.1 | Below RSL |
| Arsenic | 34.1 | 0.67 | 3.4 | |
| Barium | 259 | | 1,500 | Below RSL |
| Beryllium | 0.63 | 1,600 | 16 | Below RSL |
| Cadmium | 1.2 | 2,100 | 7 | Below RSL |
| Chromium | 33.8 | | 12,000 | Below RSL |
| Cobalt | 17.4 | 420 | 2.3 | |
| Copper | 135 | | 310 | Below RSL |
| Iron | 42,200 | | 5,500 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Lead | 41.5 | 15,000 | 40 | |
| Manganese | 1,520 | | 180 | |
| Mercury | 0.093 | | 2.3 | Below RSL |
| Nickel | 38.6 | | 150 | Below RSL |
| Selenium | 0.55 | | 39 | Below RSL |
| Silver | 0.14 | | 39 | Below RSL |
| Thallium | 4.3 | | 0.078 | |
| Vanadium | 84.1 | | 39 | |
| Zinc | 130 | | 2,300 | Below RSL |
| 171 and O04 | | | | |
| Aluminum | 13,200 | | 7,700 | |
| Antimony | 0.98 | | 3.1 | Below RSL |
| Arsenic | 97.6 | 0.67 | 3.4 | |
| Barium | 136 | | 1,500 | Below RSL |
| Beryllium | 0.39 | 1,600 | 16 | Below RSL |
| Cadmium | 1.1 | 2,100 | 7 | Below RSL |
| Chromium | 15.9 | | 12,000 | Below RSL |
| Cobalt | 12.9 | 420 | 2.3 | |
| Copper | 90.1 | | 310 | Below RSL |
| Cyanide | 0.34 | | 2.1 | Below RSL |
| Iron | 27,500 | | 5,500 | |
| Lead | 110 | | 40 | |
| Manganese | 623 | | 180 | |
| Mercury | 0.56 | | 2.3 | Below RSL |
| Nickel | 14 | 15,000 | 150 | Below RSL |
| Selenium | 0.87 | | 39 | Below RSL |
| Silver | 0.56 | | 39 | Below RSL |
| Vanadium | 43.1 | | 39 | |
| Zinc | 554 | | 2,300 | Below RSL |
| 172 | | | | |
| Aluminum | 14,200 | | 7,700 | |
| Antimony | 0.73 | | 3.1 | Below RSL |
| Arsenic | 13.9 | 0.67 | 3.4 | |
| Barium | 295 | | 1,500 | Below RSL |
| Beryllium | 0.48 | 1,600 | 16 | Below RSL |
| Cadmium | 0.33 | 2,100 | 7 | Below RSL |
| Chromium | 19.1 | | 12,000 | Below RSL |
| Cobalt | 14.4 | 420 | 2.3 | |
| Copper | 42.9 | | 310 | Below RSL |
| Cyanide | 0.49 | | 2.1 | Below RSL |
| Iron | 25,300 | | 5,500 | |
| Lead | 11.8 | | 40 | Below RSL |
| Manganese | 1,280 | | 180 | |
| Mercury | 0.053 | | 2.3 | Below RSL |
| Nickel | 26.7 | 15,000 | 150 | Below RSL |
| Silver | 0.6 | | 39 | Below RSL |
| Vanadium | 46.5 | | 39 | |
| Zinc | 165 | | 2,300 | Below RSL |
| 173 | | | | |
| Aluminum | 25,400 | | 7,700 | |
| Antimony | 0.82 | | 3.1 | Below RSL |
| Arsenic | 27.1 | 0.67 | 3.4 | |
| Barium | 309 | | 1,500 | Below RSL |
| Beryllium | 0.77 | 1,600 | 16 | Below RSL |
| Cadmium | 0.94 | 2,100 | 7 | Below RSL |
| Chromium | 44.9 | | 12,000 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cobalt | 20.2 | 420 | 2.3 | |
| Copper | 155 | | 310 | Below RSL |
| Iron | 42,800 | | 5,500 | |
| Lead | 88.5 | | 40 | |
| Manganese | 2,100 | | 180 | |
| Mercury | 0.1 | | 2.3 | Below RSL |
| Nickel | 42.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.67 | | 39 | Below RSL |
| Silver | 0.27 | | 39 | Below RSL |
| Vanadium | 75.7 | | 39 | |
| Zinc | 255 | | 2,300 | Below RSL |
| 174 | | | | |
| Aluminum | 22,500 | | 7,700 | |
| Antimony | 1 | | 3.1 | Below RSL |
| Arsenic | 55.1 | 0.67 | 3.4 | |
| Barium | 333 | | 1,500 | Below RSL |
| Beryllium | 0.74 | 1,600 | 16 | Below RSL |
| Cadmium | 1.8 | 2,100 | 7 | Below RSL |
| Chromium | 40.5 | | 12,000 | Below RSL |
| Cobalt | 18.7 | 420 | 2.3 | |
| Copper | 330 | | 310 | |
| Cyanide | 0.61 | | 2.1 | Below RSL |
| Iron | 35,200 | | 5,500 | |
| Lead | 84.9 | | 40 | |
| Manganese | 1,950 | | 180 | |
| Mercury | 0.15 | | 2.3 | Below RSL |
| Nickel | 37.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.99 | | 39 | Below RSL |
| Silver | 0.96 | | 39 | Below RSL |
| Vanadium | 71.5 | | 39 | |
| Zinc | 611 | | 2,300 | Below RSL |
| 175 | | | | |
| Aluminum | 18,600 | | 7,700 | |
| Antimony | 1.3 | | 3.1 | Below RSL |
| Arsenic | 52.6 | 0.67 | 3.4 | |
| Barium | 193 | | 1,500 | Below RSL |
| Beryllium | 0.54 | 1,600 | 16 | Below RSL |
| Cadmium | 0.77 | 2,100 | 7 | Below RSL |
| Chromium | 19.1 | | 12,000 | Below RSL |
| Cobalt | 15.3 | 420 | 2.3 | |
| Copper | 99.5575 | | 310 | Below RSL |
| Iron | 30,500 | | 5,500 | |
| Lead | 52 | | 40 | |
| Manganese | 827 | | 180 | |
| Mercury | 0.18 | | 2.3 | Below RSL |
| Nickel | 19 | 15,000 | 150 | Below RSL |
| Silver | 0.37 | | 39 | Below RSL |
| Vanadium | 52.9 | | 39 | |
| Zinc | 226 | | 2,300 | Below RSL |
| 176 | | | | |
| Aluminum | 15,100 | | 7,700 | |
| Antimony | 1.5 | | 3.1 | Below RSL |
| Arsenic | 106 | 0.67 | 3.4 | |
| Barium | 361 | | 1,500 | Below RSL |
| Beryllium | 0.49 | 1,600 | 16 | Below RSL |
| Cadmium | 3.2 | 2,100 | 7 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 17.4 | | 12,000 | Below RSL |
| Cobalt | 14.2 | 420 | 2.3 | |
| Copper | 464 | | 310 | |
| Cyanide | 0.36 | | 2.1 | Below RSL |
| Iron | 26,800 | | 5,500 | |
| Lead | 760 | | 40 | |
| Manganese | 798 | | 180 | |
| Mercury | 1.6 | | 2.3 | Below RSL |
| Nickel | 16.5 | 15,000 | 150 | Below RSL |
| Selenium | 2.2 | | 39 | Below RSL |
| Silver | 1.9 | | 39 | Below RSL |
| Vanadium | 45.4 | | 39 | |
| Zinc | 2,550 | | 2,300 | |
| 177 | | | | |
| Aluminum | 10,300 | | 7,700 | |
| Antimony | 0.79 | | 3.1 | Below RSL |
| Arsenic | 22.3 | 0.67 | 3.4 | |
| Barium | 176 | | 1,500 | Below RSL |
| Beryllium | 0.5 | 1,600 | 16 | Below RSL |
| Cadmium | 1.5 | 2,100 | 7 | Below RSL |
| Chromium | 20 | | 12,000 | Below RSL |
| Cobalt | 9.3 | 420 | 2.3 | |
| Copper | 212 | | 310 | Below RSL |
| Cyanide | 2.5 | | 2.1 | |
| Iron | 19,100 | | 5,500 | |
| Lead | 228 | | 40 | |
| Manganese | 550 | | 180 | |
| Mercury | 0.47 | | 2.3 | Below RSL |
| Nickel | 19.7 | 15,000 | 150 | Below RSL |
| Selenium | 3.6 | | 39 | Below RSL |
| Silver | 1.1 | | 39 | Below RSL |
| Thallium | 2.5 | | 0.078 | |
| Vanadium | 31.6 | | 39 | Below RSL |
| Zinc | 348 | | 2,300 | Below RSL |
| 178 | | | | |
| Aluminum | 19,600 | | 7,700 | |
| Antimony | 1.6 | | 3.1 | Below RSL |
| Arsenic | 79.1 | 0.67 | 3.4 | |
| Barium | 213 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 2 | 2,100 | 7 | Below RSL |
| Chromium | 24 | | 12,000 | Below RSL |
| Cobalt | 14.1 | 420 | 2.3 | |
| Copper | 125 | | 310 | Below RSL |
| Cyanide | 0.56 | | 2.1 | Below RSL |
| Iron | 37,000 | | 5,500 | |
| Lead | 234 | | 40 | |
| Manganese | 754 | | 180 | |
| Mercury | 0.39 | | 2.3 | Below RSL |
| Nickel | 21.3 | 15,000 | 150 | Below RSL |
| Selenium | 3.4 | | 39 | Below RSL |
| Silver | 1 | | 39 | Below RSL |
| Vanadium | 49.1 | | 39 | |
| Zinc | 574 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 179 | | | | |
| Aluminum | 20,300 | | 7,700 | |
| Antimony | 0.76 | | 3.1 | Below RSL |
| Arsenic | 39.1 | 0.67 | 3.4 | |
| Barium | 260 | | 1,500 | Below RSL |
| Beryllium | 0.78 | 1,600 | 16 | Below RSL |
| Cadmium | 1.7 | 2,100 | 7 | Below RSL |
| Chromium | 36.5 | | 12,000 | Below RSL |
| Cobalt | 13 | 420 | 2.3 | |
| Copper | 136 | | 310 | Below RSL |
| Cyanide | 0.21 | | 2.1 | Below RSL |
| Iron | 29,500 | | 5,500 | |
| Lead | 121 | | 40 | |
| Manganese | 986 | | 180 | |
| Mercury | 0.21 | | 2.3 | Below RSL |
| Nickel | 34.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.61 | | 39 | Below RSL |
| Silver | 0.67 | | 39 | Below RSL |
| Vanadium | 43.9 | | 39 | |
| Zinc | 342 | | 2,300 | Below RSL |
| 180 | | | | |
| Aluminum | 13,200 | | 7,700 | |
| Antimony | 1.9 | | 3.1 | Below RSL |
| Arsenic | 241 | 0.67 | 3.4 | |
| Barium | 186 | | 1,500 | Below RSL |
| Beryllium | 0.56 | 1,600 | 16 | Below RSL |
| Cadmium | 2.7 | 2,100 | 7 | Below RSL |
| Chromium | 25.7 | | 12,000 | Below RSL |
| Cobalt | 10.6 | 420 | 2.3 | |
| Copper | 357 | | 310 | |
| Cyanide | 0.82 | | 2.1 | Below RSL |
| Iron | 26,900 | | 5,500 | |
| Lead | 368 | | 40 | |
| Manganese | 597 | | 180 | |
| Mercury | 1.7 | | 2.3 | Below RSL |
| Nickel | 16.8 | 15,000 | 150 | Below RSL |
| Selenium | 3.1 | | 39 | Below RSL |
| Silver | 2.7 | | 39 | Below RSL |
| Vanadium | 40 | | 39 | |
| Zinc | 914 | | 2,300 | Below RSL |
| 181 | | | | |
| Aluminum | 18,700 | | 7,700 | |
| Antimony | 3.4 | | 3.1 | |
| Arsenic | 300 | 0.67 | 3.4 | |
| Barium | 257 | | 1,500 | Below RSL |
| Beryllium | 0.51 | 1,600 | 16 | Below RSL |
| Cadmium | 7.4 | 2,100 | 7 | |
| Chromium | 36.7 | | 12,000 | Below RSL |
| Cobalt | 11.9 | 420 | 2.3 | |
| Copper | 298 | | 310 | Below RSL |
| Cyanide | 3.3 | | 2.1 | |
| Iron | 54,500 | | 5,500 | |
| Lead | 1,140 | | 40 | |
| Manganese | 886 | | 180 | |
| Mercury | 1.2 | | 2.3 | Below RSL |
| Nickel | 30.6 | 15,000 | 150 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Selenium | 2 | | 39 | Below RSL |
| Silver | 2.3 | | 39 | Below RSL |
| Vanadium | 50 | | 39 | |
| Zinc | 3,380 | | 2,300 | |
| 182 | | | | |
| Aluminum | 14,000 | | 7,700 | |
| Antimony | 2.1 | | 3.1 | Below RSL |
| Arsenic | 84 | 0.67 | 3.4 | |
| Barium | 635 | | 1,500 | Below RSL |
| Beryllium | 0.57 | 1,600 | 16 | Below RSL |
| Cadmium | 12.2 | 2,100 | 7 | |
| Chromium | 180 | | 12,000 | Below RSL |
| Cobalt | 18.1 | 420 | 2.3 | |
| Copper | 850 | | 310 | |
| Cyanide | 0.29 | | 2.1 | Below RSL |
| Iron | 50,600 | | 5,500 | |
| Lead | 1,250 | | 40 | |
| Manganese | 731 | | 180 | |
| Mercury | 0.72 | | 2.3 | Below RSL |
| Nickel | 29.6 | 15,000 | 150 | Below RSL |
| Selenium | 1.6 | | 39 | Below RSL |
| Silver | 2.3 | | 39 | Below RSL |
| Vanadium | 48.2 | | 39 | |
| Zinc | 1,270 | | 2,300 | Below RSL |
| 183 | | | | |
| Aluminum | 25,200 | | 7,700 | |
| Antimony | 1.1 | | 3.1 | Below RSL |
| Arsenic | 65 | 0.67 | 3.4 | |
| Barium | 254 | | 1,500 | Below RSL |
| Beryllium | 0.81 | 1,600 | 16 | Below RSL |
| Cadmium | 0.81 | 2,100 | 7 | Below RSL |
| Chromium | 71.5 | | 12,000 | Below RSL |
| Cobalt | 27.1 | 420 | 2.3 | |
| Copper | 130 | | 310 | Below RSL |
| Cyanide | 4.6 | | 2.1 | |
| Iron | 70,100 | | 5,500 | |
| Lead | 52.4 | | 40 | |
| Manganese | 4,120 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 43.5 | 15,000 | 150 | Below RSL |
| Selenium | 3.7 | | 39 | Below RSL |
| Silver | 1 | | 39 | Below RSL |
| Thallium | 2.6 | | 0.078 | |
| Vanadium | 147 | | 39 | |
| Zinc | 114 | | 2,300 | Below RSL |
| 184 | | | | |
| Aluminum | 12,700 | | 7,700 | |
| Antimony | 0.72 | | 3.1 | Below RSL |
| Arsenic | 14.7 | 0.67 | 3.4 | |
| Barium | 190 | | 1,500 | Below RSL |
| Beryllium | 0.57 | 1,600 | 16 | Below RSL |
| Cadmium | 0.5 | 2,100 | 7 | Below RSL |
| Chromium | 18.2 | | 12,000 | Below RSL |
| Cobalt | 12.2 | 420 | 2.3 | |
| Copper | 433 | | 310 | |
| Cyanide | 2.7 | | 2.1 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 18,800 | | 5,500 | |
| Lead | 48 | | 40 | |
| Manganese | 635 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 21.5 | 15,000 | 150 | Below RSL |
| Selenium | 3.7 | | 39 | Below RSL |
| Silver | 1.1 | | 39 | Below RSL |
| Thallium | 2.6 | | 0.078 | |
| Vanadium | 36.2 | | 39 | Below RSL |
| Zinc | 130 | | 2,300 | Below RSL |
| 185 | | | | |
| Aluminum | 18,900 | | 7,700 | |
| Antimony | 0.96 | | 3.1 | Below RSL |
| Arsenic | 121 | 0.67 | 3.4 | |
| Barium | 224 | | 1,500 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |
| Cadmium | 1.2 | 2,100 | 7 | Below RSL |
| Chromium | 68.6 | | 12,000 | Below RSL |
| Cobalt | 38.3 | 420 | 2.3 | |
| Copper | 109 | | 310 | Below RSL |
| Iron | 34,600 | | 5,500 | |
| Lead | 98.5 | | 40 | |
| Manganese | 767 | | 180 | |
| Mercury | 0.55 | | 2.3 | Below RSL |
| Nickel | 71.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.59 | | 39 | Below RSL |
| Silver | 0.46 | | 39 | Below RSL |
| Vanadium | 78.6 | | 39 | |
| Zinc | 372 | | 2,300 | Below RSL |
| 186 | | | | |
| Aluminum | 18,500 | | 7,700 | |
| Antimony | 0.69 | | 3.1 | Below RSL |
| Arsenic | 16.9 | 0.67 | 3.4 | |
| Barium | 273 | | 1,500 | Below RSL |
| Beryllium | 0.73 | 1,600 | 16 | Below RSL |
| Cadmium | 0.73 | 2,100 | 7 | Below RSL |
| Chromium | 22.9 | | 12,000 | Below RSL |
| Cobalt | 13.2 | 420 | 2.3 | |
| Copper | 107 | | 310 | Below RSL |
| Cyanide | 0.5 | | 2.1 | Below RSL |
| Iron | 23,600 | | 5,500 | |
| Lead | 83.5 | | 40 | |
| Manganese | 711 | | 180 | |
| Mercury | 0.11 | | 2.3 | Below RSL |
| Nickel | 31.9 | 15,000 | 150 | Below RSL |
| Silver | 0.28 | | 39 | Below RSL |
| Vanadium | 40.4 | | 39 | |
| Zinc | 173 | | 2,300 | Below RSL |
| 187 | | | | |
| Aluminum | 18,200 | | 7,700 | |
| Arsenic | 36.3 | 0.67 | 3.4 | |
| Barium | 377 | | 1,500 | Below RSL |
| Beryllium | 1.2 | 1,600 | 16 | Below RSL |
| Cadmium | 2 | 2,100 | 7 | Below RSL |
| Chromium | 39.5 | | 12,000 | Below RSL |
| Cobalt | 58.8 | 420 | 2.3 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal County, Arizona | | | | | |
|---|-----------------------|----------------------|-------------------|-----------|--|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL | |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | | |
| Copper | 168 | 15,000 | 310 | Below RSL | |
| Iron | 32,500 | | 5,500 | | |
| Lead | 56.1 | | 40 | | |
| Manganese | 1,840 | | 180 | | |
| Mercury | 0.096 | | 2.3 | Below RSL | |
| Nickel | 44.5 | | 150 | Below RSL | |
| Selenium | 0.24 | | 39 | Below RSL | |
| Thallium | 0.48 | | 0.078 | | |
| Vanadium | 64.3 | | 39 | | |
| Zinc | 166 | | 2,300 | Below RSL | |
| 188 | | | | | |
| Aluminum | 15,800 | 15,000 | 7,700 | | |
| Antimony | 2 | | 3.1 | Below RSL | |
| Arsenic | 72.6 | | 0.67 | 3.4 | |
| Barium | 203 | | 1,500 | Below RSL | |
| Beryllium | 0.6 | | 16 | Below RSL | |
| Cadmium | 3.6 | | 7 | Below RSL | |
| Chromium | 20.1 | | 12,000 | Below RSL | |
| Cobalt | 12.5 | | 420 | 2.3 | |
| Copper | 585 | | 310 | | |
| Cyanide | 0.24 | 2.1 | Below RSL | | |
| Iron | 24,900 | | 5,500 | | |
| Lead | 479 | | 40 | | |
| Manganese | 618 | | 180 | | |
| Mercury | 0.56 | | 2.3 | Below RSL | |
| Nickel | 19.8 | 150 | Below RSL | | |
| Selenium | 2.1 | 39 | Below RSL | | |
| Silver | 3.3 | 39 | Below RSL | | |
| Vanadium | 38.1 | 39 | Below RSL | | |
| Zinc | 782 | | 2,300 | Below RSL | |
| 189 | | | | | |
| Aluminum | 19,800 | 15,000 | 7,700 | | |
| Antimony | 0.91 | | 3.1 | Below RSL | |
| Arsenic | 32.8 | | 0.67 | 3.4 | |
| Barium | 230 | | 1,500 | Below RSL | |
| Beryllium | 0.74 | | 16 | Below RSL | |
| Cadmium | 1.5 | | 7 | Below RSL | |
| Chromium | 36.9 | | 12,000 | Below RSL | |
| Cobalt | 11.8 | | 420 | 2.3 | |
| Copper | 491 | | 310 | | |
| Cyanide | 0.26 | 2.1 | Below RSL | | |
| Iron | 24,700 | | 5,500 | | |
| Lead | 101 | | 40 | | |
| Manganese | 649 | | 180 | | |
| Mercury | 0.17 | | 2.3 | Below RSL | |
| Nickel | 21.3 | 150 | Below RSL | | |
| Selenium | 0.64 | 39 | Below RSL | | |
| Silver | 0.52 | 39 | Below RSL | | |
| Vanadium | 42.7 | 39 | | | |
| Zinc | 323 | | 2,300 | Below RSL | |
| 190 | | | | | |
| Aluminum | 19,400 | 0.67 | 7,700 | | |
| Antimony | 1.2 | | 3.1 | Below RSL | |
| Arsenic | 71.7 | | 3.4 | | |
| Barium | 450 | | 1,500 | Below RSL | |
| Beryllium | 0.82 | | 16 | Below RSL | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Hamboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Cadmium | 4.4 | 2,100 | 7 | Below RSL |
| Chromium | 30.5 | | 12,000 | Below RSL |
| Cobalt | 16.7 | 420 | 2.3 | |
| Copper | 307 | | 310 | Below RSL |
| Cyanide | 0.19 | | 2.1 | Below RSL |
| Iron | 27,100 | | 5,500 | |
| Lead | 228 | | 40 | |
| Manganese | 916 | | 180 | |
| Mercury | 0.97 | | 2.3 | Below RSL |
| Nickel | 61.3 | 15,000 | 150 | Below RSL |
| Selenium | 1.3 | | 39 | Below RSL |
| Silver | 1.7 | | 39 | Below RSL |
| Vanadium | 49.9 | | 39 | |
| Zinc | 1,330 | | 2,300 | Below RSL |
| 1902 | | | | |
| Aluminum | 34,800 | | 7,700 | |
| Arsenic | 143 | 0.67 | 3.4 | |
| Barium | 313 | | 1,500 | Below RSL |
| Beryllium | 0.59 | 1,600 | 16 | Below RSL |
| Cadmium | 0.15 | 2,100 | 7 | Below RSL |
| Chromium | 82 | | 12,000 | Below RSL |
| Cobalt | 26.4 | 420 | 2.3 | |
| Copper | 70.1 | | 310 | Below RSL |
| Iron | 92,300 | | 5,500 | |
| Lead | 25.1 | | 40 | Below RSL |
| Manganese | 1,660 | | 180 | |
| Mercury | 0.052 | | 2.3 | Below RSL |
| Nickel | 45.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.98 | | 39 | Below RSL |
| Vanadium | 185 | | 39 | |
| Zinc | 115 | | 2,300 | Below RSL |
| 1903 | | | | |
| Aluminum | 29,800 | | 7,700 | |
| Antimony | 2 | | 3.1 | Below RSL |
| Arsenic | 571 | 0.67 | 3.4 | |
| Barium | 261 | | 1,500 | Below RSL |
| Beryllium | 0.73 | 1,600 | 16 | Below RSL |
| Cadmium | 0.21 | 2,100 | 7 | Below RSL |
| Chromium | 115 | | 12,000 | Below RSL |
| Cobalt | 38.4 | 420 | 2.3 | |
| Copper | 88.8 | | 310 | Below RSL |
| Iron | 144,000 | | 5,500 | |
| Lead | 34.3 | | 40 | Below RSL |
| Manganese | 2,990 | | 180 | |
| Mercury | 0.052 | | 2.3 | Below RSL |
| Nickel | 69.8 | 15,000 | 150 | Below RSL |
| Selenium | 1 | | 39 | Below RSL |
| Thallium | 0.24 | | 0.078 | |
| Vanadium | 234 | | 39 | |
| Zinc | 132 | | 2,300 | Below RSL |
| 1906 | | | | |
| Aluminum | 35,400 | | 7,700 | |
| Arsenic | 218 | 0.67 | 3.4 | |
| Barium | 385 | | 1,500 | Below RSL |
| Beryllium | 0.88 | 1,600 | 16 | Below RSL |
| Cadmium | 0.68 | 2,100 | 7 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 109 | | 12,000 | Below RSL |
| Cobalt | 26.9 | 420 | 2.3 | |
| Copper | 112 | | 310 | Below RSL |
| Iron | 87,700 | | 5,500 | |
| Lead | 39.1 | | 40 | Below RSL |
| Manganese | 2,210 | | 180 | |
| Mercury | 0.049 | | 2.3 | Below RSL |
| Nickel | 56.6 | 15,000 | 150 | Below RSL |
| Selenium | 1 | | 39 | Below RSL |
| Vanadium | 160 | | 39 | |
| Zinc | 127 | | 2,300 | Below RSL |
| 1907 | | | | |
| Aluminum | 20,900 | | 7,700 | |
| Arsenic | 110 | 0.67 | 3.4 | |
| Barium | 353 | | 1,500 | Below RSL |
| Chromium | 36.2 | | 12,000 | Below RSL |
| Cobalt | 35.9 | 420 | 2.3 | |
| Copper | 76.9 | | 310 | Below RSL |
| Iron | 180,000 | | 5,500 | |
| Lead | 57.6 | | 40 | |
| Manganese | 15,200 | | 180 | |
| Mercury | 0.036 | | 2.3 | Below RSL |
| Nickel | 34.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.73 | | 39 | Below RSL |
| Vanadium | 88.2 | | 39 | |
| Zinc | 217 | | 2,300 | Below RSL |
| 1908 | | | | |
| Aluminum | 38,400 | | 7,700 | |
| Antimony | 1.6 | | 3.1 | Below RSL |
| Arsenic | 169 | 0.67 | 3.4 | |
| Barium | 85.6 | | 1,500 | Below RSL |
| Chromium | 100 | | 12,000 | Below RSL |
| Cobalt | 45.8 | 420 | 2.3 | |
| Copper | 158 | | 310 | Below RSL |
| Iron | 87,200 | | 5,500 | |
| Lead | 35.1 | | 40 | Below RSL |
| Manganese | 3,260 | | 180 | |
| Mercury | 0.038 | | 2.3 | Below RSL |
| Nickel | 56.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.57 | | 39 | Below RSL |
| Vanadium | 218 | | 39 | |
| Zinc | 159 | | 2,300 | Below RSL |
| 1909 | | | | |
| Aluminum | 19,600 | | 7,700 | |
| Arsenic | 179 | 0.67 | 3.4 | |
| Barium | 189 | | 1,500 | Below RSL |
| Beryllium | 0.28 | 1,600 | 16 | Below RSL |
| Cadmium | 0.11 | 2,100 | 7 | Below RSL |
| Chromium | 46.9 | | 12,000 | Below RSL |
| Cobalt | 26.8 | 420 | 2.3 | |
| Copper | 65.5 | | 310 | Below RSL |
| Iron | 56,500 | | 5,500 | |
| Lead | 39.1 | | 40 | Below RSL |
| Manganese | 1,690 | | 180 | |
| Mercury | 0.024 | | 2.3 | Below RSL |
| Nickel | 41.4 | 15,000 | 150 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Selenium | 0.66 | | 39 | Below RSL |
| Vanadium | 82.9 | | 39 | |
| Zinc | 116 | | 2,300 | Below RSL |
| 1910 | | | | |
| Aluminum | 17,600 | | 7,700 | |
| Arsenic | 90.5 | 0.67 | 3.4 | |
| Barium | 433 | | 1,500 | Below RSL |
| Beryllium | 0.72 | 1,600 | 16 | Below RSL |
| Chromium | 37.3 | | 12,000 | Below RSL |
| Cobalt | 34.2 | 420 | 2.3 | |
| Copper | 130 | | 310 | Below RSL |
| Iron | 300,000 | | 5,500 | |
| Lead | 52.4 | | 40 | |
| Manganese | 17,500 | | 180 | |
| Mercury | 0.09 | | 2.3 | Below RSL |
| Nickel | 28.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.57 | | 39 | Below RSL |
| Thallium | 0.22 | | 0.078 | |
| Vanadium | 80.6 | | 39 | |
| Zinc | 265 | | 2,300 | Below RSL |
| 1911 | | | | |
| Aluminum | 16,100 | | 7,700 | |
| Arsenic | 227 | 0.67 | 3.4 | |
| Barium | 241 | | 1,500 | Below RSL |
| Chromium | 35.8 | | 12,000 | Below RSL |
| Cobalt | 24 | 420 | 2.3 | |
| Copper | 62.5 | | 310 | Below RSL |
| Iron | 230,000 | | 5,500 | |
| Lead | 39.9 | | 40 | Below RSL |
| Manganese | 12,900 | | 180 | |
| Mercury | 0.036 | | 2.3 | Below RSL |
| Nickel | 32 | 15,000 | 150 | Below RSL |
| Selenium | 0.67 | | 39 | Below RSL |
| Vanadium | 74.5 | | 39 | |
| Zinc | 196 | | 2,300 | Below RSL |
| 1912 | | | | |
| Aluminum | 36,100 | | 7,700 | |
| Arsenic | 208 | 0.67 | 3.4 | |
| Barium | 113 | | 1,500 | Below RSL |
| Beryllium | 0.18 | 1,600 | 16 | Below RSL |
| Chromium | 127 | | 12,000 | Below RSL |
| Cobalt | 21.9 | 420 | 2.3 | |
| Copper | 54.7 | | 310 | Below RSL |
| Iron | 97,600 | | 5,500 | |
| Lead | 33.5 | | 40 | Below RSL |
| Manganese | 2,390 | | 180 | |
| Nickel | 40.2 | 15,000 | 150 | Below RSL |
| Vanadium | 248 | | 39 | |
| Zinc | 178 | | 2,300 | Below RSL |
| 1913 | | | | |
| Aluminum | 27,500 | | 7,700 | |
| Arsenic | 246 | 0.67 | 3.4 | |
| Barium | 171 | | 1,500 | Below RSL |
| Beryllium | 0.37 | 1,600 | 16 | Below RSL |
| Chromium | 80.7 | | 12,000 | Below RSL |
| Cobalt | 30.5 | 420 | 2.3 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Copper | 74.8 | | 310 | Below RSL |
| Iron | 84,800 | | 5,500 | |
| Lead | 42.3 | | 40 | |
| Manganese | 3,720 | | 180 | |
| Mercury | 0.023 | | 2.3 | Below RSL |
| Nickel | 45.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.41 | | 39 | Below RSL |
| Vanadium | 158 | | 39 | |
| Zinc | 114 | | 2,300 | Below RSL |
| 1914 | | | | |
| Aluminum | 25,900 | | 7,700 | |
| Arsenic | 132 | 0.67 | 3.4 | |
| Barium | 241 | | 1,500 | Below RSL |
| Chromium | 117 | | 12,000 | Below RSL |
| Cobalt | 26.9 | 420 | 2.3 | |
| Copper | 104 | | 310 | Below RSL |
| Iron | 82,600 | | 5,500 | |
| Lead | 49 | | 40 | |
| Manganese | 2,900 | | 180 | |
| Mercury | 0.052 | | 2.3 | Below RSL |
| Nickel | 51.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.82 | | 39 | Below RSL |
| Vanadium | 172 | | 39 | |
| Zinc | 161 | | 2,300 | Below RSL |
| 1915 | | | | |
| Aluminum | 25,400 | | 7,700 | |
| Arsenic | 86.1 | 0.67 | 3.4 | |
| Barium | 588 | | 1,500 | Below RSL |
| Chromium | 52 | | 12,000 | Below RSL |
| Cobalt | 26.4 | 420 | 2.3 | |
| Copper | 56.6 | | 310 | Below RSL |
| Iron | 87,000 | | 5,500 | |
| Lead | 60.2 | | 40 | |
| Manganese | 6,260 | | 180 | |
| Mercury | 0.046 | | 2.3 | Below RSL |
| Nickel | 33.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.78 | | 39 | Below RSL |
| Vanadium | 129 | | 39 | |
| Zinc | 154 | | 2,300 | Below RSL |
| 1917 | | | | |
| Aluminum | 29,400 | | 7,700 | |
| Arsenic | 69.5 | 0.67 | 3.4 | |
| Barium | 263 | | 1,500 | Below RSL |
| Beryllium | 0.65 | 1,600 | 16 | Below RSL |
| Cadmium | 0.29 | 2,100 | 7 | Below RSL |
| Chromium | 41.2 | | 12,000 | Below RSL |
| Cobalt | 19.6 | 420 | 2.3 | |
| Copper | 66.2 | | 310 | Below RSL |
| Iron | 68,700 | | 5,500 | |
| Lead | 55 | | 40 | |
| Manganese | 1,870 | | 180 | |
| Nickel | 32.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.57 | | 39 | Below RSL |
| Vanadium | 104 | | 39 | |
| Zinc | 119 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| | | Cancer RSL | NonCancer RSL | |
|-----------|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | Below RSL |
| 191A | | | | |
| Aluminum | 33,300 | | 7,700 | |
| Arsenic | 85 | 0.67 | 3.4 | |
| Barium | 567 | | 1,500 | Below RSL |
| Beryllium | 0.76 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 68.6 | | 12,000 | Below RSL |
| Cobalt | 19.8 | 420 | 2.3 | |
| Copper | 71.3 | | 310 | Below RSL |
| Iron | 52,000 | | 5,500 | |
| Lead | 28.9 | | 40 | Below RSL |
| Manganese | 1,960 | | 180 | |
| Mercury | 0.012 | | 2.3 | Below RSL |
| Nickel | 51.8 | 15,000 | 150 | Below RSL |
| Vanadium | 109 | | 39 | |
| Zinc | 150 | | 2,300 | Below RSL |
| 191B | | | | |
| Aluminum | 23,700 | | 7,700 | |
| Arsenic | 68.4 | 0.67 | 3.4 | |
| Barium | 252 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 1.7 | 2,100 | 7 | Below RSL |
| Chromium | 36.6 | | 12,000 | Below RSL |
| Cobalt | 19.7 | 420 | 2.3 | |
| Copper | 117 | | 310 | Below RSL |
| Cyanide | 0.83 | | 2.1 | Below RSL |
| Iron | 44,900 | | 5,500 | |
| Lead | 75.5 | | 40 | |
| Manganese | 1,720 | | 180 | |
| Mercury | 0.24 | | 2.3 | Below RSL |
| Nickel | 32.4 | 15,000 | 150 | Below RSL |
| Vanadium | 67.5 | | 39 | |
| Zinc | 187 | | 2,300 | Below RSL |
| 192 | | | | |
| Aluminum | 21,200 | | 7,700 | |
| Antimony | 1.1 | | 3.1 | Below RSL |
| Arsenic | 45.8 | 0.67 | 3.4 | |
| Barium | 313 | | 1,500 | Below RSL |
| Beryllium | 0.87 | 1,600 | 16 | Below RSL |
| Cadmium | 1.4 | 2,100 | 7 | Below RSL |
| Chromium | 29.8 | | 12,000 | Below RSL |
| Cobalt | 15.3 | 420 | 2.3 | |
| Copper | 164 | | 310 | Below RSL |
| Cyanide | 0.33 | | 2.1 | Below RSL |
| Iron | 28,400 | | 5,500 | |
| Lead | 172 | | 40 | |
| Manganese | 1,670 | | 180 | |
| Mercury | 0.28 | | 2.3 | Below RSL |
| Nickel | 36.2 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Silver | 1.1 | | 39 | Below RSL |
| Vanadium | 49.6 | | 39 | |
| Zinc | 413 | | 2,300 | Below RSL |
| 193 | | | | |
| Aluminum | 13,600 | | 7,700 | |
| Arsenic | 21.1 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 308 | | 1,500 | Below RSL |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 24 | | 12,000 | Below RSL |
| Cobalt | 15.1 | 420 | 2.3 | |
| Copper | 233 | | 310 | Below RSL |
| Cyanide | 1 | | 2.1 | Below RSL |
| Iron | 22,700 | | 5,500 | |
| Lead | 58.7 | | 40 | |
| Manganese | 2,070 | | 180 | |
| Mercury | 0.067 | | 2.3 | Below RSL |
| Nickel | 29.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.43 | | 39 | Below RSL |
| Thallium | 0.41 | | 0.078 | |
| Vanadium | 44.7 | | 39 | |
| Zinc | 2,070 | | 2,300 | Below RSL |
| 194 | | | | |
| Aluminum | 21,000 | | 7,700 | |
| Antimony | 2.2 | | 3.1 | Below RSL |
| Arsenic | 25.9 | 0.67 | 3.4 | |
| Barium | 480 | | 1,500 | Below RSL |
| Beryllium | 0.76 | 1,600 | 16 | Below RSL |
| Cadmium | 1.7 | 2,100 | 7 | Below RSL |
| Chromium | 53.9 | | 12,000 | Below RSL |
| Cobalt | 34.3 | 420 | 2.3 | |
| Copper | 110 | | 310 | Below RSL |
| Cyanide | 0.24 | | 2.1 | Below RSL |
| Iron | 41,200 | | 5,500 | |
| Lead | 58.1 | | 40 | |
| Manganese | 1,000 | | 180 | |
| Mercury | 0.071 | | 2.3 | Below RSL |
| Nickel | 43.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.19 | | 39 | Below RSL |
| Thallium | 0.15 | | 0.078 | |
| Vanadium | 110 | | 39 | |
| Zinc | 162 | | 2,300 | Below RSL |
| 195 | | | | |
| Aluminum | 17,600 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |
| Arsenic | 151 | 0.67 | 3.4 | |
| Barium | 326 | | 1,500 | Below RSL |
| Beryllium | 0.91 | 1,600 | 16 | Below RSL |
| Cadmium | 0.98 | 2,100 | 7 | Below RSL |
| Chromium | 26.2 | | 12,000 | Below RSL |
| Cobalt | 22.8 | 420 | 2.3 | |
| Copper | 621 | | 310 | |
| Cyanide | 0.33 | | 2.1 | Below RSL |
| Iron | 26,300 | | 5,500 | |
| Lead | 350 | | 40 | |
| Manganese | 1,080 | | 180 | |
| Mercury | 1.2 | | 2.3 | Below RSL |
| Nickel | 53.7 | 15,000 | 150 | Below RSL |
| Selenium | 4.2 | | 39 | Below RSL |
| Silver | 1.7 | | 39 | Below RSL |
| Thallium | 0.41 | | 0.078 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 55.7 | | 39 | |
| Zinc | 298 | | 2,300 | Below RSL |
| 196 | | | | |
| Aluminum | 17,700 | | 7,700 | |
| Antimony | 0.45 | | 3.1 | Below RSL |
| Arsenic | 37 | 0.67 | 3.4 | |
| Barium | 336 | | 1,500 | Below RSL |
| Beryllium | 0.93 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 20.6 | | 12,000 | Below RSL |
| Cobalt | 14 | 420 | 2.3 | |
| Copper | 134 | | 310 | Below RSL |
| Cyanide | 0.72 | | 2.1 | Below RSL |
| Iron | 28,800 | | 5,500 | |
| Lead | 287 | | 40 | |
| Manganese | 965 | | 180 | |
| Mercury | 0.4 | | 2.3 | Below RSL |
| Nickel | 23.4 | 15,000 | 150 | Below RSL |
| Selenium | 1.4 | | 39 | Below RSL |
| Thallium | 0.31 | | 0.078 | |
| Vanadium | 61.3 | | 39 | |
| Zinc | 501 | | 2,300 | Below RSL |
| 197 | | | | |
| Aluminum | 18,900 | | 7,700 | |
| Arsenic | 22.9 | 0.67 | 3.4 | |
| Barium | 232 | | 1,500 | Below RSL |
| Beryllium | 0.68 | 1,600 | 16 | Below RSL |
| Cadmium | 1.5 | 2,100 | 7 | Below RSL |
| Chromium | 16.3 | | 12,000 | Below RSL |
| Cobalt | 16.2 | 420 | 2.3 | |
| Copper | 49.2 | | 310 | Below RSL |
| Cyanide | 0.21 | | 2.1 | Below RSL |
| Iron | 35,400 | | 5,500 | |
| Lead | 15.2 | | 40 | Below RSL |
| Manganese | 1,070 | | 180 | |
| Mercury | 0.068 | | 2.3 | Below RSL |
| Nickel | 14.2 | 15,000 | 150 | Below RSL |
| Vanadium | 69.9 | | 39 | |
| Zinc | 511 | | 2,300 | Below RSL |
| 198 | | | | |
| Aluminum | 14,600 | | 7,700 | |
| Arsenic | 24.6 | 0.67 | 3.4 | |
| Barium | 230 | | 1,500 | Below RSL |
| Beryllium | 0.65 | 1,600 | 16 | Below RSL |
| Cadmium | 1.7 | 2,100 | 7 | Below RSL |
| Chromium | 16.8 | | 12,000 | Below RSL |
| Cobalt | 10.8 | 420 | 2.3 | |
| Copper | 171 | | 310 | Below RSL |
| Cyanide | 4.4 | | 2.1 | |
| Iron | 28,300 | | 5,500 | |
| Lead | 113 | | 40 | |
| Manganese | 851 | | 180 | |
| Mercury | 0.2 | | 2.3 | Below RSL |
| Nickel | 18.7 | 15,000 | 150 | Below RSL |
| Selenium | 1.5 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 42.2 | | 39 | |
| Zinc | 371 | | 2,300 | Below RSL |
| 199 | | | | |
| Aluminum | 22,100 | | 7,700 | |
| Antimony | 1.8 | | 3.1 | Below RSL |
| Arsenic | 165 | 0.67 | 3.4 | |
| Barium | 1,360 | | 1,500 | Below RSL |
| Beryllium | 1.5 | 1,600 | 16 | Below RSL |
| Cadmium | 2.6 | 2,100 | 7 | Below RSL |
| Chromium | 111 | | 12,000 | Below RSL |
| Cobalt | 33.9 | 420 | 2.3 | |
| Copper | 508 | | 310 | |
| Cyanide | 0.8 | | 2.1 | Below RSL |
| Iron | 64,700 | | 5,500 | |
| Lead | 253 | | 40 | |
| Manganese | 1,860 | | 180 | |
| Mercury | 0.28 | | 2.3 | Below RSL |
| Nickel | 107 | 15,000 | 150 | Below RSL |
| Selenium | 1.8 | | 39 | Below RSL |
| Silver | 1.6 | | 39 | Below RSL |
| Thallium | 1.6 | | 0.078 | |
| Vanadium | 81.2 | | 39 | |
| Zinc | 289 | | 2,300 | Below RSL |
| 201 | | | | |
| Aluminum | 45,500 | | 7,700 | |
| Antimony | 1 | | 3.1 | Below RSL |
| Arsenic | 69.8 | 0.67 | 3.4 | |
| Barium | 302 | | 1,500 | Below RSL |
| Beryllium | 0.4 | 1,600 | 16 | Below RSL |
| Cadmium | 4.1 | 2,100 | 7 | Below RSL |
| Chromium | 68.4 | | 12,000 | Below RSL |
| Cobalt | 41.1 | 420 | 2.3 | |
| Copper | 362 | | 310 | |
| Cyanide | 0.15 | | 2.1 | Below RSL |
| Iron | 85,200 | | 5,500 | |
| Lead | 89.7 | | 40 | |
| Manganese | 5,660 | | 180 | |
| Mercury | 0.21 | | 2.3 | Below RSL |
| Nickel | 50.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.56 | | 39 | Below RSL |
| Silver | 0.055 | | 39 | Below RSL |
| Thallium | 0.82 | | 0.078 | |
| Vanadium | 268 | | 39 | |
| Zinc | 199 | | 2,300 | Below RSL |
| 202 | | | | |
| Aluminum | 19,700 | | 7,700 | |
| Antimony | 2 | | 3.1 | Below RSL |
| Arsenic | 29.9 | 0.67 | 3.4 | |
| Barium | 732 | | 1,500 | Below RSL |
| Beryllium | 0.99 | 1,600 | 16 | Below RSL |
| Cadmium | 2.4 | 2,100 | 7 | Below RSL |
| Chromium | 24.4 | | 12,000 | Below RSL |
| Cobalt | 16.2 | 420 | 2.3 | |
| Copper | 144 | | 310 | Below RSL |
| Cyanide | 0.15 | | 2.1 | Below RSL |
| Iron | 21,300 | | 5,500 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Lead | 134 | | 40 | |
| Manganese | 925 | | 180 | |
| Mercury | 0.42 | | 2.3 | Below RSL |
| Nickel | 65.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.62 | | 39 | Below RSL |
| Vanadium | 55.1 | | 39 | |
| Zinc | 420 | | 2,300 | Below RSL |
| 203A | | | | |
| Aluminum | 30,600 | | 7,700 | |
| Antimony | 3.8 | | 3.1 | |
| Arsenic | 237 | 0.67 | 3.4 | |
| Barium | 784 | | 1,500 | Below RSL |
| Beryllium | 2.3 | 1,600 | 16 | Below RSL |
| Cadmium | 9.6 | 2,100 | 7 | |
| Chromium | 72.8 | | 12,000 | Below RSL |
| Cobalt | 19.9 | 420 | 2.3 | |
| Copper | 2,270 | | 310 | |
| Cyanide | 0.23 | | 2.1 | Below RSL |
| Iron | 40,900 | | 5,500 | |
| Lead | 602 | | 40 | |
| Manganese | 1,520 | | 180 | |
| Mercury | 1.1 | | 2.3 | Below RSL |
| Nickel | 82.9 | 15,000 | 150 | Below RSL |
| Selenium | 3.1 | | 39 | Below RSL |
| Silver | 7.7 | | 39 | Below RSL |
| Thallium | 0.44 | | 0.078 | |
| Vanadium | 78.6 | | 39 | |
| Zinc | 1,170 | | 2,300 | Below RSL |
| 203A | | | | |
| Aluminum | 25,400 | | 7,700 | |
| Antimony | 3 | | 3.1 | Below RSL |
| Arsenic | 191 | 0.67 | 3.4 | |
| Barium | 651 | | 1,500 | Below RSL |
| Beryllium | 1.7 | 1,600 | 16 | Below RSL |
| Cadmium | 9.5 | 2,100 | 7 | |
| Chromium | 59.4 | | 12,000 | Below RSL |
| Cobalt | 20.7 | 420 | 2.3 | |
| Copper | 1,590 | | 310 | |
| Cyanide | 0.19 | | 2.1 | Below RSL |
| Iron | 52,300 | | 5,500 | |
| Lead | 678 | | 40 | |
| Manganese | 2,080 | | 180 | |
| Mercury | 0.64 | | 2.3 | Below RSL |
| Nickel | 70.6 | 15,000 | 150 | Below RSL |
| Selenium | 2 | | 39 | Below RSL |
| Silver | 3.2 | | 39 | Below RSL |
| Thallium | 0.36 | | 0.078 | |
| Vanadium | 57.7 | | 39 | |
| Zinc | 2,040 | | 2,300 | Below RSL |
| 204 | | | | |
| Aluminum | 19,000 | | 7,700 | |
| Antimony | 1.8 | | 3.1 | Below RSL |
| Arsenic | 35.3 | 0.67 | 3.4 | |
| Barium | 293 | | 1,500 | Below RSL |
| Beryllium | 0.88 | 1,600 | 16 | Below RSL |
| Cadmium | 2.6 | 2,100 | 7 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 34.8 | | 12,000 | Below RSL |
| Cobalt | 18.5 | 420 | 2.3 | |
| Copper | 230 | | 310 | Below RSL |
| Cyanide | 0.61 | | 2.1 | Below RSL |
| Iron | 30,500 | | 5,500 | |
| Lead | 56 | | 40 | |
| Manganese | 1,570 | | 180 | |
| Mercury | 0.12 | | 2.3 | Below RSL |
| Nickel | 36.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.38 | | 39 | Below RSL |
| Thallium | 0.18 | | 0.078 | |
| Vanadium | 76 | | 39 | |
| Zinc | 650 | | 2,300 | Below RSL |
| 205 | | | | |
| Aluminum | 22,000 | | 7,700 | |
| Antimony | 1.8 | | 3.1 | Below RSL |
| Arsenic | 39.8 | 0.67 | 3.4 | |
| Barium | 358 | | 1,500 | Below RSL |
| Beryllium | 0.83 | 1,600 | 16 | Below RSL |
| Cadmium | 2.7 | 2,100 | 7 | Below RSL |
| Chromium | 38.4 | | 12,000 | Below RSL |
| Cobalt | 18.4 | 420 | 2.3 | |
| Copper | 423 | | 310 | |
| Cyanide | 0.3 | | 2.1 | Below RSL |
| Iron | 30,500 | | 5,500 | |
| Lead | 76.6 | | 40 | |
| Manganese | 1,580 | | 180 | |
| Mercury | 0.11 | | 2.3 | Below RSL |
| Nickel | 41.7 | 15,000 | 150 | Below RSL |
| Thallium | 0.12 | | 0.078 | |
| Vanadium | 66.8 | | 39 | |
| Zinc | 489 | | 2,300 | Below RSL |
| 206 | | | | |
| Aluminum | 11,600 | | 7,700 | |
| Antimony | 1.6 | | 3.1 | Below RSL |
| Arsenic | 26.5 | 0.67 | 3.4 | |
| Barium | 159 | | 1,500 | Below RSL |
| Beryllium | 0.51 | 1,600 | 16 | Below RSL |
| Cadmium | 2.6 | 2,100 | 7 | Below RSL |
| Chromium | 17.2 | | 12,000 | Below RSL |
| Cobalt | 11.5 | 420 | 2.3 | |
| Copper | 293 | | 310 | Below RSL |
| Cyanide | 0.38 | | 2.1 | Below RSL |
| Iron | 20,900 | | 5,500 | |
| Lead | 64.2 | | 40 | |
| Manganese | 763 | | 180 | |
| Mercury | 0.2 | | 2.3 | Below RSL |
| Nickel | 15.9 | 15,000 | 150 | Below RSL |
| Silver | 0.42 | | 39 | Below RSL |
| Thallium | 0.076 | | 0.078 | Below RSL |
| Vanadium | 38.6 | | 39 | Below RSL |
| Zinc | 220 | | 2,300 | Below RSL |
| 207 | | | | |
| Aluminum | 16,100 | | 7,700 | |
| Antimony | 1.9 | | 3.1 | Below RSL |
| Arsenic | 35.6 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 277 | | 1,500 | Below RSL |
| Beryllium | 0.87 | 1,600 | 16 | Below RSL |
| Cadmium | 1.9 | 2,100 | 7 | Below RSL |
| Chromium | 23.3 | | 12,000 | Below RSL |
| Cobalt | 16.1 | 420 | 2.3 | |
| Copper | 173 | | 310 | Below RSL |
| Iron | 30,300 | | 5,500 | |
| Lead | 46.7 | | 40 | |
| Manganese | 889 | | 180 | |
| Mercury | 0.22 | | 2.3 | Below RSL |
| Nickel | 50.1 | 15,000 | 150 | Below RSL |
| Silver | 0.17 | | 39 | Below RSL |
| Thallium | 0.13 | | 0.078 | |
| Vanadium | 59.2 | | 39 | |
| Zinc | 201 | | 2,300 | Below RSL |
| 209 | | | | |
| Aluminum | 14,400 | | 7,700 | |
| Antimony | 1 | | 3.1 | Below RSL |
| Arsenic | 33 | 0.67 | 3.4 | |
| Barium | 194 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Cadmium | 1.2 | 2,100 | 7 | Below RSL |
| Chromium | 20.2 | | 12,000 | Below RSL |
| Cobalt | 12.5 | 420 | 2.3 | |
| Copper | 79.9 | | 310 | Below RSL |
| Cyanide | 0.2 | | 2.1 | Below RSL |
| Iron | 29,500 | | 5,500 | |
| Lead | 34.9 | | 40 | Below RSL |
| Manganese | 691 | | 180 | |
| Mercury | 0.12 | | 2.3 | Below RSL |
| Nickel | 17.1 | 15,000 | 150 | Below RSL |
| Thallium | 0.37 | | 0.078 | |
| Vanadium | 49.3 | | 39 | |
| Zinc | 389 | | 2,300 | Below RSL |
| 210 | | | | |
| Aluminum | 13,300 | | 7,700 | |
| Arsenic | 42.9 | 0.67 | 3.4 | |
| Barium | 212 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 1.2 | 2,100 | 7 | Below RSL |
| Chromium | 19.1 | | 12,000 | Below RSL |
| Cobalt | 11.1 | 420 | 2.3 | |
| Copper | 45.6 | | 310 | Below RSL |
| Cyanide | 0.22 | | 2.1 | Below RSL |
| Iron | 21,800 | | 5,500 | |
| Lead | 41 | | 40 | |
| Manganese | 946 | | 180 | |
| Mercury | 0.15 | | 2.3 | Below RSL |
| Nickel | 22.9 | 15,000 | 150 | Below RSL |
| Thallium | 0.25 | | 0.078 | |
| Vanadium | 41.5 | | 39 | |
| Zinc | 252 | | 2,300 | Below RSL |
| 2102 | | | | |
| Aluminum | 24,700 | | 7,700 | |
| Arsenic | 178 | 0.67 | 3.4 | |
| Barium | 153 | | 1,500 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 28.9 | | 12,000 | Below RSL |
| Cobalt | 14.7 | 420 | 2.3 | |
| Copper | 42.7 | | 310 | Below RSL |
| Iron | 55,100 | | 5,500 | |
| Lead | 105 | | 40 | |
| Manganese | 870 | | 180 | |
| Mercury | 0.03 | | 2.3 | Below RSL |
| Nickel | 18.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.59 | | 39 | Below RSL |
| Vanadium | 83.8 | | 39 | |
| Zinc | 471 | | 2,300 | Below RSL |
| 2103A | | | | |
| Aluminum | 17,100 | | 7,700 | |
| Arsenic | 127 | 0.67 | 3.4 | |
| Barium | 93.6 | | 1,500 | Below RSL |
| Chromium | 20.2 | | 12,000 | Below RSL |
| Cobalt | 12.4 | 420 | 2.3 | |
| Copper | 58.6 | | 310 | Below RSL |
| Iron | 51,800 | | 5,500 | |
| Lead | 79.3 | | 40 | |
| Manganese | 990 | | 180 | |
| Mercury | 0.4 | | 2.3 | Below RSL |
| Nickel | 13.7 | 15,000 | 150 | Below RSL |
| Selenium | 1.4 | | 39 | Below RSL |
| Vanadium | 84.3 | | 39 | |
| Zinc | 360 | | 2,300 | Below RSL |
| 2103B | | | | |
| Aluminum | 21,100 | | 7,700 | |
| Arsenic | 114 | 0.67 | 3.4 | |
| Barium | 93.4 | | 1,500 | Below RSL |
| Chromium | 22.8 | | 12,000 | Below RSL |
| Cobalt | 12.3 | 420 | 2.3 | |
| Copper | 88.9 | | 310 | Below RSL |
| Iron | 41,700 | | 5,500 | |
| Lead | 81.8 | | 40 | |
| Manganese | 838 | | 180 | |
| Mercury | 0.12 | | 2.3 | Below RSL |
| Nickel | 15.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.82 | | 39 | Below RSL |
| Vanadium | 74.2 | | 39 | |
| Zinc | 388 | | 2,300 | Below RSL |
| 2105 | | | | |
| Aluminum | 21,700 | | 7,700 | |
| Arsenic | 202 | 0.67 | 3.4 | |
| Barium | 120 | | 1,500 | Below RSL |
| Beryllium | 0.69 | 1,600 | 16 | Below RSL |
| Chromium | 21.6 | | 12,000 | Below RSL |
| Cobalt | 14.6 | 420 | 2.3 | |
| Copper | 77.1 | | 310 | Below RSL |
| Iron | 48,600 | | 5,500 | |
| Lead | 117 | | 40 | |
| Manganese | 894 | | 180 | |
| Mercury | 0.33 | | 2.3 | Below RSL |
| Nickel | 17.7 | 15,000 | 150 | Below RSL |
| Selenium | 1.3 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 81 | | 39 | |
| Zinc | 410 | | 2,300 | Below RSL |
| 2108 | | | | |
| Aluminum | 24,000 | | 7,700 | |
| Arsenic | 58.3 | 0.67 | 3.4 | |
| Barium | 154 | | 1,500 | Below RSL |
| Beryllium | 0.74 | 1,600 | 16 | Below RSL |
| Cadmium | 0.16 | 2,100 | 7 | Below RSL |
| Chromium | 21.3 | | 12,000 | Below RSL |
| Cobalt | 14.4 | 420 | 2.3 | |
| Copper | 32.1 | | 310 | Below RSL |
| Iron | 74,000 | | 5,500 | |
| Lead | 39.9 | | 40 | Below RSL |
| Manganese | 1,080 | | 180 | |
| Mercury | 0.014 | | 2.3 | Below RSL |
| Nickel | 19.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.48 | | 39 | Below RSL |
| Vanadium | 51.7 | | 39 | |
| Zinc | 174 | | 2,300 | Below RSL |
| 2109 | | | | |
| Aluminum | 19,200 | | 7,700 | |
| Arsenic | 212 | 0.67 | 3.4 | |
| Barium | 110 | | 1,500 | Below RSL |
| Beryllium | 0.49 | 1,600 | 16 | Below RSL |
| Cadmium | 0.62 | 2,100 | 7 | Below RSL |
| Chromium | 14.1 | | 12,000 | Below RSL |
| Cobalt | 10.6 | 420 | 2.3 | |
| Copper | 46.5 | | 310 | Below RSL |
| Iron | 42,400 | | 5,500 | |
| Lead | 159 | | 40 | |
| Manganese | 1,040 | | 180 | |
| Mercury | 0.33 | | 2.3 | Below RSL |
| Nickel | 12.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.83 | | 39 | Below RSL |
| Vanadium | 46.8 | | 39 | |
| Zinc | 377 | | 2,300 | Below RSL |
| 211 | | | | |
| Aluminum | 17,800 | | 7,700 | |
| Antimony | 1.7 | | 3.1 | Below RSL |
| Arsenic | 35.7 | 0.67 | 3.4 | |
| Barium | 294 | | 1,500 | Below RSL |
| Beryllium | 0.9 | 1,600 | 16 | Below RSL |
| Cadmium | 3.2 | 2,100 | 7 | Below RSL |
| Chromium | 17.8 | | 12,000 | Below RSL |
| Cobalt | 12 | 420 | 2.3 | |
| Copper | 154 | | 310 | Below RSL |
| Cyanide | 0.22 | | 2.1 | Below RSL |
| Iron | 24,300 | | 5,500 | |
| Lead | 253 | | 40 | |
| Manganese | 813 | | 180 | |
| Mercury | 0.11 | | 2.3 | Below RSL |
| Nickel | 18.5 | 15,000 | 150 | Below RSL |
| Vanadium | 49.2 | | 39 | |
| Zinc | 592 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 2110 | | | | |
| Aluminum | 15,800 | | 7,700 | |
| Arsenic | 133 | 0.67 | 3.4 | |
| Barium | 142 | | 1,500 | Below RSL |
| Chromium | 18.4 | | 12,000 | Below RSL |
| Cobalt | 12.7 | 420 | 2.3 | |
| Copper | 72.3 | | 310 | Below RSL |
| Iron | 78,700 | | 5,500 | |
| Lead | 65.5 | | 40 | |
| Manganese | 1,020 | | 180 | |
| Mercury | 0.2 | | 2.3 | Below RSL |
| Nickel | 15.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.72 | | 39 | Below RSL |
| Vanadium | 63.5 | | 39 | |
| Zinc | 211 | | 2,300 | Below RSL |
| 2111A | | | | |
| Aluminum | 24,400 | | 7,700 | |
| Arsenic | 65 | 0.67 | 3.4 | |
| Barium | 102 | | 1,500 | Below RSL |
| Chromium | 22.4 | | 12,000 | Below RSL |
| Cobalt | 12.6 | 420 | 2.3 | |
| Copper | 33.3 | | 310 | Below RSL |
| Iron | 47,800 | | 5,500 | |
| Lead | 12.2 | | 40 | Below RSL |
| Manganese | 822 | | 180 | |
| Mercury | 0.044 | | 2.3 | Below RSL |
| Nickel | 14.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.54 | | 39 | Below RSL |
| Vanadium | 76.7 | | 39 | |
| Zinc | 143 | | 2,300 | Below RSL |
| 2111B | | | | |
| Aluminum | 26,300 | | 7,700 | |
| Arsenic | 39.3 | 0.67 | 3.4 | |
| Barium | 168 | | 1,500 | Below RSL |
| Beryllium | 0.66 | 1,600 | 16 | Below RSL |
| Cadmium | 0.23 | 2,100 | 7 | Below RSL |
| Chromium | 30.9 | | 12,000 | Below RSL |
| Cobalt | 13.8 | 420 | 2.3 | |
| Copper | 34.3 | | 310 | Below RSL |
| Iron | 52,800 | | 5,500 | |
| Lead | 22.9 | | 40 | Below RSL |
| Manganese | 1,050 | | 180 | |
| Mercury | 0.039 | | 2.3 | Below RSL |
| Nickel | 19.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.81 | | 39 | Below RSL |
| Vanadium | 85 | | 39 | |
| Zinc | 131 | | 2,300 | Below RSL |
| 2112 | | | | |
| Aluminum | 24,900 | | 7,700 | |
| Arsenic | 83.9 | 0.67 | 3.4 | |
| Barium | 133 | | 1,500 | Below RSL |
| Beryllium | 0.65 | 1,600 | 16 | Below RSL |
| Cadmium | 0.25 | 2,100 | 7 | Below RSL |
| Chromium | 22.1 | | 12,000 | Below RSL |
| Cobalt | 15.8 | 420 | 2.3 | |
| Copper | 39.5 | | 310 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 40,500 | | 5,500 | |
| Lead | 44.8 | | 40 | |
| Manganese | 878 | | 180 | |
| Mercury | 0.048 | | 2.3 | Below RSL |
| Nickel | 20.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.63 | | 39 | Below RSL |
| Vanadium | 59.2 | | 39 | |
| Zinc | 206 | | 2,300 | Below RSL |
| 2114 | | | | |
| Aluminum | 19,600 | | 7,700 | |
| Arsenic | 28 | 0.67 | 3.4 | |
| Barium | 108 | | 1,500 | Below RSL |
| Beryllium | 0.54 | 1,600 | 16 | Below RSL |
| Chromium | 27.1 | | 12,000 | Below RSL |
| Cobalt | 9.4 | 420 | 2.3 | |
| Copper | 39.2 | | 310 | Below RSL |
| Iron | 47,400 | | 5,500 | |
| Lead | 13.8 | | 40 | Below RSL |
| Manganese | 886 | | 180 | |
| Mercury | 0.017 | | 2.3 | Below RSL |
| Nickel | 16.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.26 | | 39 | Below RSL |
| Vanadium | 59.4 | | 39 | |
| Zinc | 96.1 | | 2,300 | Below RSL |
| 2115 | | | | |
| Aluminum | 20,100 | | 7,700 | |
| Arsenic | 123 | 0.67 | 3.4 | |
| Barium | 95.2 | | 1,500 | Below RSL |
| Beryllium | 0.52 | 1,600 | 16 | Below RSL |
| Chromium | 21.6 | | 12,000 | Below RSL |
| Cobalt | 13.9 | 420 | 2.3 | |
| Copper | 67.6 | | 310 | Below RSL |
| Iron | 41,700 | | 5,500 | |
| Lead | 179 | | 40 | |
| Manganese | 902 | | 180 | |
| Mercury | 0.11 | | 2.3 | Below RSL |
| Nickel | 16.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.69 | | 39 | Below RSL |
| Vanadium | 79 | | 39 | |
| Zinc | 312 | | 2,300 | Below RSL |
| 2116 | | | | |
| Aluminum | 18,500 | | 7,700 | |
| Arsenic | 104 | 0.67 | 3.4 | |
| Barium | 90.9 | | 1,500 | Below RSL |
| Beryllium | 0.52 | 1,600 | 16 | Below RSL |
| Cadmium | 0.61 | 2,100 | 7 | Below RSL |
| Chromium | 15.7 | | 12,000 | Below RSL |
| Cobalt | 14.4 | 420 | 2.3 | |
| Copper | 65.5 | | 310 | Below RSL |
| Iron | 46,000 | | 5,500 | |
| Lead | 66.4 | | 40 | |
| Manganese | 986 | | 180 | |
| Mercury | 0.32 | | 2.3 | Below RSL |
| Nickel | 15 | 15,000 | 150 | Below RSL |
| Selenium | 0.63 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 77.4 | | 39 | |
| Zinc | 243 | | 2,300 | Below RSL |
| 2117 | | | | |
| Aluminum | 21,700 | | 7,700 | |
| Arsenic | 91.6 | 0.67 | 3.4 | |
| Barium | 119 | | 1,500 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |
| Cadmium | 0.97 | 2,100 | 7 | Below RSL |
| Chromium | 16.3 | | 12,000 | Below RSL |
| Cobalt | 12.5 | 420 | 2.3 | |
| Copper | 110 | | 310 | Below RSL |
| Iron | 72,400 | | 5,500 | |
| Lead | 65.5 | | 40 | |
| Manganese | 3,610 | | 180 | |
| Mercury | 0.17 | | 2.3 | Below RSL |
| Nickel | 15.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.7 | | 39 | Below RSL |
| Vanadium | 54.6 | | 39 | |
| Zinc | 199 | | 2,300 | Below RSL |
| 2118 | | | | |
| Aluminum | 18,600 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |
| Arsenic | 72.8 | 0.67 | 3.4 | |
| Barium | 130 | | 1,500 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |
| Cadmium | 1.4 | 2,100 | 7 | Below RSL |
| Chromium | 15.8 | | 12,000 | Below RSL |
| Cobalt | 15.1 | 420 | 2.3 | |
| Copper | 112 | | 310 | Below RSL |
| Iron | 48,300 | | 5,500 | |
| Lead | 52.4 | | 40 | |
| Manganese | 1,190 | | 180 | |
| Mercury | 0.14 | | 2.3 | Below RSL |
| Nickel | 15.5 | 15,000 | 150 | Below RSL |
| Selenium | 3.4 | | 39 | Below RSL |
| Silver | 2.5 | | 39 | Below RSL |
| Vanadium | 54.4 | | 39 | |
| Zinc | 173 | | 2,300 | Below RSL |
| 2119A | | | | |
| Aluminum | 20,700 | | 7,700 | |
| Antimony | 1.8 | | 3.1 | Below RSL |
| Arsenic | 94.9 | 0.67 | 3.4 | |
| Barium | 121 | | 1,500 | Below RSL |
| Chromium | 25.5 | | 12,000 | Below RSL |
| Cobalt | 12.3 | 420 | 2.3 | |
| Copper | 101 | | 310 | Below RSL |
| Iron | 41,300 | | 5,500 | |
| Lead | 84.7 | | 40 | |
| Manganese | 870 | | 180 | |
| Mercury | 0.23 | | 2.3 | Below RSL |
| Nickel | 17.6 | 15,000 | 150 | Below RSL |
| Vanadium | 69.1 | | 39 | |
| Zinc | 256 | | 2,300 | Below RSL |
| 2119B | | | | |
| Aluminum | 21,500 | | 7,700 | |
| Arsenic | 87.2 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 97.3 | | 1,500 | Below RSL |
| Chromium | 19.8 | | 12,000 | Below RSL |
| Cobalt | 13.5 | 420 | 2.3 | |
| Copper | 91.3 | | 310 | Below RSL |
| Iron | 72,000 | | 5,500 | |
| Lead | 53.2 | | 40 | |
| Manganese | 982 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 14.3 | 15,000 | 150 | Below RSL |
| Vanadium | 93.3 | | 39 | |
| Zinc | 263 | | 2,300 | Below RSL |
| 212 | | | | |
| Aluminum | 15,600 | | 7,700 | |
| Arsenic | 16.1 | 0.67 | 3.4 | |
| Barium | 242 | | 1,500 | Below RSL |
| Beryllium | 0.72 | 1,600 | 16 | Below RSL |
| Chromium | 18.8 | | 12,000 | Below RSL |
| Cobalt | 10.8 | 420 | 2.3 | |
| Copper | 29.4 | | 310 | Below RSL |
| Cyanide | 0.52 | | 2.1 | Below RSL |
| Iron | 22,400 | | 5,500 | |
| Lead | 28.2 | | 40 | Below RSL |
| Manganese | 683 | | 180 | |
| Mercury | 0.023 | | 2.3 | Below RSL |
| Nickel | 19.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.65 | | 39 | Below RSL |
| Thallium | 0.45 | | 0.078 | |
| Vanadium | 43.3 | | 39 | |
| Zinc | 719 | | 2,300 | Below RSL |
| 213 | | | | |
| Aluminum | 14,500 | | 7,700 | |
| Antimony | 2.4 | | 3.1 | Below RSL |
| Arsenic | 66.4 | 0.67 | 3.4 | |
| Barium | 339 | | 1,500 | Below RSL |
| Beryllium | 0.81 | 1,600 | 16 | Below RSL |
| Cadmium | 3 | 2,100 | 7 | Below RSL |
| Chromium | 28.3 | | 12,000 | Below RSL |
| Cobalt | 13.8 | 420 | 2.3 | |
| Copper | 199 | | 310 | Below RSL |
| Cyanide | 0.69 | | 2.1 | Below RSL |
| Iron | 27,000 | | 5,500 | |
| Lead | 343 | | 40 | |
| Manganese | 1,450 | | 180 | |
| Mercury | 0.39 | | 2.3 | Below RSL |
| Nickel | 35.7 | 15,000 | 150 | Below RSL |
| Selenium | 5.2 | | 39 | Below RSL |
| Silver | 0.78 | | 39 | Below RSL |
| Thallium | 0.2 | | 0.078 | |
| Vanadium | 46.6 | | 39 | |
| Zinc | 584 | | 2,300 | Below RSL |
| 214A | | | | |
| Aluminum | 15,700 | | 7,700 | |
| Antimony | 0.82 | | 3.1 | Below RSL |
| Arsenic | 61.7 | 0.67 | 3.4 | |
| Barium | 238 | | 1,500 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 22.4 | | 12,000 | Below RSL |
| Cobalt | 14.1 | 420 | 2.3 | |
| Copper | 97.7 | | 310 | Below RSL |
| Cyanide | 0.21 | | 2.1 | Below RSL |
| Iron | 37,000 | | 5,500 | |
| Lead | 261 | | 40 | |
| Manganese | 1,000 | | 180 | |
| Mercury | 0.63 | | 2.3 | Below RSL |
| Nickel | 21.2 | 15,000 | 150 | Below RSL |
| Selenium | 1.3 | | 39 | Below RSL |
| Silver | 0.86 | | 39 | Below RSL |
| Vanadium | 63.6 | | 39 | |
| Zinc | 652 | | 2,300 | Below RSL |
| 214B | | | | |
| Aluminum | 19,200 | | 7,700 | |
| Antimony | 0.76 | | 3.1 | Below RSL |
| Arsenic | 93.8 | 0.67 | 3.4 | |
| Barium | 218 | | 1,500 | Below RSL |
| Beryllium | 0.56 | 1,600 | 16 | Below RSL |
| Cadmium | 2.9 | 2,100 | 7 | Below RSL |
| Chromium | 34.4 | | 12,000 | Below RSL |
| Cobalt | 14.5 | 420 | 2.3 | |
| Copper | 104 | | 310 | Below RSL |
| Iron | 31,400 | | 5,500 | |
| Lead | 274 | | 40 | |
| Manganese | 944 | | 180 | |
| Mercury | 0.61 | | 2.3 | Below RSL |
| Nickel | 30.2 | 15,000 | 150 | Below RSL |
| Selenium | 45.8 | | 39 | |
| Silver | 0.91 | | 39 | Below RSL |
| Vanadium | 67.2 | | 39 | |
| Zinc | 741 | | 2,300 | Below RSL |
| 215A | | | | |
| Aluminum | 15,800 | | 7,700 | |
| Antimony | 1.2 | | 3.1 | Below RSL |
| Arsenic | 59.5 | 0.67 | 3.4 | |
| Barium | 179 | | 1,500 | Below RSL |
| Cadmium | 0.84 | 2,100 | 7 | Below RSL |
| Chromium | 27.3 | | 12,000 | Below RSL |
| Cobalt | 11.9 | 420 | 2.3 | |
| Copper | 40.3 | | 310 | Below RSL |
| Iron | 34,000 | | 5,500 | |
| Lead | 113 | | 40 | |
| Manganese | 846 | | 180 | |
| Mercury | 0.12 | | 2.3 | Below RSL |
| Nickel | 20.4 | 15,000 | 150 | Below RSL |
| Vanadium | 71.6 | | 39 | |
| Zinc | 404 | | 2,300 | Below RSL |
| 215B | | | | |
| Aluminum | 26,000 | | 7,700 | |
| Arsenic | 83.7 | 0.67 | 3.4 | |
| Barium | 429 | | 1,500 | Below RSL |
| Cadmium | 3.1 | 2,100 | 7 | Below RSL |
| Chromium | 47.7 | | 12,000 | Below RSL |
| Cobalt | 17.8 | 420 | 2.3 | |
| Copper | 73.5 | | 310 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 37,600 | | 5,500 | |
| Lead | 402 | | 40 | |
| Manganese | 809 | | 180 | |
| Mercury | 1.1 | | 2.3 | Below RSL |
| Nickel | 62.3 | 15,000 | 150 | Below RSL |
| Selenium | 1.8 | | 39 | Below RSL |
| Vanadium | 72 | | 39 | |
| Zinc | 1,120 | | 2,300 | Below RSL |
| 215C | | | | |
| Aluminum | 13,100 | | 7,700 | |
| Antimony | 13.4 | | 3.1 | |
| Arsenic | 991 | 0.67 | 3.4 | |
| Barium | 130 | | 1,500 | Below RSL |
| Beryllium | 0.26 | 1,600 | 16 | Below RSL |
| Cadmium | 4.2 | 2,100 | 7 | Below RSL |
| Chromium | 19.5 | | 12,000 | Below RSL |
| Cobalt | 12.7 | 420 | 2.3 | |
| Copper | 87.5 | | 310 | Below RSL |
| Cyanide | 0.17 | | 2.1 | Below RSL |
| Iron | 61,800 | | 5,500 | |
| Lead | 3,080 | | 40 | |
| Manganese | 754 | | 180 | |
| Mercury | 4.1 | | 2.3 | |
| Nickel | 14.8 | 15,000 | 150 | Below RSL |
| Selenium | 12.3 | | 39 | Below RSL |
| Silver | 8 | | 39 | Below RSL |
| Thallium | 0.79 | | 0.078 | |
| Vanadium | 72.8 | | 39 | |
| Zinc | 914 | | 2,300 | Below RSL |
| 216 | | | | |
| Aluminum | 13,700 | | 7,700 | |
| Antimony | 1.6 | | 3.1 | Below RSL |
| Arsenic | 31.9 | 0.67 | 3.4 | |
| Barium | 214 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 1.3 | 2,100 | 7 | Below RSL |
| Chromium | 22.3 | | 12,000 | Below RSL |
| Cobalt | 12.2 | 420 | 2.3 | |
| Copper | 76.4 | | 310 | Below RSL |
| Cyanide | 1.1 | | 2.1 | Below RSL |
| Iron | 22,800 | | 5,500 | |
| Lead | 39 | | 40 | Below RSL |
| Manganese | 757 | | 180 | |
| Mercury | 0.53 | | 2.3 | Below RSL |
| Nickel | 19.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.43 | | 39 | Below RSL |
| Silver | 0.63 | | 39 | Below RSL |
| Thallium | 0.33 | | 0.078 | |
| Vanadium | 50.2 | | 39 | |
| Zinc | 305 | | 2,300 | Below RSL |
| 217 | | | | |
| Aluminum | 14,000 | | 7,700 | |
| Antimony | 1.3 | | 3.1 | Below RSL |
| Arsenic | 22.8 | 0.67 | 3.4 | |
| Barium | 225 | | 1,500 | Below RSL |
| Beryllium | 0.75 | 1,600 | 16 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cadmium | 1.4 | 2,100 | 7 | Below RSL |
| Chromium | 20.9 | | 12,000 | Below RSL |
| Cobalt | 12.1 | 420 | 2.3 | |
| Copper | 187 | | 310 | Below RSL |
| Iron | 24,600 | | 5,500 | |
| Lead | 35.3 | | 40 | Below RSL |
| Manganese | 887 | | 180 | |
| Mercury | 0.056 | | 2.3 | Below RSL |
| Nickel | 16.7 | 15,000 | 150 | Below RSL |
| Silver | 0.21 | | 39 | Below RSL |
| Thallium | 0.32 | | 0.078 | |
| Vanadium | 49.1 | | 39 | |
| Zinc | 148 | | 2,300 | Below RSL |
| 218 | | | | |
| Aluminum | 13,000 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |
| Arsenic | 69.6 | 0.67 | 3.4 | |
| Barium | 217 | | 1,500 | Below RSL |
| Beryllium | 0.64 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 17.2 | | 12,000 | Below RSL |
| Cobalt | 10.2 | 420 | 2.3 | |
| Copper | 133 | | 310 | Below RSL |
| Iron | 20,800 | | 5,500 | |
| Lead | 202 | | 40 | |
| Manganese | 709 | | 180 | |
| Mercury | 0.32 | | 2.3 | Below RSL |
| Nickel | 17.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.71 | | 39 | Below RSL |
| Thallium | 0.25 | | 0.078 | |
| Vanadium | 38.7 | | 39 | Below RSL |
| Zinc | 239 | | 2,300 | Below RSL |
| 219 | | | | |
| Aluminum | 12,500 | | 7,700 | |
| Antimony | 1.3 | | 3.1 | Below RSL |
| Arsenic | 26.5 | 0.67 | 3.4 | |
| Barium | 228 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Cadmium | 1.1 | 2,100 | 7 | Below RSL |
| Chromium | 14.3 | | 12,000 | Below RSL |
| Cobalt | 10.9 | 420 | 2.3 | |
| Copper | 60.1 | | 310 | Below RSL |
| Iron | 21,800 | | 5,500 | |
| Lead | 28.5 | | 40 | Below RSL |
| Manganese | 675 | | 180 | |
| Mercury | 0.099 | | 2.3 | Below RSL |
| Nickel | 14.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.42 | | 39 | Below RSL |
| Thallium | 0.45 | | 0.078 | |
| Vanadium | 39.7 | | 39 | |
| Zinc | 173 | | 2,300 | Below RSL |
| 220 | | | | |
| Aluminum | 12,300 | | 7,700 | |
| Antimony | 0.59 | | 3.1 | Below RSL |
| Arsenic | 37 | 0.67 | 3.4 | |
| Barium | 184 | | 1,500 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Beryllium | 0.57 | 1,600 | 16 | Below RSL |
| Cadmium | 0.63 | 2,100 | 7 | Below RSL |
| Chromium | 18.3 | | 12,000 | Below RSL |
| Cobalt | 12.3 | 420 | 2.3 | |
| Copper | 77.1 | | 310 | Below RSL |
| Iron | 23,500 | | 5,500 | |
| Lead | 48 | | 40 | |
| Manganese | 672 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 15.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.78 | | 39 | Below RSL |
| Silver | 0.29 | | 39 | Below RSL |
| Thallium | 0.34 | | 0.078 | |
| Vanadium | 47.1 | | 39 | |
| Zinc | 190 | | 2,300 | Below RSL |
| 2201 | | | | |
| Aluminum | 21,000 | | 7,700 | |
| Arsenic | 86.1 | 0.67 | 3.4 | |
| Barium | 153 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Cadmium | 0.24 | 2,100 | 7 | Below RSL |
| Chromium | 21.5 | | 12,000 | Below RSL |
| Cobalt | 15.6 | 420 | 2.3 | |
| Copper | 43 | | 310 | Below RSL |
| Iron | 48,500 | | 5,500 | |
| Lead | 75.5 | | 40 | |
| Manganese | 878 | | 180 | |
| Nickel | 16.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.58 | | 39 | Below RSL |
| Vanadium | 76.7 | | 39 | |
| Zinc | 311 | | 2,300 | Below RSL |
| 2202 | | | | |
| Aluminum | 25,800 | | 7,700 | |
| Arsenic | 38.2 | 0.67 | 3.4 | |
| Barium | 165 | | 1,500 | Below RSL |
| Chromium | 26.4 | | 12,000 | Below RSL |
| Cobalt | 17.9 | 420 | 2.3 | |
| Copper | 40.3 | | 310 | Below RSL |
| Iron | 57,100 | | 5,500 | |
| Lead | 21.4 | | 40 | Below RSL |
| Manganese | 974 | | 180 | |
| Mercury | 0.029 | | 2.3 | Below RSL |
| Nickel | 19.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.78 | | 39 | Below RSL |
| Vanadium | 97.2 | | 39 | |
| Zinc | 153 | | 2,300 | Below RSL |
| 2203 | | | | |
| Aluminum | 13,500 | | 7,700 | |
| Arsenic | 49.8 | 0.67 | 3.4 | |
| Barium | 79.6 | | 1,500 | Below RSL |
| Beryllium | 0.38 | 1,600 | 16 | Below RSL |
| Chromium | 24.2 | | 12,000 | Below RSL |
| Cobalt | 10.7 | 420 | 2.3 | |
| Copper | 28.8 | | 310 | Below RSL |
| Iron | 48,600 | | 5,500 | |
| Lead | 20 | | 40 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Manganese | 870 | 15,000 | 180 | Below RSL |
| Mercury | 0.039 | | 2.3 | |
| Nickel | 12.2 | | 150 | |
| Selenium | 0.45 | | 39 | |
| Vanadium | 61.5 | | 39 | |
| Zinc | 155 | | 2,300 | Below RSL |
| 2204 | | | | |
| Aluminum | 22,800 | 0.67 | 7,700 | Below RSL |
| Arsenic | 28 | | 3.4 | |
| Barium | 165 | | 1,500 | |
| Beryllium | 0.55 | | 16 | |
| Cadmium | 0.24 | | 7 | |
| Chromium | 21.8 | 420 | 12,000 | Below RSL |
| Cobalt | 13.6 | | 2.3 | |
| Copper | 39.6 | | 310 | |
| Iron | 39,000 | | 5,500 | |
| Lead | 16.8 | | 40 | |
| Manganese | 1,090 | 15,000 | 180 | Below RSL |
| Mercury | 0.048 | | 2.3 | |
| Nickel | 13.8 | | 150 | |
| Selenium | 0.72 | | 39 | |
| Vanadium | 84 | | 39 | |
| Zinc | 185 | | 2,300 | Below RSL |
| 2205 | | | | |
| Aluminum | 19,200 | 0.67 | 7,700 | Below RSL |
| Arsenic | 109 | | 3.4 | |
| Barium | 130 | | 1,500 | |
| Beryllium | 0.6 | | 16 | |
| Cadmium | 0.48 | | 7 | |
| Chromium | 14.6 | 420 | 12,000 | Below RSL |
| Cobalt | 13.7 | | 2.3 | |
| Copper | 42.8 | | 310 | |
| Iron | 48,300 | | 5,500 | |
| Lead | 73.6 | | 40 | |
| Manganese | 902 | 15,000 | 180 | Below RSL |
| Mercury | 0.11 | | 2.3 | |
| Nickel | 12.6 | | 150 | |
| Selenium | 0.73 | | 39 | |
| Vanadium | 57.6 | | 39 | |
| Zinc | 338 | | 2,300 | Below RSL |
| 2209 | | | | |
| Aluminum | 22,400 | 0.67 | 7,700 | Below RSL |
| Arsenic | 44.9 | | 3.4 | |
| Barium | 135 | | 1,500 | |
| Beryllium | 0.49 | | 16 | |
| Cadmium | 0.16 | | 7 | |
| Chromium | 19.6 | 420 | 12,000 | Below RSL |
| Cobalt | 13.8 | | 2.3 | |
| Copper | 27.8 | | 310 | |
| Iron | 37,900 | | 5,500 | |
| Lead | 32.7 | | 40 | |
| Manganese | 757 | 15,000 | 180 | Below RSL |
| Mercury | 0.029 | | 2.3 | |
| Nickel | 20.1 | | 150 | |
| Selenium | 0.68 | | 39 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 51.1 | | 39 | |
| Zinc | 215 | | 2,300 | Below RSL |
| 221 | | | | |
| Aluminum | 40,400 | | 7,700 | |
| Antimony | 3 | | 3.1 | Below RSL |
| Arsenic | 191 | 0.67 | 3.4 | |
| Barium | 2,860 | | 1,500 | |
| Beryllium | 1.8 | 1,600 | 16 | Below RSL |
| Cadmium | 9.5 | 2,100 | 7 | |
| Chromium | 120 | | 12,000 | Below RSL |
| Cobalt | 31.9 | 420 | 2.3 | |
| Copper | 1,590 | | 310 | |
| Cyanide | 0.23 | | 2.1 | Below RSL |
| Iron | 51,600 | | 5,500 | |
| Lead | 307 | | 40 | |
| Manganese | 3,040 | | 180 | |
| Mercury | 0.64 | | 2.3 | Below RSL |
| Nickel | 141 | 15,000 | 150 | Below RSL |
| Selenium | 3.1 | | 39 | Below RSL |
| Silver | 3.2 | | 39 | Below RSL |
| Thallium | 0.1 | | 0.078 | |
| Vanadium | 106 | | 39 | |
| Zinc | 816 | | 2,300 | Below RSL |
| 2211 | | | | |
| Aluminum | 22,200 | | 7,700 | |
| Arsenic | 137 | 0.67 | 3.4 | |
| Barium | 131 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Chromium | 22.2 | | 12,000 | Below RSL |
| Cobalt | 11.9 | 420 | 2.3 | |
| Copper | 31.5 | | 310 | Below RSL |
| Iron | 40,700 | | 5,500 | |
| Lead | 78.2 | | 40 | |
| Manganese | 910 | | 180 | |
| Mercury | 0.042 | | 2.3 | Below RSL |
| Nickel | 14.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.23 | | 39 | Below RSL |
| Vanadium | 71.4 | | 39 | |
| Zinc | 332 | | 2,300 | Below RSL |
| 2214 | | | | |
| Aluminum | 20,600 | | 7,700 | |
| Arsenic | 285 | 0.67 | 3.4 | |
| Barium | 118 | | 1,500 | Below RSL |
| Beryllium | 0.46 | 1,600 | 16 | Below RSL |
| Cadmium | 2.2 | 2,100 | 7 | Below RSL |
| Chromium | 20.2 | | 12,000 | Below RSL |
| Cobalt | 15.6 | 420 | 2.3 | |
| Copper | 70.7 | | 310 | Below RSL |
| Iron | 54,600 | | 5,500 | |
| Lead | 281 | | 40 | |
| Manganese | 1,120 | | 180 | |
| Mercury | 1.3 | | 2.3 | Below RSL |
| Nickel | 16 | 15,000 | 150 | Below RSL |
| Selenium | 3.3 | | 39 | Below RSL |
| Vanadium | 67.7 | | 39 | |
| Zinc | 810 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal County, Arizona | | | | |
|---|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 2215 | | | | |
| Aluminum | 19,900 | | 7,700 | |
| Arsenic | 832 | 0.67 | 3.4 | |
| Barium | 155 | | 1,500 | Below RSL |
| Beryllium | 0.63 | 1,600 | 16 | Below RSL |
| Cadmium | 0.47 | 2,100 | 7 | Below RSL |
| Chromium | 22.4 | | 12,000 | Below RSL |
| Cobalt | 13.7 | 420 | 2.3 | |
| Copper | 36.9 | | 310 | Below RSL |
| Iron | 56,500 | | 5,500 | |
| Lead | 96.2 | | 40 | |
| Manganese | 894 | | 180 | |
| Mercury | 0.15 | | 2.3 | Below RSL |
| Nickel | 15.7 | 15,000 | 150 | Below RSL |
| Vanadium | 67.4 | | 39 | |
| Zinc | 1,080 | | 2,300 | Below RSL |
| 2216 | | | | |
| Aluminum | 19,700 | | 7,700 | |
| Arsenic | 167 | 0.67 | 3.4 | |
| Barium | 116 | | 1,500 | Below RSL |
| Beryllium | 0.46 | 1,600 | 16 | Below RSL |
| Chromium | 22.5 | | 12,000 | Below RSL |
| Cobalt | 12.1 | 420 | 2.3 | |
| Copper | 33.9 | | 310 | Below RSL |
| Iron | 49,800 | | 5,500 | |
| Lead | 387 | | 40 | |
| Manganese | 780 | | 180 | |
| Mercury | 0.031 | | 2.3 | Below RSL |
| Nickel | 14.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.52 | | 39 | Below RSL |
| Vanadium | 69.9 | | 39 | |
| Zinc | 698 | | 2,300 | Below RSL |
| 222 | | | | |
| Aluminum | 17,200 | | 7,700 | |
| Antimony | 0.92 | | 3.1 | Below RSL |
| Arsenic | 216 | 0.67 | 3.4 | |
| Barium | 236 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 4 | 2,100 | 7 | Below RSL |
| Chromium | 26.3 | | 12,000 | Below RSL |
| Cobalt | 13.4 | 420 | 2.3 | |
| Copper | 825 | | 310 | |
| Cyanide | 0.78 | | 2.1 | Below RSL |
| Iron | 42,400 | | 5,500 | |
| Lead | 9,150 | | 40 | |
| Manganese | 740 | | 180 | |
| Mercury | 2.2 | | 2.3 | Below RSL |
| Nickel | 19.1 | 15,000 | 150 | Below RSL |
| Selenium | 4.1 | | 39 | Below RSL |
| Silver | 6.2 | | 39 | Below RSL |
| Vanadium | 73.4 | | 39 | |
| Zinc | 1,020 | | 2,300 | Below RSL |
| 223 | | | | |
| Aluminum | 15,200 | | 7,700 | |
| Antimony | 2.4 | | 3.1 | Below RSL |
| Arsenic | 579 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 144 | | 1,500 | Below RSL |
| Beryllium | 0.31 | 1,600 | 16 | Below RSL |
| Cadmium | 4.5 | 2,100 | 7 | Below RSL |
| Chromium | 26.7 | | 12,000 | Below RSL |
| Cobalt | 12.1 | 420 | 2.3 | |
| Copper | 92.5 | | 310 | Below RSL |
| Iron | 37,900 | | 5,500 | |
| Lead | 456 | | 40 | |
| Manganese | 790 | | 180 | |
| Mercury | 2 | | 2.3 | Below RSL |
| Nickel | 18 | 15,000 | 150 | Below RSL |
| Selenium | 3.7 | | 39 | Below RSL |
| Silver | 2.4 | | 39 | Below RSL |
| Thallium | 0.26 | | 0.078 | |
| Vanadium | 66.4 | | 39 | |
| Zinc | 1,310 | | 2,300 | Below RSL |
| 224 | | | | |
| Aluminum | 19,400 | | 7,700 | |
| Antimony | 0.41 | | 3.1 | Below RSL |
| Arsenic | 86.5 | 0.67 | 3.4 | |
| Barium | 245 | | 1,500 | Below RSL |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Cadmium | 2.5 | 2,100 | 7 | Below RSL |
| Chromium | 33.1 | | 12,000 | Below RSL |
| Cobalt | 16.4 | 420 | 2.3 | |
| Copper | 83.9 | | 310 | Below RSL |
| Iron | 42,500 | | 5,500 | |
| Lead | 185 | | 40 | |
| Manganese | 769 | | 180 | |
| Mercury | 0.85 | | 2.3 | Below RSL |
| Nickel | 23.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.79 | | 39 | Below RSL |
| Silver | 0.95 | | 39 | Below RSL |
| Thallium | 0.33 | | 0.078 | |
| Vanadium | 82.6 | | 39 | |
| Zinc | 568 | | 2,300 | Below RSL |
| 225A | | | | |
| Aluminum | 12,600 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |
| Arsenic | 181 | 0.67 | 3.4 | |
| Barium | 112 | | 1,500 | Below RSL |
| Beryllium | 0.36 | 1,600 | 16 | Below RSL |
| Cadmium | 4.6 | 2,100 | 7 | Below RSL |
| Chromium | 23.2 | | 12,000 | Below RSL |
| Cobalt | 13.8 | 420 | 2.3 | |
| Copper | 66.1 | | 310 | Below RSL |
| Cyanide | 0.26 | | 2.1 | Below RSL |
| Iron | 48,900 | | 5,500 | |
| Lead | 351 | | 40 | |
| Manganese | 769 | | 180 | |
| Mercury | 1.1 | | 2.3 | Below RSL |
| Nickel | 15.5 | 15,000 | 150 | Below RSL |
| Selenium | 2.5 | | 39 | Below RSL |
| Silver | 1.1 | | 39 | Below RSL |
| Thallium | 0.3 | | 0.078 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 97.2 | | 39 | |
| Zinc | 917 | | 2,300 | Below RSL |
| 225C | | | | |
| Aluminum | 11,900 | | 7,700 | |
| Antimony | 3.4 | | 3.1 | |
| Arsenic | 342 | 0.67 | 3.4 | |
| Barium | 124 | | 1,500 | Below RSL |
| Beryllium | 0.34 | 1,600 | 16 | Below RSL |
| Cadmium | 3.2 | 2,100 | 7 | Below RSL |
| Chromium | 17.4 | | 12,000 | Below RSL |
| Cobalt | 13 | 420 | 2.3 | |
| Copper | 64 | | 310 | Below RSL |
| Iron | 52,600 | | 5,500 | |
| Lead | 586 | | 40 | |
| Manganese | 910 | | 180 | |
| Mercury | 1.7 | | 2.3 | Below RSL |
| Nickel | 14.6 | 15,000 | 150 | Below RSL |
| Selenium | 4.4 | | 39 | Below RSL |
| Silver | 3.5 | | 39 | Below RSL |
| Thallium | 0.22 | | 0.078 | |
| Vanadium | 52.1 | | 39 | |
| Zinc | 792 | | 2,300 | Below RSL |
| 226 | | | | |
| Aluminum | 12,200 | | 7,700 | |
| Antimony | 5 | | 3.1 | |
| Arsenic | 618 | 0.67 | 3.4 | |
| Barium | 160 | | 1,500 | Below RSL |
| Beryllium | 0.49 | 1,600 | 16 | Below RSL |
| Cadmium | 4.8 | 2,100 | 7 | Below RSL |
| Chromium | 19.6 | | 12,000 | Below RSL |
| Cobalt | 12.3 | 420 | 2.3 | |
| Copper | 496 | | 310 | |
| Cyanide | 0.49 | | 2.1 | Below RSL |
| Iron | 44,600 | | 5,500 | |
| Lead | 904 | | 40 | |
| Manganese | 631 | | 180 | |
| Mercury | 3.9 | | 2.3 | |
| Nickel | 16.8 | 15,000 | 150 | Below RSL |
| Nitrate as N | 1 | | 13,000 | Below RSL |
| Selenium | 7.3 | | 39 | Below RSL |
| Silver | 5.2 | | 39 | Below RSL |
| Sulfate | 4,200 | | | |
| Thallium | 1.5 | | 0.078 | |
| Vanadium | 46.7 | | 39 | |
| Zinc | 1,250 | | 2,300 | Below RSL |
| 227 and 70J | | | | |
| Aluminum | 16,900 | | 7,700 | |
| Antimony | 4 | | 3.1 | |
| Arsenic | 667 | 0.67 | 3.4 | |
| Barium | 477 | | 1,500 | Below RSL |
| Beryllium | 0.8 | 1,600 | 16 | Below RSL |
| Cadmium | 4.5 | 2,100 | 7 | Below RSL |
| Chromium | 31.5 | | 12,000 | Below RSL |
| Cobalt | 15.3 | 420 | 2.3 | |
| Copper | 242 | | 310 | Below RSL |
| Cyanide | 0.85 | | 2.1 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 41,500 | | 5,500 | |
| Lead | 1,270 | | 40 | |
| Manganese | 1,610 | | 180 | |
| Mercury | 2 | | 2.3 | Below RSL |
| Nickel | 31 | 15,000 | 150 | Below RSL |
| Selenium | 4.4 | | 39 | Below RSL |
| Silver | 2.3 | | 39 | Below RSL |
| Thallium | 0.44 | | 0.078 | |
| Vanadium | 56.2 | | 39 | |
| Zinc | 1,490 | | 2,300 | Below RSL |
| 228 and 55J | | | | |
| Aluminum | 13,900 | | 7,700 | |
| Antimony | 1.7 | | 3.1 | Below RSL |
| Arsenic | 134 | 0.67 | 3.4 | |
| Barium | 280 | | 1,500 | Below RSL |
| Beryllium | 0.96 | 1,600 | 16 | Below RSL |
| Cadmium | 2.3 | 2,100 | 7 | Below RSL |
| Chromium | 24.4 | | 12,000 | Below RSL |
| Cobalt | 15 | 420 | 2.3 | |
| Copper | 275 | | 310 | Below RSL |
| Cyanide | 2.5 | | 2.1 | |
| Iron | 30,900 | | 5,500 | |
| Lead | 430 | | 40 | |
| Manganese | 907 | | 180 | |
| Mercury | 0.22 | | 2.3 | Below RSL |
| Nickel | 26.6 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Silver | 3.3 | | 39 | Below RSL |
| Vanadium | 53.7 | | 39 | |
| Zinc | 363 | | 2,300 | Below RSL |
| 229 and 36W | | | | |
| Aluminum | 15,700 | | 7,700 | |
| Antimony | 48.6 | | 3.1 | |
| Arsenic | 905 | 0.67 | 3.4 | |
| Barium | 292 | | 1,500 | Below RSL |
| Beryllium | 1 | 1,600 | 16 | Below RSL |
| Cadmium | 21.2 | 2,100 | 7 | |
| Chromium | 57 | | 12,000 | Below RSL |
| Cobalt | 16 | 420 | 2.3 | |
| Copper | 297 | | 310 | Below RSL |
| Cyanide | 1 | | 2.1 | Below RSL |
| Iron | 48,800 | | 5,500 | |
| Lead | 3,330 | | 40 | |
| Manganese | 1,660 | | 180 | |
| Mercury | 9.5 | | 2.3 | |
| Nickel | 36.3 | 15,000 | 150 | Below RSL |
| Selenium | 6.8 | | 39 | Below RSL |
| Silver | 24.7 | | 39 | Below RSL |
| Vanadium | 61.5 | | 39 | |
| Zinc | 6,000 | | 2,300 | |
| 230 | | | | |
| Aluminum | 22,000 | | 7,700 | |
| Arsenic | 98.2 | 0.67 | 3.4 | |
| Barium | 175 | | 1,500 | Below RSL |
| Beryllium | 0.39 | 1,600 | 16 | Below RSL |
| Cadmium | 1 | 2,100 | 7 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Navapue County, Arizona | | | | |
|---|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Chromium | 27.4 | 420 | 12,000 | Below RSL |
| Cobalt | 12.4 | | 2.3 | |
| Copper | 76 | | 310 | Below RSL |
| Cyanide | 0.61 | | 2.1 | Below RSL |
| Iron | 52,100 | | 5,500 | |
| Lead | 94.2 | | 40 | |
| Manganese | 1,290 | | 180 | |
| Mercury | 0.28 | 15,000 | 2.3 | Below RSL |
| Nickel | 18.7 | | 150 | Below RSL |
| Selenium | 0.97 | | 39 | Below RSL |
| Silver | 0.45 | | 39 | Below RSL |
| Vanadium | 65.2 | | 39 | |
| Zinc | 378 | | 2,300 | Below RSL |
| 2304 | | | | |
| Aluminum | 16,600 | 0.67 | 7,700 | |
| Arsenic | 41.6 | | 3.4 | |
| Barium | 151 | | 1,500 | Below RSL |
| Chromium | 16.7 | | 12,000 | Below RSL |
| Cobalt | 7.9 | | 420 | 2.3 |
| Copper | 30.1 | | 310 | Below RSL |
| Iron | 49,000 | | 5,500 | |
| Lead | 44.8 | 15,000 | 40 | |
| Manganese | 821 | | 180 | |
| Mercury | 0.027 | | 2.3 | Below RSL |
| Nickel | 12.5 | | 150 | Below RSL |
| Selenium | 0.62 | | 39 | Below RSL |
| Vanadium | 41.1 | | 39 | |
| Zinc | 222 | | 2,300 | Below RSL |
| 2305 | | | | |
| Aluminum | 19,600 | 0.67 | 7,700 | |
| Arsenic | 46 | | 3.4 | |
| Barium | 219 | | 1,500 | Below RSL |
| Beryllium | 0.68 | | 1,600 | 16 |
| Cadmium | 0.18 | | 2,100 | 7 |
| Chromium | 23.5 | | 12,000 | Below RSL |
| Cobalt | 10.9 | | 420 | 2.3 |
| Copper | 31.3 | 310 | Below RSL | |
| Iron | 34,800 | 15,000 | 5,500 | |
| Lead | 51.5 | | 40 | |
| Manganese | 677 | | 180 | |
| Mercury | 0.039 | | 2.3 | Below RSL |
| Nickel | 16.4 | | 150 | Below RSL |
| Vanadium | 57.5 | | 39 | |
| Zinc | 142 | | 2,300 | Below RSL |
| 2307 | | | | |
| Aluminum | 16,400 | 0.67 | 7,700 | |
| Arsenic | 26.9 | | 3.4 | |
| Barium | 183 | | 1,500 | Below RSL |
| Chromium | 19.2 | | 12,000 | Below RSL |
| Cobalt | 10.2 | | 420 | 2.3 |
| Copper | 28.1 | | 310 | Below RSL |
| Iron | 34,100 | | 5,500 | |
| Lead | 10.6 | 420 | 40 | Below RSL |
| Manganese | 642 | | 180 | |
| Nickel | 15.6 | | 150 | Below RSL |
| Selenium | 0.37 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 48.7 | | 39 | |
| Zinc | 112 | | 2,300 | Below RSL |
| 2308 | | | | |
| Aluminum | 24,300 | | 7,700 | |
| Arsenic | 58.3 | 0.67 | 3.4 | |
| Barium | 44.9 | | 1,500 | Below RSL |
| Beryllium | 0.2 | 1,600 | 16 | Below RSL |
| Chromium | 52.6 | | 12,000 | Below RSL |
| Cobalt | 31.5 | 420 | 2.3 | |
| Copper | 93.5 | | 310 | Below RSL |
| Iron | 52,800 | | 5,500 | |
| Lead | 25.1 | | 40 | Below RSL |
| Manganese | 1,130 | | 180 | |
| Mercury | 0.023 | | 2.3 | Below RSL |
| Nickel | 42.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.23 | | 39 | Below RSL |
| Vanadium | 192 | | 39 | |
| Zinc | 81.7 | | 2,300 | Below RSL |
| 231 | | | | |
| Aluminum | 13,100 | | 7,700 | |
| Arsenic | 30.2 | 0.67 | 3.4 | |
| Barium | 248 | | 1,500 | Below RSL |
| Beryllium | 0.59 | 1,600 | 16 | Below RSL |
| Cadmium | 2.3 | 2,100 | 7 | Below RSL |
| Chromium | 23.2 | | 12,000 | Below RSL |
| Cobalt | 12.4 | 420 | 2.3 | |
| Copper | 186 | | 310 | Below RSL |
| Cyanide | 0.49 | | 2.1 | Below RSL |
| Iron | 21,600 | | 5,500 | |
| Lead | 150 | | 40 | |
| Manganese | 680 | | 180 | |
| Mercury | 0.18 | | 2.3 | Below RSL |
| Nickel | 18.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.37 | | 39 | Below RSL |
| Silver | 0.63 | | 39 | Below RSL |
| Vanadium | 46.5 | | 39 | |
| Zinc | 322 | | 2,300 | Below RSL |
| 2310 | | | | |
| Aluminum | 21,900 | | 7,700 | |
| Arsenic | 21.1 | 0.67 | 3.4 | |
| Barium | 170 | | 1,500 | Below RSL |
| Chromium | 22.6 | | 12,000 | Below RSL |
| Cobalt | 11.5 | 420 | 2.3 | |
| Copper | 30.3 | | 310 | Below RSL |
| Iron | 41,800 | | 5,500 | |
| Lead | 14.5 | | 40 | Below RSL |
| Manganese | 671 | | 180 | |
| Mercury | 0.037 | | 2.3 | Below RSL |
| Nickel | 15.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.58 | | 39 | Below RSL |
| Vanadium | 51.1 | | 39 | |
| Zinc | 133 | | 2,300 | Below RSL |
| 2311 | | | | |
| Aluminum | 17,200 | | 7,700 | |
| Arsenic | 40.4 | 0.67 | 3.4 | |
| Barium | 141 | | 1,500 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Beryllium | 0.5 | 1,600 | 16 | Below RSL |
| Chromium | 19.3 | | 12,000 | Below RSL |
| Cobalt | 11.3 | 420 | 2.3 | |
| Copper | 33 | | 310 | Below RSL |
| Iron | 39,500 | | 5,500 | |
| Lead | 37.5 | | 40 | Below RSL |
| Manganese | 910 | | 180 | |
| Mercury | 0.076 | | 2.3 | Below RSL |
| Nickel | 14.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.56 | | 39 | Below RSL |
| Vanadium | 50.3 | | 39 | |
| Zinc | 136 | | 2,300 | Below RSL |
| 2312 | | | | |
| Aluminum | 20,200 | | 7,700 | |
| Arsenic | 56.1 | 0.67 | 3.4 | |
| Barium | 162 | | 1,500 | Below RSL |
| Chromium | 22.8 | | 12,000 | Below RSL |
| Cobalt | 10.8 | 420 | 2.3 | |
| Copper | 29.9 | | 310 | Below RSL |
| Iron | 88,300 | | 5,500 | |
| Lead | 25.8 | | 40 | Below RSL |
| Manganese | 2,420 | | 180 | |
| Mercury | 0.032 | | 2.3 | Below RSL |
| Nickel | 17.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.37 | | 39 | Below RSL |
| Vanadium | 50.5 | | 39 | |
| Zinc | 136 | | 2,300 | Below RSL |
| 2313 | | | | |
| Aluminum | 20,600 | | 7,700 | |
| Arsenic | 48.3 | 0.67 | 3.4 | |
| Barium | 173 | | 1,500 | Below RSL |
| Chromium | 22 | | 12,000 | Below RSL |
| Cobalt | 10.4 | 420 | 2.3 | |
| Copper | 55.6 | | 310 | Below RSL |
| Iron | 76,300 | | 5,500 | |
| Lead | 55.8 | | 40 | |
| Manganese | 1,630 | | 180 | |
| Mercury | 0.06 | | 2.3 | Below RSL |
| Nickel | 17.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.57 | | 39 | Below RSL |
| Vanadium | 40.5 | | 39 | |
| Zinc | 190 | | 2,300 | Below RSL |
| 2314 | | | | |
| Aluminum | 18,900 | | 7,700 | |
| Arsenic | 125 | 0.67 | 3.4 | |
| Barium | 143 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Cadmium | 0.16 | 2,100 | 7 | Below RSL |
| Chromium | 20.8 | | 12,000 | Below RSL |
| Cobalt | 8.7 | 420 | 2.3 | |
| Copper | 29.1 | | 310 | Below RSL |
| Iron | 82,800 | | 5,500 | |
| Lead | 36.7 | | 40 | Below RSL |
| Manganese | 5,050 | | 180 | |
| Mercury | 0.028 | | 2.3 | Below RSL |
| Nickel | 15.7 | 15,000 | 150 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Selenium | 0.58 | | 39 | Below RSL |
| Vanadium | 44 | | 39 | |
| Zinc | 147 | | 2,300 | Below RSL |
| 2315 | | | | |
| Aluminum | 21,400 | | 7,700 | |
| Arsenic | 39.3 | 0.67 | 3.4 | |
| Barium | 180 | | 1,500 | Below RSL |
| Beryllium | 0.63 | 1,600 | 16 | Below RSL |
| Chromium | 24.6 | | 12,000 | Below RSL |
| Cobalt | 12.9 | 420 | 2.3 | |
| Copper | 33.8 | | 310 | Below RSL |
| Iron | 69,800 | | 5,500 | |
| Lead | 28.9 | | 40 | Below RSL |
| Manganese | 1,190 | | 180 | |
| Mercury | 0.032 | | 2.3 | Below RSL |
| Nickel | 19.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.56 | | 39 | Below RSL |
| Vanadium | 53.2 | | 39 | |
| Zinc | 218 | | 2,300 | Below RSL |
| 2316 | | | | |
| Aluminum | 18,500 | | 7,700 | |
| Arsenic | 34.8 | 0.67 | 3.4 | |
| Barium | 178 | | 1,500 | Below RSL |
| Chromium | 16.6 | | 12,000 | Below RSL |
| Cobalt | 8.9 | 420 | 2.3 | |
| Copper | 24.9 | | 310 | Below RSL |
| Iron | 64,200 | | 5,500 | |
| Lead | 26.6 | | 40 | Below RSL |
| Manganese | 1,190 | | 180 | |
| Mercury | 0.019 | | 2.3 | Below RSL |
| Nickel | 14.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.46 | | 39 | Below RSL |
| Vanadium | 35.4 | | 39 | Below RSL |
| Zinc | 108 | | 2,300 | Below RSL |
| 2317 | | | | |
| Aluminum | 16,000 | | 7,700 | |
| Arsenic | 25.7 | 0.67 | 3.4 | |
| Barium | 154 | | 1,500 | Below RSL |
| Chromium | 15.1 | | 12,000 | Below RSL |
| Cobalt | 9.9 | 420 | 2.3 | |
| Copper | 36 | | 310 | Below RSL |
| Iron | 34,600 | | 5,500 | |
| Lead | 16 | | 40 | Below RSL |
| Manganese | 654 | | 180 | |
| Mercury | 0.04 | | 2.3 | Below RSL |
| Nickel | 15.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.5 | | 39 | Below RSL |
| Vanadium | 35.5 | | 39 | Below RSL |
| Zinc | 139 | | 2,300 | Below RSL |
| 2318 | | | | |
| Aluminum | 19,300 | | 7,700 | |
| Antimony | 0.36 | | 3.1 | Below RSL |
| Arsenic | 28 | 0.67 | 3.4 | |
| Barium | 173 | | 1,500 | Below RSL |
| Beryllium | 0.63 | 1,600 | 16 | Below RSL |
| Cadmium | 0.23 | 2,100 | 7 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 27.4 | | 12,000 | Below RSL |
| Cobalt | 10.9 | 420 | 2.3 | |
| Copper | 31.4 | | 310 | Below RSL |
| Iron | 35,300 | | 5,500 | |
| Lead | 47.3 | | 40 | |
| Manganese | 713 | | 180 | |
| Mercury | 0.033 | | 2.3 | Below RSL |
| Nickel | 19.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.56 | | 39 | Below RSL |
| Vanadium | 49.4 | | 39 | |
| Zinc | 176 | | 2,300 | Below RSL |
| 2319A | | | | |
| Aluminum | 24,200 | | 7,700 | |
| Antimony | 0.66 | | 3.1 | Below RSL |
| Arsenic | 144 | 0.67 | 3.4 | |
| Barium | 190 | | 1,500 | Below RSL |
| Beryllium | 0.71 | 1,600 | 16 | Below RSL |
| Cadmium | 0.53 | 2,100 | 7 | Below RSL |
| Chromium | 76.3 | | 12,000 | Below RSL |
| Cobalt | 32.4 | 420 | 2.3 | |
| Copper | 111 | | 310 | Below RSL |
| Iron | 57,900 | | 5,500 | |
| Lead | 45.8 | | 40 | |
| Manganese | 942 | | 180 | |
| Mercury | 0.16 | | 2.3 | Below RSL |
| Nickel | 55 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Vanadium | 126 | | 39 | |
| Zinc | 239 | | 2,300 | Below RSL |
| 232 | | | | |
| Aluminum | 17,900 | | 7,700 | |
| Antimony | 0.96 | | 3.1 | Below RSL |
| Arsenic | 48.3 | 0.67 | 3.4 | |
| Barium | 182 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Cadmium | 1.2 | 2,100 | 7 | Below RSL |
| Chromium | 26.8 | | 12,000 | Below RSL |
| Cobalt | 12.2 | 420 | 2.3 | |
| Copper | 1,640 | | 310 | |
| Cyanide | 0.25 | | 2.1 | Below RSL |
| Iron | 29,800 | | 5,500 | |
| Lead | 7,310 | | | |
| Manganese | 668 | | | |
| Mercury | 0.4 | | 2.3 | Below RSL |
| Nickel | 18.8 | 15,000 | 150 | Below RSL |
| Selenium | 2.5 | | 39 | Below RSL |
| Silver | 1.3 | | 39 | Below RSL |
| Vanadium | 59.2 | | 39 | |
| Zinc | 258 | | 2,300 | Below RSL |
| 2322 | | | | |
| Aluminum | 18,100 | | 7,700 | |
| Arsenic | 39.3 | 0.67 | 3.4 | |
| Barium | 512 | | 1,500 | Below RSL |
| Chromium | 22.3 | | 12,000 | Below RSL |
| Cobalt | 23.4 | 420 | 2.3 | |
| Copper | 49.5 | | 310 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 35,700 | | 5,500 | |
| Lead | 86.4 | | 40 | |
| Manganese | 2,950 | | 180 | |
| Mercury | 0.093 | | 2.3 | Below RSL |
| Nickel | 16 | 15,000 | 150 | Below RSL |
| Selenium | 0.85 | | 39 | Below RSL |
| Vanadium | 62.8 | | 39 | |
| Zinc | 239 | | 2,300 | Below RSL |
| 2323 | | | | |
| Aluminum | 28,500 | | 7,700 | |
| Arsenic | 38.2 | 0.67 | 3.4 | |
| Barium | 202 | | 1,500 | Below RSL |
| Beryllium | 1.1 | 1,600 | 16 | Below RSL |
| Cadmium | 0.1 | 2,100 | 7 | Below RSL |
| Chromium | 31.9 | | 12,000 | Below RSL |
| Cobalt | 12.1 | 420 | 2.3 | |
| Copper | 32.8 | | 310 | Below RSL |
| Iron | 34,300 | | 5,500 | |
| Lead | 58.4 | | 40 | |
| Manganese | 772 | | 180 | |
| Mercury | 0.023 | | 2.3 | Below RSL |
| Nickel | 21.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.77 | | 39 | Below RSL |
| Vanadium | 67.9 | | 39 | |
| Zinc | 200 | | 2,300 | Below RSL |
| 2324 | | | | |
| Aluminum | 14,200 | | 7,700 | |
| Arsenic | 264 | 0.67 | 3.4 | |
| Barium | 117 | | 1,500 | Below RSL |
| Beryllium | 0.5 | 1,600 | 16 | Below RSL |
| Chromium | 18.6 | | 12,000 | Below RSL |
| Cobalt | 9.5 | 420 | 2.3 | |
| Copper | 36 | | 310 | Below RSL |
| Iron | 30,900 | | 5,500 | |
| Lead | 195 | | 40 | |
| Manganese | 723 | | 180 | |
| Mercury | 0.016 | | 2.3 | Below RSL |
| Nickel | 15.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.43 | | 39 | Below RSL |
| Vanadium | 43.8 | | 39 | |
| Zinc | 527 | | 2,300 | Below RSL |
| 2325 | | | | |
| Aluminum | 17,600 | | 7,700 | |
| Arsenic | 52.8 | 0.67 | 3.4 | |
| Barium | 155 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Chromium | 24.6 | | 12,000 | Below RSL |
| Cobalt | 12.9 | 420 | 2.3 | |
| Copper | 47 | | 310 | Below RSL |
| Iron | 78,000 | | 5,500 | |
| Lead | 32.7 | | 40 | Below RSL |
| Manganese | 1,730 | | 180 | |
| Mercury | 0.041 | | 2.3 | Below RSL |
| Nickel | 20.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.6 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 57.2 | | 39 | |
| Zinc | 188 | | 2,300 | Below RSL |
| 2326 | | | | |
| Aluminum | 19,100 | | 7,700 | |
| Arsenic | 31.4 | 0.67 | 3.4 | |
| Barium | 110 | | 1,500 | Below RSL |
| Beryllium | 0.64 | 1,600 | 16 | Below RSL |
| Chromium | 22.6 | | 12,000 | Below RSL |
| Cobalt | 9.5 | 420 | 2.3 | |
| Copper | 143 | | 310 | Below RSL |
| Iron | 29,900 | | 5,500 | |
| Lead | 49 | | 40 | |
| Manganese | 644 | | 180 | |
| Mercury | 0.046 | | 2.3 | Below RSL |
| Nickel | 16.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.52 | | 39 | Below RSL |
| Vanadium | 55 | | 39 | |
| Zinc | 164 | | 2,300 | Below RSL |
| 2327 | | | | |
| Aluminum | 19,900 | | 7,700 | |
| Arsenic | 31.4 | 0.67 | 3.4 | |
| Barium | 137 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Cadmium | 0.24 | 2,100 | 7 | Below RSL |
| Chromium | 23.2 | | 12,000 | Below RSL |
| Cobalt | 10.8 | 420 | 2.3 | |
| Copper | 44 | | 310 | Below RSL |
| Iron | 31,900 | | 5,500 | |
| Lead | 30.4 | | 40 | Below RSL |
| Manganese | 707 | | 180 | |
| Mercury | 0.067 | | 2.3 | Below RSL |
| Nickel | 16.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.69 | | 39 | Below RSL |
| Vanadium | 49.3 | | 39 | |
| Zinc | 160 | | 2,300 | Below RSL |
| 2328 | | | | |
| Arsenic | 571 | 0.67 | 3.4 | |
| Iron | 45,000 | | 5,500 | |
| Lead | 412 | | 40 | |
| Manganese | 696 | | 180 | |
| Zinc | 1,040 | | 2,300 | Below RSL |
| 2329 | | | | |
| Aluminum | 20,700 | | 7,700 | |
| Arsenic | 72.8 | 0.67 | 3.4 | |
| Barium | 125 | | 1,500 | Below RSL |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Chromium | 23.3 | | 12,000 | Below RSL |
| Cobalt | 9.9 | 420 | 2.3 | |
| Copper | 37.3 | | 310 | Below RSL |
| Iron | 29,000 | | 5,500 | |
| Lead | 78.2 | | 40 | |
| Manganese | 574 | | 180 | |
| Mercury | 0.2 | | 2.3 | Below RSL |
| Nickel | 15.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.77 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 51.3 | | 39 | |
| Zinc | 332 | | 2,300 | Below RSL |
| 233 | | | | |
| Aluminum | 23,300 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |
| Arsenic | 152 | 0.67 | 3.4 | |
| Barium | 235 | | 1,500 | Below RSL |
| Beryllium | 0.79 | 1,600 | 16 | Below RSL |
| Cadmium | 5.1 | 2,100 | 7 | Below RSL |
| Chromium | 29.4 | | 12,000 | Below RSL |
| Cobalt | 15.9 | 420 | 2.3 | |
| Copper | 248 | | 310 | Below RSL |
| Cyanide | 0.82 | | 2.1 | Below RSL |
| Iron | 50,400 | | 5,500 | |
| Lead | 949 | | 40 | |
| Manganese | 748 | | 180 | |
| Mercury | 2.6 | | 2.3 | |
| Nickel | 27.4 | 15,000 | 150 | Below RSL |
| Selenium | 3.5 | | 39 | Below RSL |
| Silver | 2.1 | | 39 | Below RSL |
| Vanadium | 63.3 | | 39 | |
| Zinc | 1,490 | | 2,300 | Below RSL |
| 2330 | | | | |
| Aluminum | 19,200 | | 7,700 | |
| Arsenic | 73.9 | 0.67 | 3.4 | |
| Barium | 137 | | 1,500 | Below RSL |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Chromium | 20.3 | | 12,000 | Below RSL |
| Cobalt | 8.2 | 420 | 2.3 | |
| Copper | 24.5 | | 310 | Below RSL |
| Iron | 73,600 | | 5,500 | |
| Lead | 35.1 | | 40 | Below RSL |
| Manganese | 1,760 | | 180 | |
| Nickel | 14 | 15,000 | 150 | Below RSL |
| Selenium | 0.55 | | 39 | Below RSL |
| Vanadium | 43.3 | | 39 | |
| Zinc | 134 | | 2,300 | Below RSL |
| 234 and 45J | | | | |
| Aluminum | 19,200 | | 7,700 | |
| Antimony | 2.2 | | 3.1 | Below RSL |
| Arsenic | 40.7 | 0.67 | 3.4 | |
| Barium | 212 | | 1,500 | Below RSL |
| Beryllium | 0.83 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 25.6 | | 12,000 | Below RSL |
| Cobalt | 16.3 | 420 | 2.3 | |
| Copper | 194 | | 310 | Below RSL |
| Cyanide | 1 | | 2.1 | Below RSL |
| Iron | 30,200 | | 5,500 | |
| Lead | 184 | | 40 | |
| Manganese | 1,070 | | 180 | |
| Mercury | 0.65 | | 2.3 | Below RSL |
| Nickel | 28.7 | 15,000 | 150 | Below RSL |
| Silver | 3.2 | | 39 | Below RSL |
| Vanadium | 60.2 | | 39 | |
| Zinc | 495 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal County, Arizona | | | | |
|---|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 235 | | | | |
| Aluminum | 23,900 | | 7,700 | |
| Arsenic | 37.9 | 0.67 | 3.4 | |
| Barium | 792 | | 1,500 | Below RSL |
| Beryllium | 0.9 | 1,600 | 16 | Below RSL |
| Cadmium | 2 | 2,100 | 7 | Below RSL |
| Chromium | 43.2 | | 12,000 | Below RSL |
| Cobalt | 24.3 | 420 | 2.3 | |
| Copper | 567 | | 310 | |
| Cyanide | 2.5 | | 2.1 | |
| Iron | 32,300 | | 5,500 | |
| Lead | 69.8 | | 40 | |
| Manganese | 4,880 | | 180 | |
| Mercury | 0.85 | | 2.3 | Below RSL |
| Nickel | 57.2 | 15,000 | 150 | Below RSL |
| Vanadium | 60.7 | | 39 | |
| Zinc | 394 | | 2,300 | Below RSL |
| 236 and 85J | | | | |
| Aluminum | 22,200 | | 7,700 | |
| Arsenic | 52.3 | 0.67 | 3.4 | |
| Barium | 344 | | 1,500 | Below RSL |
| Beryllium | 0.77 | 1,600 | 16 | Below RSL |
| Cadmium | 2.2 | 2,100 | 7 | Below RSL |
| Chromium | 38.4 | | 12,000 | Below RSL |
| Cobalt | 20.2 | 420 | 2.3 | |
| Copper | 318 | | 310 | |
| Cyanide | 0.57 | | 2.1 | Below RSL |
| Iron | 31,600 | | 5,500 | |
| Lead | 150 | | 40 | |
| Manganese | 1,850 | | 180 | |
| Mercury | 0.28 | | 2.3 | Below RSL |
| Nickel | 40.3 | 15,000 | 150 | Below RSL |
| Vanadium | 61.1 | | 39 | |
| Zinc | 371 | | 2,300 | Below RSL |
| 237 | | | | |
| Aluminum | 27,100 | | 7,700 | |
| Antimony | 0.31 | | 3.1 | Below RSL |
| Arsenic | 73.7 | 0.67 | 3.4 | |
| Barium | 1,160 | | 1,500 | Below RSL |
| Beryllium | 1.2 | 1,600 | 16 | Below RSL |
| Cadmium | 1.4 | 2,100 | 7 | Below RSL |
| Chromium | 55.2 | | 12,000 | Below RSL |
| Cobalt | 22.7 | 420 | 2.3 | |
| Copper | 256 | | 310 | Below RSL |
| Cyanide | 0.7 | | 2.1 | Below RSL |
| Iron | 31,700 | | 5,500 | |
| Lead | 80.1 | | 40 | |
| Manganese | 2,350 | | 180 | |
| Mercury | 2.4 | | 2.3 | |
| Nickel | 98 | 15,000 | 150 | Below RSL |
| Thallium | 0.77 | | 0.078 | |
| Vanadium | 68 | | 39 | |
| Zinc | 167 | | 2,300 | Below RSL |
| 238 | | | | |
| Aluminum | 15,000 | | 7,700 | |
| Antimony | 1.4 | | 3.1 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Humboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Arsenic | 21.9 | 0.67 | 3.4 | |
| Barium | 343 | | 1,500 | Below RSL |
| Beryllium | 0.73 | 1,600 | 16 | Below RSL |
| Cadmium | 1.5 | 2,100 | 7 | Below RSL |
| Chromium | 20.4 | | 12,000 | Below RSL |
| Cobalt | 13.4 | 420 | 2.3 | |
| Copper | 112 | | 310 | Below RSL |
| Iron | 22,800 | | 5,500 | |
| Lead | 63.4 | | 40 | |
| Manganese | 983 | | 180 | |
| Mercury | 0.2 | | 2.3 | Below RSL |
| Nickel | 30.5 | 15,000 | 150 | Below RSL |
| Thallium | 0.058 | | 0.078 | Below RSL |
| Vanadium | 46.5 | | 39 | |
| Zinc | 173 | | 2,300 | Below RSL |
| 239 | | | | |
| Aluminum | 21,000 | | 7,700 | |
| Antimony | 1.5 | | 3.1 | Below RSL |
| Arsenic | 26.3 | 0.67 | 3.4 | |
| Barium | 322 | | 1,500 | Below RSL |
| Beryllium | 0.87 | 1,600 | 16 | Below RSL |
| Cadmium | 2.3 | 2,100 | 7 | Below RSL |
| Chromium | 35.5 | | 12,000 | Below RSL |
| Cobalt | 17.2 | 420 | 2.3 | |
| Copper | 227 | | 310 | Below RSL |
| Cyanide | 0.31 | | 2.1 | Below RSL |
| Iron | 31,300 | | 5,500 | |
| Lead | 87.3 | | 40 | |
| Manganese | 1,580 | | 180 | |
| Mercury | 0.084 | | 2.3 | Below RSL |
| Nickel | 40.1 | 15,000 | 150 | Below RSL |
| Thallium | 0.35 | | 0.078 | |
| Vanadium | 65.8 | | 39 | |
| Zinc | 287 | | 2,300 | Below RSL |
| 2393 | | | | |
| Aluminum | 18,100 | | 7,700 | |
| Antimony | 7.1 | | 3.1 | |
| Arsenic | 1,470 | 0.67 | 3.4 | |
| Barium | 139 | | 1,500 | Below RSL |
| Beryllium | 0.5 | 1,600 | 16 | Below RSL |
| Cadmium | 5 | 2,100 | 7 | Below RSL |
| Chromium | 16.8 | | 12,000 | Below RSL |
| Cobalt | 12.4 | 420 | 2.3 | |
| Copper | 142 | | 310 | Below RSL |
| Iron | 86,400 | | 5,500 | |
| Lead | 13,600 | | 40 | |
| Manganese | 942 | | 180 | |
| Mercury | 2.7 | | 2.3 | |
| Nickel | 11.9 | 15,000 | 150 | Below RSL |
| Selenium | 4.4 | | 39 | Below RSL |
| Silver | 3.4 | | 39 | Below RSL |
| Vanadium | 71.1 | | 39 | |
| Zinc | 6,320 | | 2,300 | |
| 2394 | | | | |
| Aluminum | 17,100 | | 7,700 | |
| Arsenic | 117 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal Counties, Arizona | | | | |
|---|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Barium | 159 | 420 | 1,500 | Below RSL |
| Chromium | 27.3 | | 12,000 | Below RSL |
| Cobalt | 16.5 | | 2.3 | Below RSL |
| Copper | 45.3 | | 310 | |
| Iron | 73,600 | | 5,500 | |
| Lead | 56.7 | 40 | | |
| Manganese | 1,520 | 180 | | |
| Mercury | 0.016 | 15,000 | 2.3 | Below RSL |
| Nickel | 24.3 | | 150 | Below RSL |
| Selenium | 0.64 | | 39 | Below RSL |
| Vanadium | 74 | | 39 | Below RSL |
| Zinc | 171 | | 2,300 | |
| 2396 | | | | |
| Arsenic | 51.6 | 0.67 | 3.4 | Below RSL |
| Iron | 62,700 | | 5,500 | |
| Lead | 25.1 | | 40 | |
| Manganese | 1,140 | | 180 | |
| Zinc | 137 | | 2,300 | |
| 240 | | | | |
| Aluminum | 20,400 | 0.67 | 7,700 | Below RSL |
| Arsenic | 34.2 | | 3.4 | |
| Barium | 309 | | 1,500 | |
| Beryllium | 0.75 | | 16 | |
| Cadmium | 3.8 | | 7 | |
| Chromium | 27.5 | 420 | 12,000 | Below RSL |
| Cobalt | 16.8 | | 2.3 | |
| Copper | 245 | | 310 | Below RSL |
| Cyanide | 0.34 | | 2.1 | Below RSL |
| Iron | 31,900 | | 5,500 | Below RSL |
| Lead | 112 | 40 | | |
| Manganese | 1,610 | 180 | | |
| Mercury | 0.63 | 2.3 | | |
| Nickel | 35.4 | 150 | | |
| Selenium | 0.63 | 39 | | |
| Silver | 0.59 | 39 | | |
| Vanadium | 55.5 | 39 | | |
| Zinc | 816 | 2,300 | | |
| 2401 | | | | |
| Aluminum | 18,300 | 0.67 | 7,700 | Below RSL |
| Arsenic | 90.5 | | 3.4 | |
| Barium | 179 | | 1,500 | |
| Chromium | 33.4 | | 12,000 | |
| Cobalt | 12.6 | | 2.3 | |
| Copper | 88.5 | 420 | 310 | Below RSL |
| Iron | 31,400 | | 5,500 | |
| Lead | 752 | | 40 | |
| Manganese | 694 | | 180 | |
| Mercury | 0.15 | | 2.3 | |
| Nickel | 23 | 15,000 | 150 | Below RSL |
| Selenium | 0.76 | | 39 | Below RSL |
| Vanadium | 65.3 | | 39 | Below RSL |
| Zinc | 1,230 | | 2,300 | |
| 2402 | | | | |
| Aluminum | 17,000 | 0.67 | 7,700 | Below RSL |
| Arsenic | 30.3 | | 3.4 | |
| Barium | 138 | | 1,500 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 23 | | 12,000 | Below RSL |
| Cobalt | 10.5 | 420 | 2.3 | |
| Copper | 109 | | 310 | Below RSL |
| Iron | 36,600 | | 5,500 | |
| Lead | 102 | | 40 | |
| Manganese | 613 | | 180 | |
| Mercury | 0.16 | | 2.3 | Below RSL |
| Nickel | 15.9 | 15,000 | 150 | Below RSL |
| Selenium | 1.3 | | 39 | Below RSL |
| Vanadium | 48.3 | | 39 | |
| Zinc | 264 | | 2,300 | Below RSL |
| 2403 | | | | |
| Arsenic | 86.1 | 0.67 | 3.4 | |
| Chromium | 27.3 | | 12,000 | Below RSL |
| Copper | 142 | | 310 | Below RSL |
| Iron | 37,000 | | 5,500 | |
| Lead | 233 | | 40 | |
| Manganese | 627 | | 180 | |
| Zinc | 545 | | 2,300 | Below RSL |
| 2404 | | | | |
| Aluminum | 21,600 | | 7,700 | |
| Arsenic | 34.8 | 0.67 | 3.4 | |
| Barium | 188 | | 1,500 | Below RSL |
| Chromium | 31.5 | | 12,000 | Below RSL |
| Cobalt | 11.6 | 420 | 2.3 | |
| Copper | 52.2 | | 310 | Below RSL |
| Iron | 31,900 | | 5,500 | |
| Lead | 204 | | 40 | |
| Manganese | 579 | | 180 | |
| Mercury | 0.03 | | 2.3 | Below RSL |
| Nickel | 22.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.67 | | 39 | Below RSL |
| Vanadium | 53.6 | | 39 | |
| Zinc | 394 | | 2,300 | Below RSL |
| 2406 | | | | |
| Aluminum | 16,500 | | 7,700 | |
| Antimony | 4.9 | | 3.1 | |
| Arsenic | 593 | 0.67 | 3.4 | |
| Barium | 172 | | 1,500 | Below RSL |
| Beryllium | 0.56 | 1,600 | 16 | Below RSL |
| Cadmium | 4.6 | 2,100 | 7 | Below RSL |
| Chromium | 26.8 | | 12,000 | Below RSL |
| Cobalt | 14.2 | 420 | 2.3 | |
| Copper | 1,040 | | 310 | |
| Iron | 95,600 | | 5,500 | |
| Lead | 8,990 | | 40 | |
| Manganese | 805 | | 180 | |
| Mercury | 2.5 | | 2.3 | |
| Nickel | 19.4 | 15,000 | 150 | Below RSL |
| Selenium | 5.9 | | 39 | Below RSL |
| Silver | 4.3 | | 39 | Below RSL |
| Vanadium | 71 | | 39 | |
| Zinc | 1,110 | | 2,300 | Below RSL |
| 2407 | | | | |
| Aluminum | 16,400 | | 7,700 | |
| Antimony | 0.53 | | 3.1 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Humboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Arsenic | 156 | 0.67 | 3.4 | |
| Barium | 127 | | 1,500 | Below RSL |
| Beryllium | 0.56 | 1,600 | 16 | Below RSL |
| Cadmium | 0.57 | 2,100 | 7 | Below RSL |
| Chromium | 26.8 | | 12,000 | Below RSL |
| Cobalt | 12.9 | 420 | 2.3 | |
| Copper | 54.3 | | 310 | Below RSL |
| Iron | 51,400 | | 5,500 | |
| Lead | 477 | | | |
| Manganese | 820 | | | |
| Mercury | 0.068 | | 2.3 | Below RSL |
| Nickel | 19.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.8 | | 39 | Below RSL |
| Vanadium | 71 | | 39 | |
| Zinc | 598 | | 2,300 | Below RSL |
| 2408 | | | | |
| Aluminum | 18,100 | | 7,700 | |
| Antimony | 6.6 | | 3.1 | |
| Arsenic | 254 | 0.67 | 3.4 | |
| Barium | 183 | | 1,500 | Below RSL |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Cadmium | 5.4 | 2,100 | 7 | Below RSL |
| Chromium | 60 | | 12,000 | Below RSL |
| Cobalt | 16.6 | 420 | 2.3 | |
| Copper | 1,400 | | 310 | |
| Iron | 57,800 | | 5,500 | |
| Lead | 2,460 | | 40 | |
| Manganese | 772 | | 180 | |
| Mercury | 2.6 | | 2.3 | |
| Nickel | 34 | 15,000 | 150 | Below RSL |
| Selenium | 8.3 | | 39 | Below RSL |
| Silver | 6.5 | | 39 | Below RSL |
| Vanadium | 58.8 | | 39 | |
| Zinc | 1,260 | | 2,300 | Below RSL |
| 2409 | | | | |
| Aluminum | 19,300 | | 7,700 | |
| Antimony | 1.5 | | 3.1 | Below RSL |
| Arsenic | 256 | 0.67 | 3.4 | |
| Barium | 198 | | 1,500 | Below RSL |
| Beryllium | 0.69 | 1,600 | 16 | Below RSL |
| Cadmium | 3 | 2,100 | 7 | Below RSL |
| Chromium | 28.9 | | 12,000 | Below RSL |
| Cobalt | 11.9 | 420 | 2.3 | |
| Copper | 1,440 | | 310 | |
| Iron | 45,100 | | 5,500 | |
| Lead | 1,790 | | 40 | |
| Manganese | 958 | | 180 | |
| Mercury | 0.31 | | 2.3 | Below RSL |
| Nickel | 19.1 | 15,000 | 150 | Below RSL |
| Selenium | 3.7 | | 39 | Below RSL |
| Vanadium | 55.3 | | 39 | |
| Zinc | 1,100 | | 2,300 | Below RSL |
| 241 | | | | |
| Aluminum | 18,300 | | 7,700 | |
| Antimony | 0.26 | | 3.1 | Below RSL |
| Arsenic | 28.7 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 185 | | 1,500 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |
| Cadmium | 0.27 | 2,100 | 7 | Below RSL |
| Chromium | 18.9 | | 12,000 | Below RSL |
| Cobalt | 12.4 | 420 | 2.3 | |
| Copper | 51.3 | | 310 | Below RSL |
| Cyanide | 0.35 | | 2.1 | Below RSL |
| Iron | 23,700 | | 5,500 | |
| Lead | 37.6 | | 40 | Below RSL |
| Manganese | 608 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 19.2 | 15,000 | 150 | Below RSL |
| Vanadium | 42 | | 39 | |
| Zinc | 143 | | 2,300 | Below RSL |
| 2410 | | | | |
| Aluminum | 15,900 | | 7,700 | |
| Antimony | 2.7 | | 3.1 | Below RSL |
| Arsenic | 419 | 0.67 | 3.4 | |
| Barium | 144 | | 1,500 | Below RSL |
| Cadmium | 2.5 | 2,100 | 7 | Below RSL |
| Chromium | 23.9 | | 12,000 | Below RSL |
| Cobalt | 10.1 | 420 | 2.3 | |
| Copper | 261 | | 310 | Below RSL |
| Iron | 89,200 | | 5,500 | |
| Lead | 3,030 | | 40 | |
| Manganese | 716 | | 180 | |
| Mercury | 0.65 | | 2.3 | Below RSL |
| Nickel | 16.6 | 15,000 | 150 | Below RSL |
| Selenium | 4.7 | | 39 | Below RSL |
| Vanadium | 47.9 | | 39 | |
| Zinc | 1,240 | | 2,300 | Below RSL |
| 2415 | | | | |
| Aluminum | 19,000 | | 7,700 | |
| Antimony | 2 | | 3.1 | Below RSL |
| Arsenic | 100 | 0.67 | 3.4 | |
| Barium | 140 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Cadmium | 1.3 | 2,100 | 7 | Below RSL |
| Chromium | 22.6 | | 12,000 | Below RSL |
| Cobalt | 11.3 | 420 | 2.3 | |
| Copper | 161 | | 310 | Below RSL |
| Iron | 36,200 | | 5,500 | |
| Lead | 459 | | 40 | |
| Manganese | 738 | | 180 | |
| Mercury | 0.45 | | 2.3 | Below RSL |
| Nickel | 18 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Vanadium | 63 | | 39 | |
| Zinc | 412 | | 2,300 | Below RSL |
| 2416 | | | | |
| Aluminum | 17,900 | | 7,700 | |
| Arsenic | 69.5 | 0.67 | 3.4 | |
| Barium | 187 | | 1,500 | Below RSL |
| Beryllium | 0.75 | 1,600 | 16 | Below RSL |
| Chromium | 26.5 | | 12,000 | Below RSL |
| Cobalt | 13.2 | 420 | 2.3 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Copper | 133 | | 310 | Below RSL |
| Iron | 37,600 | | 5,500 | |
| Lead | 255 | | 40 | |
| Manganese | 613 | | 180 | |
| Mercury | 0.21 | | 2.3 | Below RSL |
| Nickel | 19.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.91 | | 39 | Below RSL |
| Vanadium | 61.4 | | 39 | |
| Zinc | 610 | | 2,300 | Below RSL |
| 2417 | | | | |
| Aluminum | 19,200 | | 7,700 | |
| Antimony | 3.6 | | 3.1 | |
| Arsenic | 87.1 | 0.67 | 3.4 | |
| Barium | 177 | | 1,500 | Below RSL |
| Beryllium | 0.68 | 1,600 | 16 | Below RSL |
| Chromium | 37.7 | | 12,000 | Below RSL |
| Cobalt | 13 | 420 | 2.3 | |
| Copper | 170 | | 310 | Below RSL |
| Iron | 39,700 | | 5,500 | |
| Lead | 499 | | 40 | |
| Manganese | 799 | | 180 | |
| Mercury | 0.21 | | 2.3 | Below RSL |
| Nickel | 24.8 | 15,000 | 150 | Below RSL |
| Selenium | 1.2 | | 39 | Below RSL |
| Vanadium | 59.7 | | 39 | |
| Zinc | 494 | | 2,300 | Below RSL |
| 242 | | | | |
| Aluminum | 25,400 | | 7,700 | |
| Antimony | 0.64 | | 3.1 | Below RSL |
| Arsenic | 82.8 | 0.67 | 3.4 | |
| Barium | 288 | | 1,500 | Below RSL |
| Beryllium | 0.76 | 1,600 | 16 | Below RSL |
| Cadmium | 0.68 | 2,100 | 7 | Below RSL |
| Chromium | 52.3 | | 12,000 | Below RSL |
| Cobalt | 26 | 420 | 2.3 | |
| Copper | 89.2 | | 310 | Below RSL |
| Cyanide | 0.45 | | 2.1 | Below RSL |
| Iron | 39,200 | | 5,500 | |
| Lead | 40.4 | | 40 | |
| Manganese | 1,410 | | 180 | |
| Mercury | 0.15 | | 2.3 | Below RSL |
| Nickel | 59 | 15,000 | 150 | Below RSL |
| Thallium | 0.94 | | 0.078 | |
| Vanadium | 82.1 | | 39 | |
| Zinc | 133 | | 2,300 | Below RSL |
| 2420 | | | | |
| Aluminum | 21,100 | | 7,700 | |
| Arsenic | 48.3 | 0.67 | 3.4 | |
| Barium | 126 | | 1,500 | Below RSL |
| Beryllium | 0.72 | 1,600 | 16 | Below RSL |
| Cadmium | 0.27 | 2,100 | 7 | Below RSL |
| Chromium | 24.8 | | 12,000 | Below RSL |
| Cobalt | 12.2 | 420 | 2.3 | |
| Copper | 44.9 | | 310 | Below RSL |
| Iron | 39,200 | | 5,500 | |
| Lead | 86.6 | | 40 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Manganese | 723 | | 180 | |
| Nickel | 14.5 | 15,000 | 150 | Below RSL |
| Vanadium | 67.4 | | 39 | |
| Zinc | 297 | | 2,300 | Below RSL |
| 2422 | | | | |
| Aluminum | 24,000 | | 7,700 | |
| Arsenic | 75 | 0.67 | 3.4 | |
| Barium | 184 | | 1,500 | Below RSL |
| Beryllium | 0.78 | 1,600 | 16 | Below RSL |
| Cadmium | 0.43 | 2,100 | 7 | Below RSL |
| Chromium | 28.1 | | 12,000 | Below RSL |
| Cobalt | 11 | 420 | 2.3 | |
| Copper | 60.5 | | 310 | Below RSL |
| Iron | 38,200 | | 5,500 | |
| Lead | 141 | | 40 | |
| Manganese | 708 | | 180 | |
| Mercury | 0.12 | | 2.3 | Below RSL |
| Nickel | 24.5 | 15,000 | 150 | Below RSL |
| Selenium | 1.2 | | 39 | Below RSL |
| Silver | 0.16 | | 39 | Below RSL |
| Vanadium | 61 | | 39 | |
| Zinc | 617 | | 2,300 | Below RSL |
| 2425 | | | | |
| Aluminum | 14,900 | | 7,700 | |
| Arsenic | 25.7 | 0.67 | 3.4 | |
| Barium | 101 | | 1,500 | Below RSL |
| Chromium | 17.8 | | 12,000 | Below RSL |
| Cobalt | 14.5 | 420 | 2.3 | |
| Copper | 77.4 | | 310 | Below RSL |
| Iron | 46,000 | | 5,500 | |
| Lead | 39.9 | | 40 | Below RSL |
| Manganese | 958 | | 180 | |
| Mercury | 0.024 | | 2.3 | Below RSL |
| Nickel | 11.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.57 | | 39 | Below RSL |
| Vanadium | 80.2 | | 39 | |
| Zinc | 280 | | 2,300 | Below RSL |
| 2426 | | | | |
| Aluminum | 21,000 | | 7,700 | |
| Arsenic | 397 | 0.67 | 3.4 | |
| Barium | 177 | | 1,500 | Below RSL |
| Beryllium | 0.6 | 1,600 | 16 | Below RSL |
| Chromium | 27.1 | | 12,000 | Below RSL |
| Cobalt | 9.7 | 420 | 2.3 | |
| Copper | 42 | | 310 | Below RSL |
| Iron | 92,200 | | 5,500 | |
| Lead | 304 | | 40 | |
| Manganese | 6,310 | | 180 | |
| Mercury | 0.058 | | 2.3 | Below RSL |
| Nickel | 18.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.63 | | 39 | Below RSL |
| Vanadium | 60.4 | | 39 | |
| Zinc | 212 | | 2,300 | Below RSL |
| 2427 | | | | |
| Aluminum | 18,300 | | 7,700 | |
| Arsenic | 44.9 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 150 | | 1,500 | Below RSL |
| Chromium | 20.1 | | 12,000 | Below RSL |
| Cobalt | 7.7 | 420 | 2.3 | |
| Copper | 32.5 | | 310 | Below RSL |
| Iron | 25,400 | | 5,500 | |
| Lead | 98.1 | | 40 | |
| Manganese | 565 | | 180 | |
| Nickel | 14.4 | 15,000 | 150 | Below RSL |
| Vanadium | 41.4 | | 39 | |
| Zinc | 245 | | 2,300 | Below RSL |
| 2428 | | | | |
| Aluminum | 19,700 | | 7,700 | |
| Arsenic | 63.9 | 0.67 | 3.4 | |
| Barium | 189 | | 1,500 | Below RSL |
| Chromium | 25.2 | | 12,000 | Below RSL |
| Cobalt | 9.4 | 420 | 2.3 | |
| Copper | 48.6 | | 310 | Below RSL |
| Iron | 35,500 | | 5,500 | |
| Lead | 125 | | 40 | |
| Manganese | 630 | | 180 | |
| Mercury | 0.14 | | 2.3 | Below RSL |
| Nickel | 16.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.91 | | 39 | Below RSL |
| Vanadium | 59.6 | | 39 | |
| Zinc | 416 | | 2,300 | Below RSL |
| 2429 | | | | |
| Aluminum | 18,200 | | 7,700 | |
| Arsenic | 38.2 | 0.67 | 3.4 | |
| Barium | 246 | | 1,500 | Below RSL |
| Chromium | 21.4 | | 12,000 | Below RSL |
| Cobalt | 9.3 | 420 | 2.3 | |
| Copper | 124 | | 310 | Below RSL |
| Iron | 32,000 | | 5,500 | |
| Lead | 245 | | 40 | |
| Manganese | 575 | | 180 | |
| Mercury | 0.21 | | 2.3 | Below RSL |
| Nickel | 14.4 | 15,000 | 150 | Below RSL |
| Vanadium | 52.2 | | 39 | |
| Zinc | 217 | | 2,300 | Below RSL |
| 243 | | | | |
| Aluminum | 23,400 | | 7,700 | |
| Arsenic | 28.8 | 0.67 | 3.4 | |
| Barium | 486 | | 1,500 | Below RSL |
| Beryllium | 0.78 | 1,600 | 16 | Below RSL |
| Cadmium | 0.69 | 2,100 | 7 | Below RSL |
| Chromium | 38.6 | | 12,000 | Below RSL |
| Cobalt | 20.1 | 420 | 2.3 | |
| Copper | 82.2 | | 310 | Below RSL |
| Cyanide | 0.47 | | 2.1 | Below RSL |
| Iron | 30,300 | | 5,500 | |
| Lead | 89.6 | | 40 | |
| Manganese | 1,100 | | 180 | |
| Mercury | 0.55 | | 2.3 | Below RSL |
| Nickel | 45.1 | 15,000 | 150 | Below RSL |
| Vanadium | 58.1 | | 39 | |
| Zinc | 383 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Pinal, and Yavapai Counties, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 2430 | | | | |
| Aluminum | 26,000 | | 7,700 | |
| Arsenic | 49.4 | 0.67 | 3.4 | |
| Barium | 179 | | 1,500 | Below RSL |
| Beryllium | 0.56 | 1,600 | 16 | Below RSL |
| Chromium | 25.1 | | 12,000 | Below RSL |
| Cobalt | 18 | 420 | 2.3 | |
| Copper | 63 | | 310 | Below RSL |
| Iron | 47,000 | | 5,500 | |
| Lead | 565 | | 40 | |
| Manganese | 940 | | 180 | |
| Mercury | 0.33 | | 2.3 | Below RSL |
| Nickel | 17 | 15,000 | 150 | Below RSL |
| Vanadium | 91 | | 39 | |
| Zinc | 490 | | 2,300 | Below RSL |
| 2433 | | | | |
| Aluminum | 16,400 | | 7,700 | |
| Arsenic | 85 | 0.67 | 3.4 | |
| Barium | 164 | | 1,500 | Below RSL |
| Chromium | 26.6 | | 12,000 | Below RSL |
| Cobalt | 11.6 | 420 | 2.3 | |
| Copper | 60.8 | | 310 | Below RSL |
| Iron | 41,600 | | 5,500 | |
| Lead | 148 | | 40 | |
| Manganese | 748 | | 180 | |
| Mercury | 0.16 | | 2.3 | Below RSL |
| Nickel | 17.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.69 | | 39 | Below RSL |
| Vanadium | 56.1 | | 39 | |
| Zinc | 1,470 | | 2,300 | Below RSL |
| 2434 | | | | |
| Aluminum | 15,700 | | 7,700 | |
| Arsenic | 67.3 | 0.67 | 3.4 | |
| Barium | 361 | | 1,500 | Below RSL |
| Chromium | 25.2 | | 12,000 | Below RSL |
| Cobalt | 10.8 | 420 | 2.3 | |
| Copper | 76.1 | | 310 | Below RSL |
| Iron | 32,800 | | 5,500 | |
| Lead | 167 | | 40 | |
| Manganese | 595 | | 180 | |
| Mercury | 0.16 | | 2.3 | Below RSL |
| Nickel | 20.4 | 15,000 | 150 | Below RSL |
| Vanadium | 50 | | 39 | |
| Zinc | 394 | | 2,300 | Below RSL |
| 2435 | | | | |
| Aluminum | 20,500 | | 7,700 | |
| Arsenic | 164 | 0.67 | 3.4 | |
| Barium | 181 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 1.5 | 2,100 | 7 | Below RSL |
| Chromium | 31.8 | | 12,000 | Below RSL |
| Cobalt | 10.8 | 420 | 2.3 | |
| Copper | 80.1 | | 310 | Below RSL |
| Iron | 43,600 | | 5,500 | |
| Lead | 174 | | 40 | |
| Manganese | 1,290 | | 180 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Mercury | 0.26 | | 2.3 | Below RSL |
| Nickel | 18.9 | 15,000 | 150 | Below RSL |
| Selenium | 1 | | 39 | Below RSL |
| Silver | 0.36 | | 39 | Below RSL |
| Vanadium | 69.6 | | 39 | |
| Zinc | 473 | | 2,300 | Below RSL |
| 2437A | | | | |
| Aluminum | 15,900 | | 7,700 | |
| Arsenic | 32.3 | 0.67 | 3.4 | |
| Barium | 99.2 | | 1,500 | Below RSL |
| Chromium | 25.2 | | 12,000 | Below RSL |
| Cobalt | 11.5 | 420 | 2.3 | |
| Copper | 36.3 | | 310 | Below RSL |
| Iron | 29,000 | | 5,500 | |
| Lead | 48.1 | | 40 | |
| Manganese | 529 | | 180 | |
| Mercury | 0.049 | | 2.3 | Below RSL |
| Nickel | 14.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.59 | | 39 | Below RSL |
| Vanadium | 68.4 | | 39 | |
| Zinc | 139 | | 2,300 | Below RSL |
| 2439A | | | | |
| Aluminum | 19,600 | | 7,700 | |
| Arsenic | 49.3 | 0.67 | 3.4 | |
| Barium | 168 | | 1,500 | Below RSL |
| Chromium | 24.8 | | 12,000 | Below RSL |
| Cobalt | 10.1 | 420 | 2.3 | |
| Copper | 72.1 | | 310 | Below RSL |
| Iron | 31,100 | | 5,500 | |
| Lead | 86.3 | | 40 | |
| Manganese | 648 | | 180 | |
| Mercury | 0.31 | | 2.3 | Below RSL |
| Nickel | 16.9 | 15,000 | 150 | Below RSL |
| Vanadium | 65 | | 39 | |
| Zinc | 222 | | 2,300 | Below RSL |
| 2444 | | | | |
| Aluminum | 13,300 | | 7,700 | |
| Antimony | 1.9 | | 3.1 | Below RSL |
| Arsenic | 778 | 0.67 | 3.4 | |
| Barium | 92.6 | | 1,500 | Below RSL |
| Cadmium | 1.9 | 2,100 | 7 | Below RSL |
| Chromium | 18.6 | | 12,000 | Below RSL |
| Cobalt | 16.9 | 420 | 2.3 | |
| Copper | 39.5 | | 310 | Below RSL |
| Iron | 58,800 | | 5,500 | |
| Lead | 2,120 | | 40 | |
| Manganese | 598 | | 180 | |
| Mercury | 0.55 | | 2.3 | Below RSL |
| Nickel | 13.1 | 15,000 | 150 | Below RSL |
| Selenium | 1.9 | | 39 | Below RSL |
| Thallium | 0.16 | | 0.078 | |
| Vanadium | 92.6 | | 39 | |
| Zinc | 685 | | 2,300 | Below RSL |
| 2449 | | | | |
| Aluminum | 11,900 | | 7,700 | |
| Arsenic | 50.5 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 109 | | 1,500 | Below RSL |
| Beryllium | 0.53 | 1,600 | 16 | Below RSL |
| Chromium | 17 | | 12,000 | Below RSL |
| Cobalt | 11.7 | 420 | 2.3 | |
| Copper | 35.9 | | 310 | Below RSL |
| Iron | 34,500 | | 5,500 | |
| Lead | 33.6 | | 40 | Below RSL |
| Manganese | 832 | | 180 | |
| Mercury | 0.11 | | 2.3 | Below RSL |
| Nickel | 12.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.66 | | 39 | Below RSL |
| Vanadium | 67.4 | | 39 | |
| Zinc | 146 | | 2,300 | Below RSL |
| 245 | | | | |
| Aluminum | 21,700 | | 7,700 | |
| Arsenic | 18.2 | 0.67 | 3.4 | |
| Barium | 278 | | 1,500 | Below RSL |
| Beryllium | 0.061 | 1,600 | 16 | Below RSL |
| Cadmium | 0.73 | 2,100 | 7 | Below RSL |
| Chromium | 33.6 | | 12,000 | Below RSL |
| Cobalt | 24.6 | 420 | 2.3 | |
| Copper | 42.1 | | 310 | Below RSL |
| Cyanide | 0.37 | | 2.1 | Below RSL |
| Iron | 32,200 | | 5,500 | |
| Lead | 10.9 | | 40 | Below RSL |
| Manganese | 997 | | 180 | |
| Mercury | 0.047 | | 2.3 | Below RSL |
| Nickel | 147 | 15,000 | 150 | Below RSL |
| Selenium | 2.4 | | 39 | Below RSL |
| Vanadium | 59.2 | | 39 | |
| Zinc | 79.9 | | 2,300 | Below RSL |
| 2456 | | | | |
| Arsenic | 25.7 | 0.67 | 3.4 | |
| Chromium | 33.2 | | 12,000 | Below RSL |
| Copper | 25 | | 310 | Below RSL |
| Iron | 36,000 | | 5,500 | |
| Lead | 13.8 | | 40 | Below RSL |
| Manganese | 719 | | 180 | |
| Zinc | 86.6 | | 2,300 | Below RSL |
| 2457 | | | | |
| Aluminum | 10,100 | | 7,700 | |
| Arsenic | 29.1 | 0.67 | 3.4 | |
| Barium | 157 | | 1,500 | Below RSL |
| Chromium | 13.9 | | 12,000 | Below RSL |
| Cobalt | 11.7 | 420 | 2.3 | |
| Copper | 19.7 | | 310 | Below RSL |
| Iron | 30,600 | | 5,500 | |
| Lead | 26.6 | | 40 | Below RSL |
| Manganese | 697 | | 180 | |
| Nickel | 18.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.32 | | 39 | Below RSL |
| Silver | 0.82 | | 39 | Below RSL |
| Thallium | 0.87 | | 0.078 | |
| Vanadium | 33.3 | | 39 | Below RSL |
| Zinc | 105 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Navapo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 2458 | | | | |
| Aluminum | 20,300 | | 7,700 | |
| Arsenic | 23.4 | 0.67 | 3.4 | |
| Barium | 152 | | 1,500 | Below RSL |
| Chromium | 29.9 | | 12,000 | Below RSL |
| Cobalt | 12.7 | 420 | 2.3 | |
| Copper | 31.6 | | 310 | Below RSL |
| Iron | 34,300 | | 5,500 | |
| Lead | 19.3 | | 40 | Below RSL |
| Manganese | 678 | | 180 | |
| Mercury | 0.012 | | 2.3 | Below RSL |
| Nickel | 22.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.61 | | 39 | Below RSL |
| Vanadium | 56.7 | | 39 | |
| Zinc | 58.8 | | 2,300 | Below RSL |
| 2459A | | | | |
| Arsenic | 25.7 | 0.67 | 3.4 | |
| Chromium | 25.5 | | 12,000 | Below RSL |
| Copper | 27.5 | | 310 | Below RSL |
| Iron | 33,600 | | 5,500 | |
| Lead | 8.17 | | 40 | Below RSL |
| Manganese | 660 | | 180 | |
| Zinc | 92.3 | | 2,300 | Below RSL |
| 2459B | | | | |
| Aluminum | 17,000 | | 7,700 | |
| Arsenic | 75 | 0.67 | 3.4 | |
| Barium | 166 | | 1,500 | Below RSL |
| Chromium | 27.7 | | 12,000 | Below RSL |
| Cobalt | 12.5 | 420 | 2.3 | |
| Copper | 26.1 | | 310 | Below RSL |
| Iron | 37,000 | | 5,500 | |
| Lead | 7.7 | | 40 | Below RSL |
| Manganese | 628 | | 180 | |
| Nickel | 27.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.32 | | 39 | Below RSL |
| Vanadium | 44.8 | | 39 | |
| Zinc | 79.8 | | 2,300 | Below RSL |
| 246 and 30W | | | | |
| Aluminum | 17,600 | | 7,700 | |
| Antimony | 46.3 | | 3.1 | |
| Arsenic | 1,630 | 0.67 | 3.4 | |
| Barium | 316 | | 1,500 | Below RSL |
| Beryllium | 1 | 1,600 | 16 | Below RSL |
| Cadmium | 9.3 | 2,100 | 7 | |
| Chromium | 30.5 | | 12,000 | Below RSL |
| Cobalt | 16.3 | 420 | 2.3 | |
| Copper | 264 | | 310 | Below RSL |
| Cyanide | 1.2 | | 2.1 | Below RSL |
| Iron | 51,600 | | 5,500 | |
| Lead | 2,120 | | 40 | |
| Manganese | 1,120 | | 180 | |
| Mercury | 5 | | 2.3 | |
| Nickel | 30 | 15,000 | 150 | Below RSL |
| Selenium | 8.4 | | 39 | Below RSL |
| Silver | 15.9 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 67.1 | | 39 | |
| Zinc | 2,010 | | 2,300 | Below RSL |
| 2462 | | | | |
| Aluminum | 20,400 | | 7,700 | |
| Arsenic | 25.7 | 0.67 | 3.4 | |
| Barium | 217 | | 1,500 | Below RSL |
| Chromium | 32.9 | | 12,000 | Below RSL |
| Cobalt | 13.2 | 420 | 2.3 | |
| Copper | 27.6 | | 310 | Below RSL |
| Iron | 37,400 | | 5,500 | |
| Lead | 9.6 | | 40 | Below RSL |
| Manganese | 1,390 | | 180 | |
| Mercury | 0.014 | | 2.3 | Below RSL |
| Nickel | 25.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.6 | | 39 | Below RSL |
| Vanadium | 64.6 | | 39 | |
| Zinc | 76.9 | | 2,300 | Below RSL |
| 247 | | | | |
| Aluminum | 20,000 | | 7,700 | |
| Antimony | 35.2 | | 3.1 | |
| Arsenic | 785 | 0.67 | 3.4 | |
| Barium | 259 | | 1,500 | Below RSL |
| Beryllium | 0.52 | 1,600 | 16 | Below RSL |
| Cadmium | 4.4 | 2,100 | 7 | Below RSL |
| Chromium | 24.7 | | 12,000 | Below RSL |
| Cobalt | 14.8 | 420 | 2.3 | |
| Copper | 126 | | 310 | Below RSL |
| Cyanide | 0.66 | | 2.1 | Below RSL |
| Iron | 28,500 | | 5,500 | |
| Lead | 1,170 | | 40 | |
| Manganese | 644 | | 180 | |
| Mercury | 4.4 | | 2.3 | |
| Nickel | 23.5 | 15,000 | 150 | Below RSL |
| Selenium | 15.6 | | 39 | Below RSL |
| Silver | 2.2 | | 39 | Below RSL |
| Vanadium | 40.2 | | 39 | |
| Zinc | 769 | | 2,300 | Below RSL |
| 248 | | | | |
| Aluminum | 21,900 | | 7,700 | |
| Arsenic | 38.1 | 0.67 | 3.4 | |
| Barium | 401 | | 1,500 | Below RSL |
| Beryllium | 0.79 | 1,600 | 16 | Below RSL |
| Cadmium | 6.7 | 2,100 | 7 | Below RSL |
| Chromium | 35 | | 12,000 | Below RSL |
| Cobalt | 21.1 | 420 | 2.3 | |
| Copper | 589 | | 310 | |
| Cyanide | 0.69 | | 2.1 | Below RSL |
| Iron | 29,300 | | 5,500 | |
| Lead | 201 | | 40 | |
| Manganese | 2,300 | | 180 | |
| Mercury | 0.25 | | 2.3 | Below RSL |
| Nickel | 48 | 15,000 | 150 | Below RSL |
| Selenium | 2.1 | | 39 | Below RSL |
| Vanadium | 53.6 | | 39 | |
| Zinc | 392 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 249 | | | | |
| Aluminum | 18,000 | | 7,700 | |
| Arsenic | 15.4 | 0.67 | 3.4 | |
| Barium | 479 | | 1,500 | Below RSL |
| Beryllium | 0.74 | 1,600 | 16 | Below RSL |
| Chromium | 23.7 | | 12,000 | Below RSL |
| Cobalt | 14.8 | 420 | 2.3 | |
| Copper | 25.2 | | 310 | Below RSL |
| Cyanide | 0.37 | | 2.1 | Below RSL |
| Iron | 27,200 | | 5,500 | |
| Lead | 19.3 | | 40 | Below RSL |
| Manganese | 1,130 | | 180 | |
| Nickel | 22.1 | 15,000 | 150 | Below RSL |
| Vanadium | 51 | | 39 | |
| Zinc | 56.9 | | 2,300 | Below RSL |
| 2490 | | | | |
| Aluminum | 21,300 | | 7,700 | |
| Arsenic | 65.4 | 0.67 | 3.4 | |
| Barium | 177 | | 1,500 | Below RSL |
| Chromium | 26.7 | | 12,000 | Below RSL |
| Cobalt | 15.8 | 420 | 2.3 | |
| Copper | 85.3 | | 310 | Below RSL |
| Iron | 54,000 | | 5,500 | |
| Lead | 396 | | 40 | |
| Manganese | 846 | | 180 | |
| Mercury | 0.065 | | 2.3 | Below RSL |
| Nickel | 15 | 15,000 | 150 | Below RSL |
| Selenium | 0.73 | | 39 | Below RSL |
| Vanadium | 98.9 | | 39 | |
| Zinc | 651 | | 2,300 | Below RSL |
| 2502 | | | | |
| Aluminum | 23,000 | | 7,700 | |
| Arsenic | 63.9 | 0.67 | 3.4 | |
| Barium | 159 | | 1,500 | Below RSL |
| Beryllium | 0.71 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 27.5 | | 12,000 | Below RSL |
| Cobalt | 12.7 | 420 | 2.3 | |
| Copper | 146 | | 310 | Below RSL |
| Iron | 36,300 | | 5,500 | |
| Lead | 347 | | 40 | |
| Manganese | 674 | | 180 | |
| Mercury | 0.3 | | 2.3 | Below RSL |
| Nickel | 22.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.94 | | 39 | Below RSL |
| Vanadium | 55.4 | | 39 | |
| Zinc | 540 | | 2,300 | Below RSL |
| 2504 | | | | |
| Aluminum | 19,800 | | 7,700 | |
| Arsenic | 49.4 | 0.67 | 3.4 | |
| Barium | 175 | | 1,500 | Below RSL |
| Chromium | 25.4 | | 12,000 | Below RSL |
| Cobalt | 10.1 | 420 | 2.3 | |
| Copper | 33.7 | | 310 | Below RSL |
| Iron | 75,200 | | 5,500 | |
| Lead | 66.4 | | 40 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Manganese | 1,900 | | 180 | |
| Mercury | 0.045 | | 2.3 | Below RSL |
| Nickel | 17.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.88 | | 39 | Below RSL |
| Vanadium | 52.2 | | 39 | |
| Zinc | 277 | | 2,300 | Below RSL |
| 2505 | | | | |
| Aluminum | 17,000 | | 7,700 | |
| Antimony | 0.87 | | 3.1 | Below RSL |
| Arsenic | 56.1 | 0.67 | 3.4 | |
| Barium | 154 | | 1,500 | Below RSL |
| Beryllium | 0.69 | 1,600 | 16 | Below RSL |
| Cadmium | 1.2 | 2,100 | 7 | Below RSL |
| Chromium | 26.6 | | 12,000 | Below RSL |
| Cobalt | 13.1 | 420 | 2.3 | |
| Copper | 221 | | 310 | Below RSL |
| Iron | 44,900 | | 5,500 | |
| Lead | 101 | | 40 | |
| Manganese | 1,170 | | 180 | |
| Mercury | 0.23 | | 2.3 | Below RSL |
| Nickel | 19 | 15,000 | 150 | Below RSL |
| Selenium | 0.93 | | 39 | Below RSL |
| Vanadium | 68 | | 39 | |
| Zinc | 389 | | 2,300 | Below RSL |
| 2507 | | | | |
| Arsenic | 51.6 | 0.67 | 3.4 | |
| Chromium | 30.5 | | 12,000 | Below RSL |
| Copper | 36.5 | | 310 | Below RSL |
| Iron | 35,800 | | 5,500 | |
| Lead | 58.4 | | 40 | |
| Manganese | 802 | | 180 | |
| Zinc | 194 | | 2,300 | Below RSL |
| 2508 | | | | |
| Aluminum | 30,400 | | 7,700 | |
| Arsenic | 32.5 | 0.67 | 3.4 | |
| Barium | 179 | | 1,500 | Below RSL |
| Chromium | 30.6 | | 12,000 | Below RSL |
| Cobalt | 9.9 | 420 | 2.3 | |
| Copper | 37.7 | | 310 | Below RSL |
| Iron | 37,600 | | 5,500 | |
| Lead | 24.4 | | 40 | Below RSL |
| Manganese | 1,020 | | 180 | |
| Nickel | 19.3 | 15,000 | 150 | Below RSL |
| Vanadium | 78.6 | | 39 | |
| Zinc | 301 | | 2,300 | Below RSL |
| 2509 | | | | |
| Aluminum | 22,000 | | 7,700 | |
| Arsenic | 23.4 | 0.67 | 3.4 | |
| Barium | 152 | | 1,500 | Below RSL |
| Beryllium | 0.41 | 1,600 | 16 | Below RSL |
| Chromium | 31.8 | | 12,000 | Below RSL |
| Cobalt | 11.6 | 420 | 2.3 | |
| Copper | 38.4 | | 310 | Below RSL |
| Iron | 32,600 | | 5,500 | |
| Lead | 30.4 | | 40 | Below RSL |
| Manganese | 611 | | 180 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Mercury | 0.065 | | 2.3 | Below RSL |
| Nickel | 19.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.54 | | 39 | Below RSL |
| Vanadium | 72.3 | | 39 | |
| Zinc | 188 | | 2,300 | Below RSL |
| 251 | | | | |
| Aluminum | 21,500 | | 7,700 | |
| Arsenic | 170 | 0.67 | 3.4 | |
| Barium | 279 | | 1,500 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |
| Cadmium | 0.027 | 2,100 | 7 | Below RSL |
| Chromium | 124 | | 12,000 | Below RSL |
| Cobalt | 30.7 | 420 | 2.3 | |
| Copper | 64.6 | | 310 | Below RSL |
| Cyanide | 0.22 | | 2.1 | Below RSL |
| Iron | 40,800 | | 5,500 | |
| Lead | 15.3 | | 40 | Below RSL |
| Manganese | 4,500 | | 180 | |
| Mercury | 0.092 | | 2.3 | Below RSL |
| Nickel | 99.3 | 15,000 | 150 | Below RSL |
| Vanadium | 93.3 | | 39 | |
| Zinc | 84.2 | | 2,300 | Below RSL |
| 2511 | | | | |
| Aluminum | 24,100 | | 7,700 | |
| Arsenic | 29.1 | 0.67 | 3.4 | |
| Barium | 318 | | 1,500 | Below RSL |
| Chromium | 36.5 | | 12,000 | Below RSL |
| Cobalt | 15 | 420 | 2.3 | |
| Copper | 56.1 | | 310 | Below RSL |
| Iron | 32,700 | | 5,500 | |
| Lead | 65.7 | | 40 | |
| Manganese | 729 | | 180 | |
| Mercury | 0.06 | | 2.3 | Below RSL |
| Nickel | 29.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.67 | | 39 | Below RSL |
| Vanadium | 66 | | 39 | |
| Zinc | 283 | | 2,300 | Below RSL |
| 2512 | | | | |
| Aluminum | 22,700 | | 7,700 | |
| Arsenic | 29.1 | 0.67 | 3.4 | |
| Barium | 207 | | 1,500 | Below RSL |
| Beryllium | 0.59 | 1,600 | 16 | Below RSL |
| Chromium | 49 | | 12,000 | Below RSL |
| Cobalt | 13 | 420 | 2.3 | |
| Copper | 46.9 | | 310 | Below RSL |
| Iron | 34,400 | | 5,500 | |
| Lead | 37.5 | | 40 | Below RSL |
| Manganese | 680 | | 180 | |
| Mercury | 0.044 | | 2.3 | Below RSL |
| Nickel | 34.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.81 | | 39 | Below RSL |
| Vanadium | 60 | | 39 | |
| Zinc | 168 | | 2,300 | Below RSL |
| 2514 | | | | |
| Aluminum | 11,800 | | 7,700 | |
| Arsenic | 33.7 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 86.1 | | 1,500 | Below RSL |
| Beryllium | 0.33 | 1,600 | 16 | Below RSL |
| Cadmium | 0.55 | 2,100 | 7 | Below RSL |
| Chromium | 20.6 | | 12,000 | Below RSL |
| Cobalt | 7.7 | 420 | 2.3 | |
| Copper | 85.3 | | 310 | Below RSL |
| Iron | 30,700 | | 5,500 | |
| Lead | 75.5 | | 40 | |
| Manganese | 747 | | 180 | |
| Nickel | 11.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.72 | | 39 | Below RSL |
| Silver | 0.2 | | 39 | Below RSL |
| Vanadium | 56.9 | | 39 | |
| Zinc | 268 | | 2,300 | Below RSL |
| 2515 | | | | |
| Arsenic | 46 | 0.67 | 3.4 | |
| Chromium | 38.3 | | 12,000 | Below RSL |
| Copper | 84.3 | | 310 | Below RSL |
| Iron | 38,900 | | 5,500 | |
| Lead | 86.6 | | 40 | |
| Manganese | 958 | | 180 | |
| Zinc | 347 | | 2,300 | Below RSL |
| 2516 | | | | |
| Aluminum | 19,400 | | 7,700 | |
| Arsenic | 48.3 | 0.67 | 3.4 | |
| Barium | 24.6 | | 1,500 | Below RSL |
| Beryllium | 0.069 | 1,600 | 16 | Below RSL |
| Cadmium | 0.53 | 2,100 | 7 | Below RSL |
| Chromium | 39.7 | | 12,000 | Below RSL |
| Cobalt | 1.4 | 420 | 2.3 | Below RSL |
| Copper | 313 | | 310 | |
| Iron | 37,400 | | 5,500 | |
| Lead | 155 | | 40 | |
| Manganese | 1,120 | | 180 | |
| Mercury | 0.25 | | 2.3 | Below RSL |
| Nickel | 2.9 | 15,000 | 150 | Below RSL |
| Selenium | 2.2 | | 39 | Below RSL |
| Silver | 0.59 | | 39 | Below RSL |
| Vanadium | 64.5 | | 39 | |
| Zinc | 679 | | 2,300 | Below RSL |
| 2517 | | | | |
| Aluminum | 23,800 | | 7,700 | |
| Arsenic | 43.8 | 0.67 | 3.4 | |
| Barium | 171 | | 1,500 | Below RSL |
| Beryllium | 0.65 | 1,600 | 16 | Below RSL |
| Cadmium | 1 | 2,100 | 7 | Below RSL |
| Chromium | 33.6 | | 12,000 | Below RSL |
| Cobalt | 9.9 | 420 | 2.3 | |
| Copper | 146 | | 310 | Below RSL |
| Iron | 37,000 | | 5,500 | |
| Lead | 369 | | 40 | |
| Manganese | 990 | | 180 | |
| Nickel | 22.8 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Silver | 0.29 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 56.2 | | 39 | |
| Zinc | 779 | | 2,300 | Below RSL |
| 2518 | | | | |
| Aluminum | 22,700 | | 7,700 | |
| Arsenic | 29.8 | 0.67 | 3.4 | |
| Barium | 219 | | 1,500 | Below RSL |
| Chromium | 42.5 | | 12,000 | Below RSL |
| Cobalt | 13.9 | 420 | 2.3 | |
| Copper | 117 | | 310 | Below RSL |
| Iron | 31,200 | | 5,500 | |
| Lead | 81.9 | | 40 | |
| Manganese | 926 | | 180 | |
| Mercury | 0.16 | | 2.3 | Below RSL |
| Nickel | 26.9 | 15,000 | 150 | Below RSL |
| Selenium | 1 | | 39 | Below RSL |
| Vanadium | 69.2 | | 39 | |
| Zinc | 248 | | 2,300 | Below RSL |
| 252 | | | | |
| Aluminum | 19,200 | | 7,700 | |
| Antimony | 6.3 | | 3.1 | |
| Arsenic | 413 | 0.67 | 3.4 | |
| Barium | 638 | | 1,500 | Below RSL |
| Beryllium | 0.64 | 1,600 | 16 | Below RSL |
| Cadmium | 4.5 | 2,100 | 7 | Below RSL |
| Chromium | 39.8 | | 12,000 | Below RSL |
| Cobalt | 20.9 | 420 | 2.3 | |
| Copper | 113 | | 310 | Below RSL |
| Cyanide | 0.41 | | 2.1 | Below RSL |
| Iron | 42,400 | | 5,500 | |
| Lead | 663 | | 40 | |
| Manganese | 918 | | 180 | |
| Mercury | 0.66 | | 2.3 | Below RSL |
| Nickel | 69.7 | 15,000 | 150 | Below RSL |
| Selenium | 9.1 | | 39 | Below RSL |
| Silver | 6.1 | | 39 | Below RSL |
| Thallium | 0.32 | | 0.078 | |
| Vanadium | 57 | | 39 | |
| Zinc | 940 | | 2,300 | Below RSL |
| 2520 | | | | |
| Aluminum | 18,200 | | 7,700 | |
| Arsenic | 40.4 | 0.67 | 3.4 | |
| Barium | 167 | | 1,500 | Below RSL |
| Chromium | 31.1 | | 12,000 | Below RSL |
| Cobalt | 12.4 | 420 | 2.3 | |
| Copper | 88.5 | | 310 | Below RSL |
| Iron | 37,200 | | 5,500 | |
| Lead | 110 | | 40 | |
| Manganese | 1,160 | | 180 | |
| Mercury | 0.22 | | 2.3 | Below RSL |
| Nickel | 20.5 | 15,000 | 150 | Below RSL |
| Vanadium | 55.6 | | 39 | |
| Zinc | 268 | | 2,300 | Below RSL |
| 2521 | | | | |
| Aluminum | 12,200 | | 7,700 | |
| Arsenic | 41.6 | 0.67 | 3.4 | |
| Barium | 98 | | 1,500 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 19.2 | | 12,000 | Below RSL |
| Cobalt | 8 | 420 | 2.3 | |
| Copper | 63.1 | | 310 | Below RSL |
| Iron | 43,600 | | 5,500 | |
| Lead | 78.2 | | 40 | |
| Manganese | 974 | | 180 | |
| Nickel | 15 | 15,000 | 150 | Below RSL |
| Vanadium | 39.7 | | 39 | |
| Zinc | 315 | | 2,300 | Below RSL |
| 2522 | | | | |
| Aluminum | 12,400 | | 7,700 | |
| Arsenic | 52.8 | 0.67 | 3.4 | |
| Barium | 96.9 | | 1,500 | Below RSL |
| Beryllium | 0.4 | 1,600 | 16 | Below RSL |
| Cadmium | 0.33 | 2,100 | 7 | Below RSL |
| Chromium | 20.1 | | 12,000 | Below RSL |
| Cobalt | 7.6 | 420 | 2.3 | |
| Copper | 33.5 | | 310 | Below RSL |
| Iron | 31,200 | | 5,500 | |
| Lead | 101 | | 40 | |
| Manganese | 910 | | 180 | |
| Mercury | 0.014 | | 2.3 | Below RSL |
| Nickel | 12.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.63 | | 39 | Below RSL |
| Vanadium | 42.8 | | 39 | |
| Zinc | 294 | | 2,300 | Below RSL |
| 2523 | | | | |
| Aluminum | 18,200 | | 7,700 | |
| Arsenic | 170 | 0.67 | 3.4 | |
| Barium | 116 | | 1,500 | Below RSL |
| Chromium | 29 | | 12,000 | Below RSL |
| Cobalt | 10.6 | 420 | 2.3 | |
| Copper | 42.3 | | 310 | Below RSL |
| Iron | 31,700 | | 5,500 | |
| Lead | 191 | | 40 | |
| Manganese | 736 | | 180 | |
| Nickel | 17.6 | 15,000 | 150 | Below RSL |
| Vanadium | 50.2 | | 39 | |
| Zinc | 432 | | 2,300 | Below RSL |
| 2524 | | | | |
| Aluminum | 17,700 | | 7,700 | |
| Arsenic | 56.1 | 0.67 | 3.4 | |
| Barium | 166 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 2 | 2,100 | 7 | Below RSL |
| Chromium | 30.6 | | 12,000 | Below RSL |
| Cobalt | 12.9 | 420 | 2.3 | |
| Copper | 207 | | 310 | Below RSL |
| Iron | 34,900 | | 5,500 | |
| Lead | 120 | | 40 | |
| Manganese | 846 | | 180 | |
| Mercury | 0.17 | | 2.3 | Below RSL |
| Nickel | 22.2 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Vanadium | 48.2 | | 39 | |
| Zinc | 417 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Hamboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | |
|--|-----------------------|----------------------|-------------------|-----------|
| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 2525 | | | | |
| Aluminum | 18,200 | | 7,700 | |
| Arsenic | 46 | 0.67 | 3.4 | |
| Barium | 146 | | 1,500 | Below RSL |
| Beryllium | 0.69 | 1,600 | 16 | Below RSL |
| Cadmium | 0.88 | 2,100 | 7 | Below RSL |
| Chromium | 34.5 | | 12,000 | Below RSL |
| Cobalt | 13.7 | 420 | 2.3 | |
| Copper | 84.5 | | 310 | Below RSL |
| Iron | 39,100 | | 5,500 | |
| Lead | 49 | | 40 | |
| Manganese | 2,360 | | 180 | |
| Nickel | 24.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.98 | | 39 | Below RSL |
| Vanadium | 57.2 | | 39 | |
| Zinc | 298 | | 2,300 | Below RSL |
| 2526 | | | | |
| Aluminum | 20,700 | | 7,700 | |
| Arsenic | 33.7 | 0.67 | 3.4 | |
| Barium | 137 | | 1,500 | Below RSL |
| Chromium | 29.1 | | 12,000 | Below RSL |
| Cobalt | 9.3 | 420 | 2.3 | |
| Copper | 49.6 | | 310 | Below RSL |
| Iron | 37,400 | | 5,500 | |
| Lead | 30.4 | | 40 | Below RSL |
| Manganese | 736 | | 180 | |
| Mercury | 0.11 | | 2.3 | Below RSL |
| Nickel | 15 | 15,000 | 150 | Below RSL |
| Vanadium | 61.6 | | 39 | |
| Zinc | 174 | | 2,300 | Below RSL |
| 2527 | | | | |
| Aluminum | 16,400 | | 7,700 | |
| Arsenic | 127 | 0.67 | 3.4 | |
| Barium | 177 | | 1,500 | Below RSL |
| Beryllium | 0.59 | 1,600 | 16 | Below RSL |
| Cadmium | 2.1 | 2,100 | 7 | Below RSL |
| Chromium | 28.8 | | 12,000 | Below RSL |
| Cobalt | 9.8 | 420 | 2.3 | |
| Copper | 359 | | 310 | |
| Iron | 39,600 | | 5,500 | |
| Lead | 317 | | 40 | |
| Manganese | 658 | | 180 | |
| Mercury | 0.67 | | 2.3 | Below RSL |
| Nickel | 14.3 | 15,000 | 150 | Below RSL |
| Selenium | 1.4 | | 39 | Below RSL |
| Silver | 5.8 | | 39 | Below RSL |
| Thallium | 0.45 | | 0.078 | |
| Vanadium | 50.2 | | 39 | |
| Zinc | 448 | | 2,300 | Below RSL |
| 2529 | | | | |
| Aluminum | 21,200 | | 7,700 | |
| Arsenic | 106 | 0.67 | 3.4 | |
| Barium | 165 | | 1,500 | Below RSL |
| Chromium | 25.5 | | 12,000 | Below RSL |
| Cobalt | 8.8 | 420 | 2.3 | |
| Copper | 34.8 | | 310 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 34,400 | | 5,500 | |
| Lead | 2,240 | | 40 | |
| Manganese | 602 | | 180 | |
| Nickel | 16.5 | 15,000 | 150 | Below RSL |
| Vanadium | 51.2 | | 39 | |
| Zinc | 2,020 | | 2,300 | Below RSL |
| 253 | | | | |
| Aluminum | 22,700 | | 7,700 | |
| Antimony | 0.98 | | 3.1 | Below RSL |
| Arsenic | 104 | 0.67 | 3.4 | |
| Barium | 447 | | 1,500 | Below RSL |
| Beryllium | 0.81 | 1,600 | 16 | Below RSL |
| Cadmium | 1.5 | 2,100 | 7 | Below RSL |
| Chromium | 66 | | 12,000 | Below RSL |
| Cobalt | 27.4 | 420 | 2.3 | |
| Copper | 276 | | 310 | Below RSL |
| Cyanide | 0.44 | | 2.1 | Below RSL |
| Iron | 81,100 | | 5,500 | |
| Lead | 99.4 | | 40 | |
| Manganese | 6,850 | | 180 | |
| Mercury | 1.7 | | 2.3 | Below RSL |
| Nickel | 51.5 | 15,000 | 150 | Below RSL |
| Silver | 0.52 | | 39 | Below RSL |
| Thallium | 0.77 | | 0.078 | |
| Vanadium | 149 | | 39 | |
| Zinc | 162 | | 2,300 | Below RSL |
| 2530 | | | | |
| Aluminum | 17,400 | | 7,700 | |
| Arsenic | 130 | 0.67 | 3.4 | |
| Barium | 210 | | 1,500 | Below RSL |
| Chromium | 29.7 | | 12,000 | Below RSL |
| Cobalt | 10.2 | 420 | 2.3 | |
| Copper | 199 | | 310 | Below RSL |
| Iron | 38,700 | | 5,500 | |
| Lead | 7,420 | | 40 | |
| Manganese | 677 | | 180 | |
| Mercury | 0.18 | | 2.3 | Below RSL |
| Nickel | 15.6 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Vanadium | 54.2 | | 39 | |
| Zinc | 2,400 | | 2,300 | |
| 2532 | | | | |
| Aluminum | 27,300 | | 7,700 | |
| Arsenic | 81.7 | 0.67 | 3.4 | |
| Barium | 173 | | 1,500 | Below RSL |
| Beryllium | 1 | 1,600 | 16 | Below RSL |
| Cadmium | 0.2 | 2,100 | 7 | Below RSL |
| Chromium | 40 | | 12,000 | Below RSL |
| Cobalt | 10.6 | 420 | 2.3 | |
| Copper | 41.4 | | 310 | Below RSL |
| Iron | 34,600 | | 5,500 | |
| Lead | 138 | | 40 | |
| Manganese | 753 | | 180 | |
| Mercury | 0.058 | | 2.3 | Below RSL |
| Nickel | 19 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 72.8 | | 39 | |
| Zinc | 656 | | 2,300 | Below RSL |
| 2535 | | | | |
| Aluminum | 20,300 | | 7,700 | |
| Arsenic | 32.5 | 0.67 | 3.4 | |
| Barium | 220 | | 1,500 | Below RSL |
| Chromium | 25 | | 12,000 | Below RSL |
| Cobalt | 10.1 | 420 | 2.3 | |
| Copper | 25.3 | | 310 | Below RSL |
| Iron | 36,700 | | 5,500 | |
| Lead | 42.3 | | 40 | |
| Manganese | 823 | | 180 | |
| Nickel | 18.6 | 15,000 | 150 | Below RSL |
| Vanadium | 47 | | 39 | |
| Zinc | 142 | | 2,300 | Below RSL |
| 2536 | | | | |
| Arsenic | 53.9 | 0.67 | 3.4 | |
| Chromium | 29.8 | | 12,000 | Below RSL |
| Copper | 193 | | 310 | Below RSL |
| Iron | 34,700 | | 5,500 | |
| Lead | 276 | | 40 | |
| Manganese | 714 | | 180 | |
| Zinc | 554 | | 2,300 | Below RSL |
| 2537 | | | | |
| Aluminum | 17,000 | | 7,700 | |
| Arsenic | 75 | 0.67 | 3.4 | |
| Barium | 127 | | 1,500 | Below RSL |
| Beryllium | 0.53 | 1,600 | 16 | Below RSL |
| Cadmium | 0.14 | 2,100 | 7 | Below RSL |
| Chromium | 20.9 | | 12,000 | Below RSL |
| Cobalt | 8.9 | 420 | 2.3 | |
| Copper | 34 | | 310 | Below RSL |
| Iron | 39,600 | | 5,500 | |
| Lead | 199 | | 40 | |
| Manganese | 817 | | 180 | |
| Mercury | 0.015 | | 2.3 | Below RSL |
| Nickel | 14.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.45 | | 39 | Below RSL |
| Vanadium | 48.5 | | 39 | |
| Zinc | 277 | | 2,300 | Below RSL |
| 2538 | | | | |
| Aluminum | 17,800 | | 7,700 | |
| Arsenic | 61.7 | 0.67 | 3.4 | |
| Barium | 187 | | 1,500 | Below RSL |
| Chromium | 29.3 | | 12,000 | Below RSL |
| Cobalt | 10.3 | 420 | 2.3 | |
| Copper | 84.2 | | 310 | Below RSL |
| Iron | 39,800 | | 5,500 | |
| Lead | 237 | | 40 | |
| Manganese | 950 | | 180 | |
| Nickel | 23.2 | 15,000 | 150 | Below RSL |
| Vanadium | 48.5 | | 39 | |
| Zinc | 515 | | 2,300 | Below RSL |
| 2539 | | | | |
| Aluminum | 28,600 | | 7,700 | |
| Arsenic | 51.6 | 0.67 | 3.4 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Barium | 210 | | 1,500 | Below RSL |
| Chromium | 45.8 | | 12,000 | Below RSL |
| Cobalt | 18.4 | 420 | 2.3 | |
| Copper | 72.3 | | 310 | Below RSL |
| Iron | 57,300 | | 5,500 | |
| Lead | 169 | | 40 | |
| Manganese | 1,440 | | 180 | |
| Mercury | 0.057 | | 2.3 | Below RSL |
| Nickel | 33 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Vanadium | 94.3 | | 39 | |
| Zinc | 425 | | 2,300 | Below RSL |
| 254 | | | | |
| Aluminum | 21,400 | | 7,700 | |
| Antimony | 0.83 | | 3.1 | Below RSL |
| Arsenic | 119 | 0.67 | 3.4 | |
| Barium | 202 | | 1,500 | Below RSL |
| Beryllium | 0.68 | 1,600 | 16 | Below RSL |
| Cadmium | 1 | 2,100 | 7 | Below RSL |
| Chromium | 34.4 | | 12,000 | Below RSL |
| Cobalt | 17.2 | 420 | 2.3 | |
| Copper | 97.8 | | 310 | Below RSL |
| Cyanide | 0.41 | | 2.1 | Below RSL |
| Iron | 54,100 | | 5,500 | |
| Lead | 139 | | 40 | |
| Manganese | 942 | | 180 | |
| Mercury | 0.48 | | 2.3 | Below RSL |
| Nickel | 30.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.7 | | 39 | Below RSL |
| Silver | 0.2 | | 39 | Below RSL |
| Thallium | 0.28 | | 0.078 | |
| Vanadium | 92.6 | | 39 | |
| Zinc | 321 | | 2,300 | Below RSL |
| 2540 | | | | |
| Aluminum | 28,000 | | 7,700 | |
| Arsenic | 47.2 | 0.67 | 3.4 | |
| Barium | 76.7 | | 1,500 | Below RSL |
| Chromium | 47.1 | | 12,000 | Below RSL |
| Cobalt | 14.3 | 420 | 2.3 | |
| Copper | 56.6 | | 310 | Below RSL |
| Iron | 45,400 | | 5,500 | |
| Lead | 47.3 | | 40 | |
| Manganese | 2,010 | | 180 | |
| Nickel | 35 | 15,000 | 150 | Below RSL |
| Vanadium | 78.7 | | 39 | |
| Zinc | 239 | | 2,300 | Below RSL |
| 2541 | | | | |
| Aluminum | 29,800 | | 7,700 | |
| Arsenic | 44.9 | 0.67 | 3.4 | |
| Barium | 230 | | 1,500 | Below RSL |
| Chromium | 45.1 | | 12,000 | Below RSL |
| Cobalt | 13.9 | 420 | 2.3 | |
| Copper | 189 | | 310 | Below RSL |
| Iron | 46,400 | | 5,500 | |
| Lead | 82.5 | | 40 | |
| Manganese | 4,140 | | 180 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Mercury | 0.45 | | 2.3 | Below RSL |
| Nickel | 32.5 | 15,000 | 150 | Below RSL |
| Vanadium | 75.5 | | 39 | |
| Zinc | 228 | | 2,300 | Below RSL |
| 2542 | | | | |
| Arsenic | 39.3 | 0.67 | 3.4 | |
| Chromium | 57.9 | | 12,000 | Below RSL |
| Copper | 122 | | 310 | Below RSL |
| Iron | 49,800 | | 5,500 | |
| Lead | 58.4 | | 40 | |
| Manganese | 1,630 | | 180 | |
| Zinc | 248 | | 2,300 | Below RSL |
| 2545 | | | | |
| Aluminum | 18,500 | | 7,700 | |
| Arsenic | 57.3 | 0.67 | 3.4 | |
| Barium | 289 | | 1,500 | Below RSL |
| Beryllium | 0.66 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 39.5 | | 12,000 | Below RSL |
| Cobalt | 17.9 | 420 | 2.3 | |
| Copper | 202 | | 310 | Below RSL |
| Iron | 47,600 | | 5,500 | |
| Lead | 121 | | 40 | |
| Manganese | 2,220 | | 180 | |
| Nickel | 31.5 | 15,000 | 150 | Below RSL |
| Vanadium | 78.7 | | 39 | |
| Zinc | 427 | | 2,300 | Below RSL |
| 2549 | | | | |
| Aluminum | 18,600 | | 7,700 | |
| Arsenic | 34.8 | 0.67 | 3.4 | |
| Barium | 259 | | 1,500 | Below RSL |
| Chromium | 33.4 | | 12,000 | Below RSL |
| Cobalt | 13.9 | 420 | 2.3 | |
| Copper | 76 | | 310 | Below RSL |
| Iron | 36,000 | | 5,500 | |
| Lead | 81 | | 40 | |
| Manganese | 1,080 | | 180 | |
| Mercury | 0.1 | | 2.3 | Below RSL |
| Nickel | 26.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.93 | | 39 | Below RSL |
| Vanadium | 66.4 | | 39 | |
| Zinc | 344 | | 2,300 | Below RSL |
| 255 | | | | |
| Aluminum | 21,900 | | 7,700 | |
| Antimony | 0.37 | | 3.1 | Below RSL |
| Arsenic | 129 | 0.67 | 3.4 | |
| Barium | 189 | | 1,500 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |
| Cadmium | 0.64 | 2,100 | 7 | Below RSL |
| Chromium | 35.5 | | 12,000 | Below RSL |
| Cobalt | 17.8 | 420 | 2.3 | |
| Copper | 63.3 | | 310 | Below RSL |
| Cyanide | 0.33 | | 2.1 | Below RSL |
| Iron | 48,800 | | 5,500 | |
| Lead | 64 | | 40 | |
| Manganese | 1,090 | | 180 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Mercury | 0.25 | | 2.3 | Below RSL |
| Nickel | 27.5 | 15,000 | 150 | Below RSL |
| Thallium | 0.25 | | 0.078 | |
| Vanadium | 62 | | 39 | |
| Zinc | 363 | | 2,300 | Below RSL |
| 2550 | | | | |
| Aluminum | 17,900 | | 7,700 | |
| Arsenic | 75 | 0.67 | 3.4 | |
| Barium | 154 | | 1,500 | Below RSL |
| Beryllium | 0.57 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 30.1 | | 12,000 | Below RSL |
| Cobalt | 9.7 | 420 | 2.3 | |
| Copper | 235 | | 310 | Below RSL |
| Iron | 33,900 | | 5,500 | |
| Lead | 625 | | 40 | |
| Manganese | 709 | | 180 | |
| Mercury | 0.2 | | 2.3 | Below RSL |
| Nickel | 16.8 | 15,000 | 150 | Below RSL |
| Vanadium | 48.5 | | 39 | |
| Zinc | 683 | | 2,300 | Below RSL |
| 256 | | | | |
| Aluminum | 30,000 | | 7,700 | |
| Antimony | 0.32 | | 3.1 | Below RSL |
| Arsenic | 36.2 | 0.67 | 3.4 | |
| Barium | 414 | | 1,500 | Below RSL |
| Beryllium | 0.75 | 1,600 | 16 | Below RSL |
| Cadmium | 2.6 | 2,100 | 7 | Below RSL |
| Chromium | 47.9 | | 12,000 | Below RSL |
| Cobalt | 22.9 | 420 | 2.3 | |
| Copper | 335 | | 310 | |
| Cyanide | 0.46 | | 2.1 | Below RSL |
| Iron | 36,400 | | 5,500 | |
| Lead | 46.8 | | 40 | |
| Manganese | 2,710 | | 180 | |
| Mercury | 0.09 | | 2.3 | Below RSL |
| Nickel | 51.1 | 15,000 | 150 | Below RSL |
| Selenium | 3 | | 39 | Below RSL |
| Silver | 0.81 | | 39 | Below RSL |
| Thallium | 0.84 | | 0.078 | |
| Vanadium | 76.7 | | 39 | |
| Zinc | 331 | | 2,300 | Below RSL |
| 257 | | | | |
| Aluminum | 19,400 | | 7,700 | |
| Arsenic | 28.9 | 0.67 | 3.4 | |
| Barium | 162 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Cadmium | 1.7 | 2,100 | 7 | Below RSL |
| Chromium | 21.5 | | 12,000 | Below RSL |
| Cobalt | 15.8 | 420 | 2.3 | |
| Copper | 113 | | 310 | Below RSL |
| Cyanide | 0.45 | | 2.1 | Below RSL |
| Iron | 28,600 | | 5,500 | |
| Lead | 69.9 | | 40 | |
| Manganese | 800 | | 180 | |
| Mercury | 0.31 | | 2.3 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Nickel | 19.9 | 15,000 | 150 | Below RSL |
| Selenium | 3.2 | | 39 | Below RSL |
| Silver | 0.71 | | 39 | Below RSL |
| Vanadium | 56.6 | | 39 | |
| Zinc | 332 | | 2,300 | Below RSL |
| 258 and 00W | | | | |
| Aluminum | 14,800 | | 7,700 | |
| Antimony | 1.3 | | 3.1 | Below RSL |
| Arsenic | 128 | 0.67 | 3.4 | |
| Barium | 272 | | 1,500 | Below RSL |
| Beryllium | 0.44 | 1,600 | 16 | Below RSL |
| Cadmium | 4 | 2,100 | 7 | Below RSL |
| Chromium | 26 | | 12,000 | Below RSL |
| Cobalt | 16.1 | 420 | 2.3 | |
| Copper | 421 | | 310 | |
| Cyanide | 11.6 | | 2.1 | |
| Iron | 29,700 | | 5,500 | |
| Lead | 605 | | 40 | |
| Manganese | 1,820 | | 180 | |
| Mercury | 0.65 | | 2.3 | Below RSL |
| Nickel | 24.8 | 15,000 | 150 | Below RSL |
| Selenium | 2.7 | | 39 | Below RSL |
| Silver | 2.1 | | 39 | Below RSL |
| Thallium | 0.4 | | 0.078 | |
| Vanadium | 52.6 | | 39 | |
| Zinc | 939 | | 2,300 | Below RSL |
| 2602 | | | | |
| Aluminum | 12,300 | | 7,700 | |
| Arsenic | 863 | 0.67 | 3.4 | |
| Barium | 87.8 | | 1,500 | Below RSL |
| Chromium | 16.8 | | 12,000 | Below RSL |
| Cobalt | 6.5 | 420 | 2.3 | |
| Copper | 46.8 | | 310 | Below RSL |
| Iron | 81,500 | | 5,500 | |
| Lead | 20,500 | | 40 | |
| Manganese | 727 | | 180 | |
| Nickel | 12.6 | 15,000 | 150 | Below RSL |
| Vanadium | 42 | | 39 | |
| Zinc | 4,470 | | 2,300 | |
| 2603 | | | | |
| Aluminum | 20,500 | | 7,700 | |
| Antimony | 1 | | 3.1 | Below RSL |
| Arsenic | 170 | 0.67 | 3.4 | |
| Barium | 201 | | 1,500 | Below RSL |
| Beryllium | 0.65 | 1,600 | 16 | Below RSL |
| Cadmium | 1.8 | 2,100 | 7 | Below RSL |
| Chromium | 38.6 | | 12,000 | Below RSL |
| Cobalt | 16.2 | 420 | 2.3 | |
| Copper | 152 | | 310 | Below RSL |
| Iron | 36,900 | | 5,500 | |
| Lead | 372 | | 40 | |
| Manganese | 1,050 | | 180 | |
| Mercury | 0.22 | | 2.3 | Below RSL |
| Nickel | 26 | 15,000 | 150 | Below RSL |
| Selenium | 0.98 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 78.2 | | 39 | |
| Zinc | 1,200 | | 2,300 | Below RSL |
| 2606 | | | | |
| Aluminum | 19,100 | | 7,700 | |
| Arsenic | 86.1 | 0.67 | 3.4 | |
| Barium | 140 | | 1,500 | Below RSL |
| Chromium | 26.3 | | 12,000 | Below RSL |
| Cobalt | 9.8 | 420 | 2.3 | |
| Copper | 60.3 | | 310 | Below RSL |
| Iron | 35,500 | | 5,500 | |
| Lead | 101 | | 40 | |
| Manganese | 870 | | 180 | |
| Mercury | 0.14 | | 2.3 | Below RSL |
| Nickel | 17.5 | 15,000 | 150 | Below RSL |
| Vanadium | 60.5 | | 39 | |
| Zinc | 472 | | 2,300 | Below RSL |
| 261 | | | | |
| Aluminum | 25,300 | | 7,700 | |
| Antimony | 0.52 | | 3.1 | Below RSL |
| Arsenic | 100 | 0.67 | 3.4 | |
| Barium | 258 | | 1,500 | Below RSL |
| Beryllium | 0.76 | 1,600 | 16 | Below RSL |
| Cadmium | 1.7 | 2,100 | 7 | Below RSL |
| Chromium | 65.8 | | 12,000 | Below RSL |
| Cobalt | 33.1 | 420 | 2.3 | |
| Copper | 121 | | 310 | Below RSL |
| Cyanide | 0.37 | | 2.1 | Below RSL |
| Iron | 69,100 | | 5,500 | |
| Lead | 164 | | 40 | |
| Manganese | 2,700 | | 180 | |
| Mercury | 0.14 | | 2.3 | Below RSL |
| Nickel | 50.9 | 15,000 | 150 | Below RSL |
| Silver | 0.2 | | 39 | Below RSL |
| Thallium | 1 | | 0.078 | |
| Vanadium | 126 | | 39 | |
| Zinc | 198 | | 2,300 | Below RSL |
| 2610 | | | | |
| Aluminum | 16,300 | | 7,700 | |
| Arsenic | 33.7 | 0.67 | 3.4 | |
| Barium | 160 | | 1,500 | Below RSL |
| Cadmium | 3.4 | 2,100 | 7 | Below RSL |
| Chromium | 21 | | 12,000 | Below RSL |
| Cobalt | 9.3 | 420 | 2.3 | |
| Copper | 112 | | 310 | Below RSL |
| Iron | 28,600 | | 5,500 | |
| Lead | 163 | | 40 | |
| Manganese | 706 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 16.3 | 15,000 | 150 | Below RSL |
| Vanadium | 37.1 | | 39 | Below RSL |
| Zinc | 804 | | 2,300 | Below RSL |
| 2612 | | | | |
| Aluminum | 17,600 | | 7,700 | |
| Arsenic | 35.9 | 0.67 | 3.4 | |
| Barium | 86.4 | | 1,500 | Below RSL |
| Beryllium | 0.59 | 1,600 | 16 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cadmium | 0.1 | 2,100 | 7 | Below RSL |
| Chromium | 29.5 | | 12,000 | Below RSL |
| Cobalt | 10.4 | 420 | 2.3 | |
| Copper | 25.9 | | 310 | Below RSL |
| Iron | 36,300 | | 5,500 | |
| Lead | 46.5 | | 40 | |
| Manganese | 734 | | 180 | |
| Mercury | 0.014 | | 2.3 | Below RSL |
| Nickel | 15.8 | 15,000 | 150 | Below RSL |
| Selenium | 0.63 | | 39 | Below RSL |
| Vanadium | 58.3 | | 39 | |
| Zinc | 134 | | 2,300 | Below RSL |
| 2615 | | | | |
| Aluminum | 24,600 | | 7,700 | |
| Antimony | 2.1 | | 3.1 | Below RSL |
| Arsenic | 1,110 | 0.67 | 3.4 | |
| Barium | 144 | | 1,500 | Below RSL |
| Chromium | 205 | | 12,000 | Below RSL |
| Cobalt | 38.1 | 420 | 2.3 | |
| Copper | 76.2 | | 310 | Below RSL |
| Iron | 113,000 | | 5,500 | |
| Lead | 128 | | 40 | |
| Manganese | 4,510 | | 180 | |
| Nickel | 96.3 | 15,000 | 150 | Below RSL |
| Vanadium | 211 | | 39 | |
| Zinc | 268 | | 2,300 | Below RSL |
| 262 | | | | |
| Aluminum | 17,200 | | 7,700 | |
| Antimony | 0.62 | | 3.1 | Below RSL |
| Arsenic | 44.7 | 0.67 | 3.4 | |
| Barium | 288 | | 1,500 | Below RSL |
| Beryllium | 0.61 | 1,600 | 16 | Below RSL |
| Cadmium | 1.8 | 2,100 | 7 | Below RSL |
| Chromium | 34.6 | | 12,000 | Below RSL |
| Cobalt | 13.5 | 420 | 2.3 | |
| Copper | 929 | | 310 | |
| Cyanide | 0.64 | | 2.1 | Below RSL |
| Iron | 26,300 | | 5,500 | |
| Lead | 305 | | 40 | |
| Manganese | 753 | | 180 | |
| Mercury | 0.33 | | 2.3 | Below RSL |
| Nickel | 25.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.39 | | 39 | Below RSL |
| Silver | 0.74 | | 39 | Below RSL |
| Thallium | 0.31 | | 0.078 | |
| Vanadium | 42.7 | | 39 | |
| Zinc | 672 | | 2,300 | Below RSL |
| 263 | | | | |
| Aluminum | 20,900 | | 7,700 | |
| Antimony | 0.24 | | 3.1 | Below RSL |
| Arsenic | 30.7 | 0.67 | 3.4 | |
| Barium | 394 | | 1,500 | Below RSL |
| Beryllium | 0.74 | 1,600 | 16 | Below RSL |
| Cadmium | 1.1 | 2,100 | 7 | Below RSL |
| Chromium | 27.6 | | 12,000 | Below RSL |
| Cobalt | 22.7 | 420 | 2.3 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Copper | 105 | | 310 | Below RSL |
| Cyanide | 0.46 | | 2.1 | Below RSL |
| Iron | 25,000 | | 5,500 | |
| Lead | 75.1 | | 40 | |
| Manganese | 975 | | 180 | |
| Mercury | 0.24 | | 2.3 | Below RSL |
| Nickel | 42.9 | 15,000 | 150 | Below RSL |
| Selenium | 2 | | 39 | Below RSL |
| Thallium | 0.19 | | 0.078 | |
| Vanadium | 49.3 | | 39 | |
| Zinc | 155 | | 2,300 | Below RSL |
| 265 | | | | |
| Aluminum | 23,100 | | 7,700 | |
| Antimony | 0.7 | | 3.1 | Below RSL |
| Arsenic | 66.4 | 0.67 | 3.4 | |
| Barium | 1,240 | | 1,500 | Below RSL |
| Beryllium | 0.65 | 1,600 | 16 | Below RSL |
| Cadmium | 3.1 | 2,100 | 7 | Below RSL |
| Chromium | 44.7 | | 12,000 | Below RSL |
| Cobalt | 21.1 | 420 | 2.3 | |
| Copper | 368 | | 310 | |
| Cyanide | 0.59 | | 2.1 | Below RSL |
| Iron | 34,700 | | 5,500 | |
| Lead | 196 | | 40 | |
| Manganese | 1,720 | | 180 | |
| Mercury | 0.33 | | 2.3 | Below RSL |
| Nickel | 49.5 | 15,000 | 150 | Below RSL |
| Selenium | 3 | | 39 | Below RSL |
| Thallium | 0.48 | | 0.078 | |
| Vanadium | 71.8 | | 39 | |
| Zinc | 1,060 | | 2,300 | Below RSL |
| 267 | | | | |
| Aluminum | 14700 | | 7700 | |
| Antimony | 2.1 | | 3.1 | Below RSL |
| Arsenic | 128 | 0.67 | 3.4 | |
| Barium | 338 | | 1500 | Below RSL |
| Beryllium | 0.61 | 1600 | 16 | Below RSL |
| Cadmium | 3.9 | 2100 | 7 | Below RSL |
| Chromium | 24.7 | | 12,000 | Below RSL |
| Cobalt | 13.2 | 420 | 2.3 | |
| Copper | 303 | | 310 | Below RSL |
| Cyanide | 0.24 | | 2.1 | Below RSL |
| Iron | 37400 | | 5500 | |
| Lead | 285 | | 40 | |
| Manganese | 871 | | 180 | |
| Mercury | 0.87 | | 2.3 | Below RSL |
| Nickel | 5.6 | 15000 | 150 | Below RSL |
| Vanadium | 68.1 | | 39 | |
| Zinc | 890 | | 2300 | Below RSL |
| 268 | | | | |
| Aluminum | 29,300 | | 7,700 | |
| Antimony | 3.1 | | 3.1 | |
| Arsenic | 124 | 0.67 | 3.4 | |
| Barium | 608 | | 1,500 | Below RSL |
| Beryllium | 1.3 | 1,600 | 16 | Below RSL |
| Cadmium | 4.6 | 2,100 | 7 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Chromium | 82.5 | | 12,000 | Below RSL |
| Cobalt | 26.3 | 420 | 2.3 | |
| Copper | 682 | | 310 | |
| Iron | 68,100 | | 5,500 | |
| Lead | 234 | | 40 | |
| Manganese | 2,760 | | 180 | |
| Mercury | 0.34 | | 2.3 | Below RSL |
| Nickel | 51.6 | 15,000 | 150 | Below RSL |
| Vanadium | 141 | | 39 | |
| Zinc | 340 | | 2,300 | Below RSL |
| 2691 | | | | |
| Aluminum | 11,700 | | 7,700 | |
| Antimony | 1.5 | | 3.1 | Below RSL |
| Arsenic | 108 | 0.67 | 3.4 | |
| Barium | 111 | | 1,500 | Below RSL |
| Beryllium | 0.45 | 1,600 | 16 | Below RSL |
| Cadmium | 1.7 | 2,100 | 7 | Below RSL |
| Chromium | 20.6 | | 12,000 | Below RSL |
| Cobalt | 10.9 | 420 | 2.3 | |
| Copper | 197 | | 310 | Below RSL |
| Iron | 39,100 | | 5,500 | |
| Lead | 463 | | 40 | |
| Manganese | 679 | | 180 | |
| Mercury | 0.44 | | 2.3 | Below RSL |
| Nickel | 15 | 15,000 | 150 | Below RSL |
| Selenium | 1.6 | | 39 | Below RSL |
| Vanadium | 43.1 | | 39 | |
| Zinc | 753 | | 2,300 | Below RSL |
| 2693 | | | | |
| Aluminum | 25,300 | | 7,700 | |
| Antimony | 1.1 | | 3.1 | Below RSL |
| Arsenic | 65 | 0.67 | 3.4 | |
| Barium | 253 | | 1,500 | Below RSL |
| Beryllium | 0.93 | 1,600 | 16 | Below RSL |
| Cadmium | 1.3 | 2,100 | 7 | Below RSL |
| Chromium | 51.9 | | 12,000 | Below RSL |
| Cobalt | 19.2 | 420 | 2.3 | |
| Copper | 160 | | 310 | Below RSL |
| Iron | 63,600 | | 5,500 | |
| Lead | 139 | | 40 | |
| Manganese | 2,380 | | 180 | |
| Mercury | 0.15 | | 2.3 | Below RSL |
| Nickel | 42.5 | 15,000 | 150 | Below RSL |
| Selenium | 1.2 | | 39 | Below RSL |
| Vanadium | 88.6 | | 39 | |
| Zinc | 344 | | 2,300 | Below RSL |
| 2701 | | | | |
| Aluminum | 15,700 | | 7,700 | |
| Arsenic | 31.4 | 0.67 | 3.4 | |
| Barium | 110 | | 1,500 | Below RSL |
| Chromium | 24.3 | | 12,000 | Below RSL |
| Cobalt | 12.7 | 420 | 2.3 | |
| Copper | 90.6 | | 310 | Below RSL |
| Iron | 31,700 | | 5,500 | |
| Lead | 57.6 | | 40 | |
| Manganese | 740 | | 180 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Nickel | 16.4 | 15,000 | 150 | Below RSL |
| Vanadium | 59.1 | | 39 | |
| Zinc | 207 | | 2,300 | Below RSL |
| 2702 | | | | |
| Aluminum | 26,300 | | 7,700 | |
| Arsenic | 32.5 | 0.67 | 3.4 | |
| Barium | 184 | | 1,500 | Below RSL |
| Chromium | 33.5 | | 12,000 | Below RSL |
| Cobalt | 14.7 | 420 | 2.3 | |
| Copper | 104 | | 310 | Below RSL |
| Iron | 41,000 | | 5,500 | |
| Lead | 35.1 | | 40 | Below RSL |
| Manganese | 1,090 | | 180 | |
| Mercury | 0.091 | | 2.3 | Below RSL |
| Nickel | 21 | 15,000 | 150 | Below RSL |
| Selenium | 1.2 | | 39 | Below RSL |
| Vanadium | 68.4 | | 39 | |
| Zinc | 166 | | 2,300 | Below RSL |
| 2704 | | | | |
| Aluminum | 20,800 | | 7,700 | |
| Arsenic | 26.9 | 0.67 | 3.4 | |
| Barium | 159 | | 1,500 | Below RSL |
| Chromium | 42.6 | | 12,000 | Below RSL |
| Cobalt | 14.9 | 420 | 2.3 | |
| Copper | 57.5 | | 310 | Below RSL |
| Iron | 42,300 | | 5,500 | |
| Lead | 38.3 | | 40 | Below RSL |
| Manganese | 1,040 | | 180 | |
| Mercury | 0.046 | | 2.3 | Below RSL |
| Nickel | 25.9 | 15,000 | 150 | Below RSL |
| Selenium | 1 | | 39 | Below RSL |
| Vanadium | 86.5 | | 39 | |
| Zinc | 155 | | 2,300 | Below RSL |
| 2707 | | | | |
| Arsenic | 37 | 0.67 | 3.4 | |
| Chromium | 27 | | 12,000 | Below RSL |
| Copper | 119 | | 310 | Below RSL |
| Iron | 37,900 | | 5,500 | |
| Lead | 64.6 | | 40 | |
| Manganese | 1,130 | | 180 | |
| Zinc | 221 | | 2,300 | Below RSL |
| 2708 | | | | |
| Aluminum | 24,200 | | 7,700 | |
| Antimony | 0.66 | | 3.1 | Below RSL |
| Arsenic | 65 | 0.67 | 3.4 | |
| Barium | 238 | | 1,500 | Below RSL |
| Beryllium | 0.79 | 1,600 | 16 | Below RSL |
| Cadmium | 1.1 | 2,100 | 7 | Below RSL |
| Chromium | 36.3 | | 12,000 | Below RSL |
| Cobalt | 17.6 | 420 | 2.3 | |
| Copper | 153 | | 310 | Below RSL |
| Iron | 39,000 | | 5,500 | |
| Lead | 348 | | 40 | |
| Manganese | 1,320 | | 180 | |
| Mercury | 0.15 | | 2.3 | Below RSL |
| Nickel | 25.1 | 15,000 | 150 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Selenium | 1.1 | | 39 | Below RSL |
| Vanadium | 69.1 | | 39 | |
| Zinc | 532 | | 2,300 | Below RSL |
| 2709 | | | | |
| Aluminum | 24,200 | | 7,700 | |
| Arsenic | 62.8 | 0.67 | 3.4 | |
| Barium | 185 | | 1,500 | Below RSL |
| Chromium | 35.9 | | 12,000 | Below RSL |
| Cobalt | 14.6 | 420 | 2.3 | |
| Copper | 136 | | 310 | Below RSL |
| Iron | 33,900 | | 5,500 | |
| Lead | 542 | | 40 | |
| Manganese | 1,050 | | 180 | |
| Mercury | 0.32 | | 2.3 | Below RSL |
| Nickel | 24.4 | 15,000 | 150 | Below RSL |
| Vanadium | 70.2 | | 39 | |
| Zinc | 468 | | 2,300 | Below RSL |
| 2710 | | | | |
| Aluminum | 23,400 | | 7,700 | |
| Arsenic | 58.3 | 0.67 | 3.4 | |
| Barium | 409 | | 1,500 | Below RSL |
| Chromium | 31.4 | | 12,000 | Below RSL |
| Cobalt | 15.5 | 420 | 2.3 | |
| Copper | 138 | | 310 | Below RSL |
| Iron | 79,100 | | 5,500 | |
| Lead | 270 | | 40 | |
| Manganese | 1,970 | | 180 | |
| Mercury | 0.27 | | 2.3 | Below RSL |
| Nickel | 21.6 | 15,000 | 150 | Below RSL |
| Vanadium | 64.9 | | 39 | |
| Zinc | 618 | | 2,300 | Below RSL |
| 2713B | | | | |
| Arsenic | 56.1 | 0.67 | 3.4 | |
| Iron | 39,200 | | 5,500 | |
| Lead | 115 | | 40 | |
| Manganese | 1,300 | | 180 | |
| Zinc | 1,730 | | 2,300 | Below RSL |
| 2715 | | | | |
| Aluminum | 12,800 | | 7,700 | |
| Arsenic | 38.2 | 0.67 | 3.4 | |
| Barium | 121 | | 1,500 | Below RSL |
| Chromium | 21.5 | | 12,000 | Below RSL |
| Cobalt | 8.8 | 420 | 2.3 | |
| Copper | 68.9 | | 310 | Below RSL |
| Iron | 27,700 | | 5,500 | |
| Lead | 93.3 | | 40 | |
| Manganese | 926 | | 180 | |
| Nickel | 15.2 | 15,000 | 150 | Below RSL |
| Vanadium | 49 | | 39 | |
| Zinc | 447 | | 2,300 | Below RSL |
| 2718 | | | | |
| Aluminum | 17,400 | | 7,700 | |
| Arsenic | 87.2 | 0.67 | 3.4 | |
| Barium | 215 | | 1,500 | Below RSL |
| Cadmium | 3.1 | 2,100 | 7 | Below RSL |
| Chromium | 39.7 | | 12,000 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cobalt | 17.1 | 420 | 2.3 | |
| Copper | 472 | | 310 | |
| Iron | 50,300 | | 5,500 | |
| Lead | 384 | | 40 | |
| Manganese | 2,220 | | 180 | |
| Mercury | 0.69 | | 2.3 | Below RSL |
| Nickel | 25 | 15,000 | 150 | Below RSL |
| Vanadium | 85.9 | | 39 | |
| Zinc | 731 | | 2,300 | Below RSL |
| 2719 | | | | |
| Aluminum | 20,900 | | 7,700 | |
| Antimony | 45.5 | | 3.1 | |
| Arsenic | 601 | 0.67 | 3.4 | |
| Barium | 209 | | 1,500 | Below RSL |
| Beryllium | 0.78 | 1,600 | 16 | Below RSL |
| Cadmium | 32.9 | 2,100 | 7 | |
| Chromium | 48.7 | | 12,000 | Below RSL |
| Cobalt | 18.5 | 420 | 2.3 | |
| Copper | 2,020 | | 310 | |
| Iron | 52,500 | | 5,500 | |
| Lead | 10,500 | | 40 | |
| Manganese | 1,930 | | 180 | |
| Mercury | 2.8 | | 2.3 | |
| Nickel | 37.1 | 15,000 | 150 | Below RSL |
| Selenium | 2.6 | | 39 | Below RSL |
| Silver | 12.2 | | 39 | Below RSL |
| Vanadium | 182 | | 39 | |
| Zinc | 2,620 | | 2,300 | |
| 2720 | | | | |
| Aluminum | 20,800 | | 7,700 | |
| Arsenic | 101 | 0.67 | 3.4 | |
| Barium | 231 | | 1,500 | Below RSL |
| Cadmium | 4.4 | 2,100 | 7 | Below RSL |
| Chromium | 59.2 | | 12,000 | Below RSL |
| Cobalt | 20.9 | 420 | 2.3 | |
| Copper | 373 | | 310 | |
| Iron | 48,800 | | 5,500 | |
| Lead | 135 | | 40 | |
| Manganese | 1,930 | | 180 | |
| Mercury | 0.28 | | 2.3 | Below RSL |
| Nickel | 37.5 | 15,000 | 150 | Below RSL |
| Selenium | 1.7 | | 39 | Below RSL |
| Vanadium | 126 | | 39 | |
| Zinc | 452 | | 2,300 | Below RSL |
| 2723 | | | | |
| Aluminum | 23,400 | | 7,700 | |
| Arsenic | 50.5 | 0.67 | 3.4 | |
| Barium | 160 | | 1,500 | Below RSL |
| Chromium | 23.2 | | 12,000 | Below RSL |
| Cobalt | 13.4 | 420 | 2.3 | |
| Copper | 38.7 | | 310 | Below RSL |
| Iron | 43,400 | | 5,500 | |
| Lead | 58.4 | | 40 | |
| Manganese | 1,800 | | 180 | |
| Nickel | 15.2 | 15,000 | 150 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 80.4 | | 39 | |
| Zinc | 281 | | 2,300 | Below RSL |
| 2724 | | | | |
| Aluminum | 12,700 | | 7,700 | |
| Arsenic | 41.6 | 0.67 | 3.4 | |
| Barium | 110 | | 1,500 | Below RSL |
| Chromium | 23.5 | | 12,000 | Below RSL |
| Cobalt | 8.9 | 420 | 2.3 | |
| Copper | 47.2 | | 310 | Below RSL |
| Iron | 58,600 | | 5,500 | |
| Lead | 81 | | 40 | |
| Manganese | 1,580 | | 180 | |
| Mercury | 0.015 | | 2.3 | Below RSL |
| Nickel | 16.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.35 | | 39 | Below RSL |
| Vanadium | 52.6 | | 39 | |
| Zinc | 371 | | 2,300 | Below RSL |
| 2725 | | | | |
| Aluminum | 30,800 | | 7,700 | |
| Arsenic | 120 | 0.67 | 3.4 | |
| Barium | 272 | | 1,500 | Below RSL |
| Cadmium | 2.3 | 2,100 | 7 | Below RSL |
| Chromium | 51.5 | | 12,000 | Below RSL |
| Cobalt | 19.2 | 420 | 2.3 | |
| Copper | 369 | | 310 | |
| Iron | 55,600 | | 5,500 | |
| Lead | 287 | | 40 | |
| Manganese | 2,350 | | 180 | |
| Mercury | 0.14 | | 2.3 | Below RSL |
| Nickel | 36.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.95 | | 39 | Below RSL |
| Vanadium | 109 | | 39 | |
| Zinc | 1,190 | | 2,300 | Below RSL |
| 2726 | | | | |
| Aluminum | 25,200 | | 7,700 | |
| Arsenic | 55 | 0.67 | 3.4 | |
| Barium | 321 | | 1,500 | Below RSL |
| Beryllium | 0.8 | 1,600 | 16 | Below RSL |
| Chromium | 50.8 | | 12,000 | Below RSL |
| Cobalt | 19.3 | 420 | 2.3 | |
| Copper | 125 | | 310 | Below RSL |
| Iron | 53,000 | | 5,500 | |
| Lead | 107 | | 40 | |
| Manganese | 2,420 | | 180 | |
| Nickel | 36.3 | 15,000 | 150 | Below RSL |
| Vanadium | 102 | | 39 | |
| Zinc | 356 | | 2,300 | Below RSL |
| 2736 | | | | |
| Aluminum | 19,100 | | 7,700 | |
| Arsenic | 110 | 0.67 | 3.4 | |
| Barium | 177 | | 1,500 | Below RSL |
| Chromium | 41.4 | | 12,000 | Below RSL |
| Cobalt | 17.7 | 420 | 2.3 | |
| Copper | 45.6 | | 310 | Below RSL |
| Iron | 58,600 | | 5,500 | |
| Lead | 25.8 | | 40 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|---------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Manganese | 1,630 | | 180 | |
| Nickel | 31.7 | 15,000 | 150 | Below RSL |
| Vanadium | 80.5 | | 39 | |
| Zinc | 171 | | 2,300 | Below RSL |
| 2740 | | | | |
| Aluminum | 21,200 | | 7,700 | |
| Arsenic | 82.8 | 0.67 | 3.4 | |
| Barium | 163 | | 1,500 | Below RSL |
| Chromium | 40.5 | | 12,000 | Below RSL |
| Cobalt | 12.8 | 420 | 2.3 | |
| Copper | 133 | | 310 | Below RSL |
| Iron | 34,000 | | 5,500 | |
| Lead | 65.5 | | 40 | |
| Manganese | 1,250 | | 180 | |
| Mercury | 0.17 | | 2.3 | Below RSL |
| Nickel | 30.7 | 15,000 | 150 | Below RSL |
| Vanadium | 65.9 | | 39 | |
| Zinc | 277 | | 2,300 | Below RSL |
| 2741 | | | | |
| Aluminum | 21,600 | | 7,700 | |
| Arsenic | 65 | 0.67 | 3.4 | |
| Barium | 109 | | 1,500 | Below RSL |
| Chromium | 38.9 | | 12,000 | Below RSL |
| Cobalt | 12 | 420 | 2.3 | |
| Copper | 50 | | 310 | Below RSL |
| Iron | 39,500 | | 5,500 | |
| Lead | 252 | | 40 | |
| Manganese | 1,020 | | 180 | |
| Mercury | 0.43 | | 2.3 | Below RSL |
| Nickel | 25.9 | 15,000 | 150 | Below RSL |
| Vanadium | 70.4 | | 39 | |
| Zinc | 388 | | 2,300 | Below RSL |
| 2743A | | | | |
| Aluminum | 20,700 | | 7,700 | |
| Arsenic | 40.4 | 0.67 | 3.4 | |
| Barium | 143 | | 1,500 | Below RSL |
| Beryllium | 0.44 | 1,600 | 16 | Below RSL |
| Chromium | 36.7 | | 12,000 | Below RSL |
| Cobalt | 12.5 | 420 | 2.3 | |
| Copper | 55.8 | | 310 | Below RSL |
| Iron | 33,400 | | 5,500 | |
| Lead | 18.6 | | 40 | Below RSL |
| Manganese | 681 | | 180 | |
| Nickel | 20 | 15,000 | 150 | Below RSL |
| Vanadium | 71.9 | | 39 | |
| Zinc | 108 | | 2,300 | Below RSL |
| 2743BC | | | | |
| Aluminum | 15,800 | | 7,700 | |
| Arsenic | 23.4 | 0.67 | 3.4 | |
| Barium | 106 | | 1,500 | Below RSL |
| Chromium | 32.1 | | 12,000 | Below RSL |
| Cobalt | 12.9 | 420 | 2.3 | |
| Copper | 38 | | 310 | Below RSL |
| Iron | 36,100 | | 5,500 | |
| Lead | 22.2 | | 40 | Below RSL |
| Manganese | 700 | | 180 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Nickel | 19.7 | 15,000 | 150 | Below RSL |
| Vanadium | 80.9 | | 39 | |
| Zinc | 115 | | 2,300 | Below RSL |
| 2743D | | | | |
| Aluminum | 17,300 | | 7,700 | |
| Arsenic | 558 | 0.67 | 3.4 | |
| Barium | 99.2 | | 1,500 | Below RSL |
| Chromium | 27.5 | | 12,000 | Below RSL |
| Cobalt | 10.4 | 420 | 2.3 | |
| Copper | 29.9 | | 310 | Below RSL |
| Iron | 40,700 | | 5,500 | |
| Lead | 117 | | 40 | |
| Manganese | 1,240 | | 180 | |
| Nickel | 18.1 | 15,000 | 150 | Below RSL |
| Vanadium | 61.8 | | 39 | |
| Zinc | 404 | | 2,300 | Below RSL |
| 2743E | | | | |
| Aluminum | 18,600 | | 7,700 | |
| Arsenic | 33.7 | 0.67 | 3.4 | |
| Barium | 152 | | 1,500 | Below RSL |
| Beryllium | 0.42 | 1,600 | 16 | Below RSL |
| Chromium | 37.6 | | 12,000 | Below RSL |
| Cobalt | 17.9 | 420 | 2.3 | |
| Copper | 41.6 | | 310 | Below RSL |
| Iron | 34,300 | | 5,500 | |
| Lead | 12.9 | | 40 | Below RSL |
| Manganese | 934 | | 180 | |
| Nickel | 44.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.21 | | 39 | Below RSL |
| Vanadium | 85.2 | | 39 | |
| Zinc | 98 | | 2,300 | Below RSL |
| 2748 | | | | |
| Aluminum | 25,400 | | 7,700 | |
| Arsenic | 91 | 0.67 | 3.4 | |
| Barium | 234 | | 1,500 | Below RSL |
| Chromium | 56.4 | | 12,000 | Below RSL |
| Cobalt | 22.8 | 420 | 2.3 | |
| Copper | 110 | | 310 | Below RSL |
| Iron | 60,700 | | 5,500 | |
| Lead | 337 | | 40 | |
| Manganese | 1,440 | | 180 | |
| Nickel | 42.1 | 15,000 | 150 | Below RSL |
| Vanadium | 115 | | 39 | |
| Zinc | 136 | | 2,300 | Below RSL |
| 2749 | | | | |
| Aluminum | 20,000 | | 7,700 | |
| Arsenic | 58.3 | 0.67 | 3.4 | |
| Barium | 102 | | 1,500 | Below RSL |
| Chromium | 24.4 | | 12,000 | Below RSL |
| Cobalt | 10.6 | 420 | 2.3 | |
| Copper | 54.3 | | 310 | Below RSL |
| Iron | 39,100 | | 5,500 | |
| Lead | 32.7 | | 40 | Below RSL |
| Manganese | 862 | | 180 | |
| Nickel | 17.2 | 15,000 | 150 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 49 | | 39 | |
| Zinc | 171 | | 2,300 | Below RSL |
| 2752 | | | | |
| Aluminum | 18,500 | | 7,700 | |
| Antimony | 0.56 | | 3.1 | Below RSL |
| Arsenic | 42.7 | 0.67 | 3.4 | |
| Barium | 156 | | 1,500 | Below RSL |
| Beryllium | 0.63 | 1,600 | 16 | Below RSL |
| Cadmium | 0.61 | 2,100 | 7 | Below RSL |
| Chromium | 36.2 | | 12,000 | Below RSL |
| Cobalt | 13.6 | 420 | 2.3 | |
| Copper | 93.2 | | 310 | Below RSL |
| Iron | 34,600 | | 5,500 | |
| Lead | 65.5 | | 40 | |
| Manganese | 1,070 | | 180 | |
| Mercury | 0.16 | | 2.3 | Below RSL |
| Nickel | 24.4 | 15,000 | 150 | Below RSL |
| Selenium | 0.89 | | 39 | Below RSL |
| Vanadium | 62.1 | | 39 | |
| Zinc | 180 | | 2,300 | Below RSL |
| 2753 | | | | |
| Arsenic | 43.8 | 0.67 | 3.4 | |
| Chromium | 40.6 | | 12,000 | Below RSL |
| Copper | 216 | | 310 | Below RSL |
| Iron | 37,600 | | 5,500 | |
| Lead | 67.3 | | 40 | |
| Manganese | 1,630 | | 180 | |
| Zinc | 205 | | 2,300 | Below RSL |
| 2755 | | | | |
| Aluminum | 23,100 | | 7,700 | |
| Arsenic | 181 | 0.67 | 3.4 | |
| Barium | 177 | | 1,500 | Below RSL |
| Chromium | 43.6 | | 12,000 | Below RSL |
| Cobalt | 16.1 | 420 | 2.3 | |
| Copper | 288 | | 310 | Below RSL |
| Iron | 51,000 | | 5,500 | |
| Lead | 105 | | 40 | |
| Manganese | 1,960 | | 180 | |
| Mercury | 0.18 | | 2.3 | Below RSL |
| Nickel | 25.1 | 15,000 | 150 | Below RSL |
| Vanadium | 93.5 | | 39 | |
| Zinc | 279 | | 2,300 | Below RSL |
| 2756 | | | | |
| Aluminum | 17,500 | | 7,700 | |
| Arsenic | 69.5 | 0.67 | 3.4 | |
| Barium | 163 | | 1,500 | Below RSL |
| Chromium | 25.9 | | 12,000 | Below RSL |
| Cobalt | 11.4 | 420 | 2.3 | |
| Copper | 79.3 | | 310 | Below RSL |
| Iron | 37,000 | | 5,500 | |
| Lead | 109 | | 40 | |
| Manganese | 1,050 | | 180 | |
| Nickel | 16.8 | 15,000 | 150 | Below RSL |
| Vanadium | 61.8 | | 39 | |
| Zinc | 320 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|-----------|-----------------------|----------------------|-------------------|-----------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| 2801 | | | | |
| Aluminum | 58,300 | | 7,700 | |
| Arsenic | 123 | 0.67 | 3.4 | |
| Barium | 487 | | 1,500 | Below RSL |
| Beryllium | 1.9 | 1,600 | 16 | Below RSL |
| Chromium | 109 | | 12,000 | Below RSL |
| Cobalt | 26 | 420 | 2.3 | |
| Copper | 72.7 | | 310 | Below RSL |
| Iron | 53,100 | | 5,500 | |
| Lead | 171 | | 40 | |
| Manganese | 2,300 | | 180 | |
| Nickel | 124 | 15,000 | 150 | Below RSL |
| Vanadium | 109 | | 39 | |
| Zinc | 303 | | 2,300 | Below RSL |
| 2804 | | | | |
| Aluminum | 51,800 | | 7,700 | |
| Arsenic | 68.1 | 0.67 | 3.4 | |
| Barium | 1,250 | | 1,500 | Below RSL |
| Beryllium | 1.7 | 1,600 | 16 | Below RSL |
| Cadmium | 3.1 | 2,100 | 7 | Below RSL |
| Chromium | 140 | | 12,000 | Below RSL |
| Cobalt | 31.1 | 420 | 2.3 | |
| Copper | 420 | | 310 | |
| Iron | 46,000 | | 5,500 | |
| Lead | 120 | | 40 | |
| Manganese | 1,150 | | 180 | |
| Mercury | 0.2 | | 2.3 | Below RSL |
| Nickel | 150 | 15,000 | 150 | |
| Selenium | 1.9 | | 39 | Below RSL |
| Vanadium | 110 | | 39 | |
| Zinc | 293 | | 2,300 | Below RSL |
| 2805 | | | | |
| Aluminum | 25,500 | | 7,700 | |
| Arsenic | 103 | 0.67 | 3.4 | |
| Barium | 222 | | 1,500 | Below RSL |
| Chromium | 73.8 | | 12,000 | Below RSL |
| Cobalt | 32.9 | 420 | 2.3 | |
| Copper | 93.9 | | 310 | Below RSL |
| Iron | 73,300 | | 5,500 | |
| Lead | 51.5 | | 40 | |
| Manganese | 2,120 | | 180 | |
| Mercury | 0.042 | | 2.3 | Below RSL |
| Nickel | 46.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.96 | | 39 | Below RSL |
| Vanadium | 172 | | 39 | |
| Zinc | 195 | | 2,300 | Below RSL |
| 2806 | | | | |
| Aluminum | 25,400 | | 7,700 | |
| Arsenic | 134 | 0.67 | 3.4 | |
| Barium | 260 | | 1,500 | Below RSL |
| Chromium | 52.7 | | 12,000 | Below RSL |
| Cobalt | 23.6 | 420 | 2.3 | |
| Copper | 60.7 | | 310 | Below RSL |
| Iron | 67,500 | | 5,500 | |
| Lead | 36.7 | | 40 | Below RSL |
| Manganese | 3,330 | | 180 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Mercury | 0.029 | | 2.3 | Below RSL |
| Nickel | 40.3 | 15,000 | 150 | Below RSL |
| Selenium | 0.59 | | 39 | Below RSL |
| Vanadium | 175 | | 39 | |
| Zinc | 186 | | 2,300 | Below RSL |
| 2807 | | | | |
| Aluminum | 29,800 | | 7,700 | |
| Arsenic | 77.2 | 0.67 | 3.4 | |
| Barium | 250 | | 1,500 | Below RSL |
| Chromium | 74.7 | | 12,000 | Below RSL |
| Cobalt | 24.3 | 420 | 2.3 | |
| Copper | 156 | | 310 | Below RSL |
| Iron | 84,400 | | 5,500 | |
| Lead | 55.2 | | 40 | |
| Manganese | 3,570 | | 180 | |
| Nickel | 38.5 | 15,000 | 150 | Below RSL |
| Thallium | 0.36 | | 0.078 | |
| Vanadium | 124 | | 39 | |
| Zinc | 133 | | 2,300 | Below RSL |
| 2808 | | | | |
| Aluminum | 35,600 | | 7,700 | |
| Arsenic | 406 | 0.67 | 3.4 | |
| Barium | 319 | | 1,500 | Below RSL |
| Chromium | 56.6 | | 12,000 | Below RSL |
| Cobalt | 19.5 | 420 | 2.3 | |
| Copper | 86.2 | | 310 | Below RSL |
| Iron | 88,100 | | 5,500 | |
| Lead | 36.7 | | 40 | Below RSL |
| Manganese | 3,120 | | 180 | |
| Nickel | 35.4 | 15,000 | 150 | Below RSL |
| Thallium | 0.26 | | 0.078 | |
| Vanadium | 124 | | 39 | |
| Zinc | 196 | | 2,300 | Below RSL |
| 2810 | | | | |
| Arsenic | 79.4 | 0.67 | 3.4 | |
| Chromium | 64 | | 12,000 | Below RSL |
| Copper | 68.7 | | 310 | Below RSL |
| Iron | 91,500 | | 5,500 | |
| Lead | 56.7 | | 40 | |
| Manganese | 4,980 | | 180 | |
| Zinc | 129 | | 2,300 | Below RSL |
| 2901 | | | | |
| Aluminum | 23,800 | | 7,700 | |
| Arsenic | 290 | 0.67 | 3.4 | |
| Barium | 146 | | 1,500 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |
| Cadmium | 0.6 | 2,100 | 7 | Below RSL |
| Chromium | 82.4 | | 12,000 | Below RSL |
| Cobalt | 28.8 | 420 | 2.3 | |
| Copper | 106 | | 310 | Below RSL |
| Iron | 103,000 | | 5,500 | |
| Lead | 136 | | 40 | |
| Manganese | 5,290 | | 180 | |
| Mercury | 0.059 | | 2.3 | Below RSL |
| Nickel | 44.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.75 | | 39 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Silver | 0.18 | | 39 | Below RSL |
| Vanadium | 254 | | 39 | |
| Zinc | 277 | | 2,300 | Below RSL |
| 2903 | | | | |
| Aluminum | 36,300 | | 7,700 | |
| Arsenic | 170 | 0.67 | 3.4 | |
| Barium | 150 | | 1,500 | Below RSL |
| Chromium | 110 | | 12,000 | Below RSL |
| Cobalt | 58.9 | 420 | 2.3 | |
| Copper | 139 | | 310 | Below RSL |
| Iron | 115,000 | | 5,500 | |
| Lead | 42.3 | | 40 | |
| Manganese | 9,630 | | 180 | |
| Nickel | 69.4 | 15,000 | 150 | Below RSL |
| Vanadium | 343 | | 39 | |
| Zinc | 177 | | 2,300 | Below RSL |
| 3001 | | | | |
| Aluminum | 26,200 | | 7,700 | |
| Arsenic | 132 | 0.67 | 3.4 | |
| Barium | 196 | | 1,500 | Below RSL |
| Beryllium | 0.93 | 1,600 | 16 | Below RSL |
| Cadmium | 3.3 | 2,100 | 7 | Below RSL |
| Chromium | 84 | | 12,000 | Below RSL |
| Cobalt | 32.5 | 420 | 2.3 | |
| Copper | 626 | | 310 | |
| Iron | 85,700 | | 5,500 | |
| Lead | 187 | | 40 | |
| Manganese | 1,460 | | 180 | |
| Mercury | 0.31 | | 2.3 | Below RSL |
| Nickel | 63.4 | 15,000 | 150 | Below RSL |
| Selenium | 1.8 | | 39 | Below RSL |
| Vanadium | 131 | | 39 | |
| Zinc | 366 | | 2,300 | Below RSL |
| 3004 | | | | |
| Aluminum | 54,400 | | 7,700 | |
| Arsenic | 297 | 0.67 | 3.4 | |
| Barium | 65.4 | | 1,500 | Below RSL |
| Beryllium | 0.25 | 1,600 | 16 | Below RSL |
| Cadmium | 4.7 | 2,100 | 7 | Below RSL |
| Chromium | 250 | | 12,000 | Below RSL |
| Cobalt | 45.6 | 420 | 2.3 | |
| Copper | 634 | | 310 | |
| Iron | 92,900 | | 5,500 | |
| Lead | 694 | | 40 | |
| Manganese | 1,710 | | 180 | |
| Nickel | 104 | 15,000 | 150 | Below RSL |
| Selenium | 0.91 | | 39 | Below RSL |
| Vanadium | 229 | | 39 | |
| Zinc | 454 | | 2,300 | Below RSL |
| 3005 | | | | |
| Aluminum | 32,800 | | 7,700 | |
| Arsenic | 262 | 0.67 | 3.4 | |
| Barium | 94.9 | | 1,500 | Below RSL |
| Beryllium | 0.42 | 1,600 | 16 | Below RSL |
| Cadmium | 2.9 | 2,100 | 7 | Below RSL |
| Chromium | 119 | | 12,000 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cobalt | 48.1 | 420 | 2.3 | |
| Copper | 473 | | 310 | |
| Iron | 72,100 | | 5,500 | |
| Lead | 531 | | 40 | |
| Manganese | 1,780 | | 180 | |
| Mercury | 0.18 | | 2.3 | Below RSL |
| Nickel | 82.3 | 15,000 | 150 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Vanadium | 170 | | 39 | |
| Zinc | 424 | | 2,300 | Below RSL |
| 3006A | | | | |
| Aluminum | 32,300 | | 7,700 | |
| Antimony | 0.7 | | 3.1 | Below RSL |
| Arsenic | 264 | 0.67 | 3.4 | |
| Barium | 105 | | 1,500 | Below RSL |
| Beryllium | 0.44 | 1,600 | 16 | Below RSL |
| Cadmium | 1.3 | 2,100 | 7 | Below RSL |
| Chromium | 155 | | 12,000 | Below RSL |
| Cobalt | 32.5 | 420 | 2.3 | |
| Copper | 211 | | 310 | Below RSL |
| Iron | 93,000 | | 5,500 | |
| Lead | 251 | | 40 | |
| Manganese | 2,660 | | 180 | |
| Mercury | 0.077 | | 2.3 | Below RSL |
| Nickel | 61.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.8 | | 39 | Below RSL |
| Vanadium | 211 | | 39 | |
| Zinc | 234 | | 2,300 | Below RSL |
| 3006B | | | | |
| Aluminum | 46,900 | | 7,700 | |
| Arsenic | 106 | 0.67 | 3.4 | |
| Barium | 110 | | 1,500 | Below RSL |
| Beryllium | 0.32 | 1,600 | 16 | Below RSL |
| Cadmium | 0.74 | 2,100 | 7 | Below RSL |
| Chromium | 172 | | 12,000 | Below RSL |
| Cobalt | 39.2 | 420 | 2.3 | |
| Copper | 136 | | 310 | Below RSL |
| Iron | 79,900 | | 5,500 | |
| Lead | 117 | | 40 | |
| Manganese | 1,990 | | 180 | |
| Mercury | 0.033 | | 2.3 | Below RSL |
| Nickel | 66.1 | 15,000 | 150 | Below RSL |
| Selenium | 0.4 | | 39 | Below RSL |
| Vanadium | 233 | | 39 | |
| Zinc | 226 | | 2,300 | Below RSL |
| 3008 | | | | |
| Aluminum | 42,000 | | 7,700 | |
| Arsenic | 220 | 0.67 | 3.4 | |
| Barium | 147 | | 1,500 | Below RSL |
| Beryllium | 0.58 | 1,600 | 16 | Below RSL |
| Cadmium | 0.18 | 2,100 | 7 | Below RSL |
| Chromium | 97.7 | | 12,000 | Below RSL |
| Cobalt | 44.3 | 420 | 2.3 | |
| Copper | 207 | | 310 | Below RSL |
| Iron | 92,500 | | 5,500 | |
| Lead | 196 | | 40 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Manganese | 1,710 | | 180 | |
| Mercury | 0.019 | | 2.3 | Below RSL |
| Nickel | 56.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.62 | | 39 | Below RSL |
| Vanadium | 310 | | 39 | |
| Zinc | 330 | | 2,300 | Below RSL |
| 3009 | | | | |
| Aluminum | 39,000 | | 7,700 | |
| Antimony | 4.5 | | 3.1 | |
| Arsenic | 434 | 0.67 | 3.4 | |
| Barium | 94.2 | | 1,500 | Below RSL |
| Cadmium | 5.9 | 2,100 | 7 | Below RSL |
| Chromium | 223 | | 12,000 | Below RSL |
| Cobalt | 53 | 420 | 2.3 | |
| Copper | 1,930 | | 310 | |
| Iron | 81,900 | | 5,500 | |
| Lead | 255 | | 40 | |
| Manganese | 1,630 | | 180 | |
| Mercury | 3.1 | | 2.3 | |
| Nickel | 96.3 | 15,000 | 150 | Below RSL |
| Selenium | 5.3 | | 39 | Below RSL |
| Silver | 6.1 | | 39 | Below RSL |
| Vanadium | 216 | | 39 | |
| Zinc | 633 | | 2,300 | Below RSL |
| 3010 | | | | |
| Aluminum | 22,500 | | 7,700 | |
| Arsenic | 277 | 0.67 | 3.4 | |
| Barium | 159 | | 1,500 | Below RSL |
| Chromium | 81.7 | | 12,000 | Below RSL |
| Cobalt | 52.1 | 420 | 2.3 | |
| Copper | 230 | | 310 | Below RSL |
| Iron | 108,000 | | 5,500 | |
| Lead | 188 | | 40 | |
| Manganese | 2,740 | | 180 | |
| Nickel | 64.3 | 15,000 | 150 | Below RSL |
| Vanadium | 327 | | 39 | |
| Zinc | 324 | | 2,300 | Below RSL |
| 3011 | | | | |
| Aluminum | 29,800 | | 7,700 | |
| Arsenic | 171 | 0.67 | 3.4 | |
| Barium | 56.1 | | 1,500 | Below RSL |
| Chromium | 102 | | 12,000 | Below RSL |
| Cobalt | 32.1 | 420 | 2.3 | |
| Copper | 209 | | 310 | Below RSL |
| Iron | 82,600 | | 5,500 | |
| Lead | 135 | | 40 | |
| Manganese | 1,660 | | 180 | |
| Nickel | 49.6 | 15,000 | 150 | Below RSL |
| Vanadium | 189 | | 39 | |
| Zinc | 312 | | 2,300 | Below RSL |
| 3012 | | | | |
| Aluminum | 34,800 | | 7,700 | |
| Arsenic | 190 | 0.67 | 3.4 | |
| Barium | 64.4 | | 1,500 | Below RSL |
| Beryllium | 0.32 | 1,600 | 16 | Below RSL |
| Chromium | 106 | | 12,000 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cobalt | 33.2 | 420 | 2.3 | |
| Copper | 344 | | 310 | |
| Iron | 86,900 | | 5,500 | |
| Lead | 154 | | 40 | |
| Manganese | 1,640 | | 180 | |
| Mercury | 0.18 | | 2.3 | Below RSL |
| Nickel | 53 | 15,000 | 150 | Below RSL |
| Selenium | 1.5 | | 39 | Below RSL |
| Silver | 0.58 | | 39 | Below RSL |
| Vanadium | 209 | | 39 | |
| Zinc | 326 | | 2,300 | Below RSL |
| 3013A | | | | |
| Aluminum | 40,900 | | 7,700 | |
| Arsenic | 154 | 0.67 | 3.4 | |
| Barium | 72.2 | | 1,500 | Below RSL |
| Beryllium | 0.43 | 1,600 | 16 | Below RSL |
| Cadmium | 3.9 | 2,100 | 7 | Below RSL |
| Chromium | 184 | | 12,000 | Below RSL |
| Cobalt | 50.9 | 420 | 2.3 | |
| Copper | 772 | | 310 | |
| Iron | 93,400 | | 5,500 | |
| Lead | 128 | | 40 | |
| Manganese | 2,360 | | 180 | |
| Mercury | 0.23 | | 2.3 | Below RSL |
| Nickel | 92.8 | 15,000 | 150 | Below RSL |
| Selenium | 1.8 | | 39 | Below RSL |
| Vanadium | 272 | | 39 | |
| Zinc | 327 | | 2,300 | Below RSL |
| 3013B | | | | |
| Aluminum | 33,700 | | 7,700 | |
| Arsenic | 144 | 0.67 | 3.4 | |
| Barium | 44 | | 1,500 | Below RSL |
| Beryllium | 0.29 | 1,600 | 16 | Below RSL |
| Cadmium | 2.6 | 2,100 | 7 | Below RSL |
| Chromium | 143 | | 12,000 | Below RSL |
| Cobalt | 42.5 | 420 | 2.3 | |
| Copper | 592 | | 310 | |
| Iron | 72,500 | | 5,500 | |
| Lead | 165 | | 40 | |
| Manganese | 2,000 | | 180 | |
| Mercury | 0.12 | | 2.3 | Below RSL |
| Nickel | 77.7 | 15,000 | 150 | Below RSL |
| Selenium | 1.4 | | 39 | Below RSL |
| Vanadium | 202 | | 39 | |
| Zinc | 294 | | 2,300 | Below RSL |
| 3015 | | | | |
| Aluminum | 31,900 | | 7,700 | |
| Antimony | 3.4 | | 3.1 | |
| Arsenic | 311 | 0.67 | 3.4 | |
| Barium | 158 | | 1,500 | Below RSL |
| Beryllium | 0.37 | 1,600 | 16 | Below RSL |
| Cadmium | 1.9 | 2,100 | 7 | Below RSL |
| Chromium | 50.7 | | 12,000 | Below RSL |
| Cobalt | 33.6 | 420 | 2.3 | |
| Copper | 103 | | 310 | Below RSL |
| Iron | 103,000 | | 5,500 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Lead | 241 | | 40 | |
| Manganese | 2,630 | | 180 | |
| Nickel | 39.6 | 15,000 | 150 | Below RSL |
| Selenium | 9.7 | | 39 | Below RSL |
| Silver | 7.8 | | 39 | Below RSL |
| Thallium | 0.6 | | 0.078 | |
| Vanadium | 258 | | 39 | |
| Zinc | 346 | | 2,300 | Below RSL |
| 303 | | | | |
| Aluminum | 28,300 | | 7,700 | |
| Arsenic | 44.9 | 0.67 | 3.4 | |
| Barium | 303 | | 1,500 | Below RSL |
| Beryllium | 0.73 | 1,600 | 16 | Below RSL |
| Chromium | 49.7 | | 12,000 | Below RSL |
| Cobalt | 16.2 | 420 | 2.3 | |
| Copper | 139 | | 310 | Below RSL |
| Iron | 46,500 | | 5,500 | |
| Lead | 49.8 | | 40 | |
| Manganese | 1,840 | | 180 | |
| Nickel | 46.3 | 15,000 | 150 | Below RSL |
| Vanadium | 75.6 | | 39 | |
| Zinc | 267 | | 2,300 | Below RSL |
| 307 | | | | |
| Aluminum | 21,000 | | 7,700 | |
| Arsenic | 62.2 | 0.67 | 3.4 | |
| Barium | 140 | | 1,500 | Below RSL |
| Beryllium | 0.65 | 1,600 | 16 | Below RSL |
| Chromium | 25.8 | | 12,000 | Below RSL |
| Cobalt | 9.7 | 420 | 2.3 | |
| Copper | 67.3 | | 310 | Below RSL |
| Iron | 65,600 | | 5,500 | |
| Lead | 171 | | 40 | |
| Manganese | 1,150 | | 180 | |
| Mercury | 0.25 | | 2.3 | Below RSL |
| Nickel | 16.8 | 15,000 | 150 | Below RSL |
| Selenium | 1.3 | | 39 | Below RSL |
| Vanadium | 47.7 | | 39 | |
| Zinc | 504 | | 2,300 | Below RSL |
| 308 | | | | |
| Aluminum | 15,300 | | 7,700 | |
| Arsenic | 78.3 | 0.67 | 3.4 | |
| Barium | 164 | | 1,500 | Below RSL |
| Chromium | 21.4 | | 12,000 | Below RSL |
| Cobalt | 9.3 | 420 | 2.3 | |
| Copper | 142 | | 310 | Below RSL |
| Iron | 37,600 | | 5,500 | |
| Lead | 376 | | 40 | |
| Manganese | 703 | | 180 | |
| Mercury | 0.44 | | 2.3 | Below RSL |
| Nickel | 16 | 15,000 | 150 | Below RSL |
| Vanadium | 45.2 | | 39 | |
| Zinc | 700 | | 2,300 | Below RSL |
| 309 | | | | |
| Aluminum | 18,900 | | 7,700 | |
| Arsenic | 256 | 0.67 | 3.4 | |
| Barium | 158 | | 1,500 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Cadmium | 0.18 | 2,100 | 7 | Below RSL |
| Chromium | 108 | | 12,000 | Below RSL |
| Cobalt | 29.7 | 420 | 2.3 | |
| Copper | 65.9 | | 310 | Below RSL |
| Iron | 58,500 | | 5,500 | |
| Lead | 19.3 | | 40 | Below RSL |
| Manganese | 5,600 | | 180 | |
| Nickel | 78.5 | 15,000 | 150 | Below RSL |
| Selenium | 0.85 | | 39 | Below RSL |
| Vanadium | 103 | | 39 | |
| Zinc | 78.2 | | 2,300 | Below RSL |
| 310 | | | | |
| Aluminum | 19,100 | | 7,700 | |
| Arsenic | 37 | 0.67 | 3.4 | |
| Barium | 139 | | 1,500 | Below RSL |
| Chromium | 22.7 | | 12,000 | Below RSL |
| Cobalt | 8.2 | 420 | 2.3 | |
| Copper | 42.9 | | 310 | Below RSL |
| Iron | 30,800 | | 5,500 | |
| Lead | 206 | | 40 | |
| Manganese | 894 | | 180 | |
| Mercury | 0.079 | | 2.3 | Below RSL |
| Nickel | 16 | 15,000 | 150 | Below RSL |
| Selenium | 0.78 | | 39 | Below RSL |
| Vanadium | 46.4 | | 39 | |
| Zinc | 265 | | 2,300 | Below RSL |
| 311 | | | | |
| Aluminum | 15,800 | | 7,700 | |
| Arsenic | 32.5 | 0.67 | 3.4 | |
| Barium | 110 | | 1,500 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |
| Cadmium | 0.75 | 2,100 | 7 | Below RSL |
| Chromium | 21.4 | | 12,000 | Below RSL |
| Cobalt | 8 | 420 | 2.3 | |
| Copper | 54.8 | | 310 | Below RSL |
| Iron | 30,900 | | 5,500 | |
| Lead | 57.6 | | 40 | |
| Manganese | 934 | | 180 | |
| Mercury | 0.13 | | 2.3 | Below RSL |
| Nickel | 12.9 | 15,000 | 150 | Below RSL |
| Vanadium | 47.9 | | 39 | |
| Zinc | 363 | | 2,300 | Below RSL |
| 40W | | | | |
| Aluminum | 11,500 | | 7,700 | |
| Antimony | 1.9 | | 3.1 | Below RSL |
| Arsenic | 58.3 | 0.67 | 3.4 | |
| Barium | 150 | | 1,500 | Below RSL |
| Beryllium | 0.74 | 1,600 | 16 | Below RSL |
| Cadmium | 1 | 2,100 | 7 | Below RSL |
| Chromium | 34.8 | | 12,000 | Below RSL |
| Cobalt | 13.9 | 420 | 2.3 | |
| Copper | 119 | | 310 | Below RSL |
| Iron | 25,400 | | 5,500 | |
| Lead | 78.2 | | 40 | |
| Manganese | 881 | | 180 | |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Mercury | 0.09 | | 2.3 | Below RSL |
| Nickel | 32.2 | 15,000 | 150 | Below RSL |
| Silver | 2.7 | | 39 | Below RSL |
| Vanadium | 42.1 | | 39 | |
| Zinc | 139 | | 2,300 | Below RSL |
| 45065 | | | | |
| Aluminum | 24,900 | | 7,700 | |
| Arsenic | 48.7 | 0.67 | 3.4 | |
| Barium | 373 | | 1,500 | Below RSL |
| Beryllium | 0.41 | 1,600 | 16 | Below RSL |
| Cadmium | 2.6 | 2,100 | 7 | Below RSL |
| Chromium | 47.4 | | 12,000 | Below RSL |
| Cobalt | 19.3 | 420 | 2.3 | |
| Copper | 109 | | 310 | Below RSL |
| Iron | 36,600 | | 5,500 | |
| Lead | 27.8 | | 40 | Below RSL |
| Manganese | 2,470 | | 180 | |
| Mercury | 0.049 | | 2.3 | Below RSL |
| Nickel | 52.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.69 | | 39 | Below RSL |
| Silver | 0.23 | | 39 | Below RSL |
| Sulfate | 7.8 | | | |
| Thallium | 2.5 | | 0.078 | |
| Vanadium | 83.4 | | 39 | |
| Zinc | 85.8 | | 2,300 | Below RSL |
| 45066 | | | | |
| Aluminum | 35,900 | | 7,700 | |
| Antimony | 7.3 | | 3.1 | |
| Arsenic | 212 | 0.67 | 3.4 | |
| Barium | 918 | | 1,500 | Below RSL |
| Beryllium | 1.7 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 85.7 | | 12,000 | Below RSL |
| Cobalt | 27.9 | 420 | 2.3 | |
| Copper | 201 | | 310 | Below RSL |
| Cyanide | 0.27 | | 2.1 | Below RSL |
| Iron | 66,900 | | 5,500 | |
| Lead | 55.6 | | 40 | |
| Manganese | 7,880 | | 180 | |
| Mercury | 0.082 | | 2.3 | Below RSL |
| Nickel | 76.6 | 15,000 | 150 | Below RSL |
| Selenium | 3.8 | | 39 | Below RSL |
| Sulfate | 5.7 | | | |
| Thallium | 6.1 | | 0.078 | |
| Vanadium | 131 | | 39 | |
| Zinc | 157 | | 2,300 | Below RSL |
| 80J | | | | |
| Aluminum | 14,300 | | 7,700 | |
| Antimony | 3.1 | | 3.1 | |
| Arsenic | 52.8 | 0.67 | 3.4 | |
| Barium | 269 | | 1,500 | Below RSL |
| Beryllium | 1 | 1,600 | 16 | Below RSL |
| Cadmium | 2.8 | 2,100 | 7 | Below RSL |
| Chromium | 33.5 | | 12,000 | Below RSL |
| Cobalt | 21.4 | 420 | 2.3 | |
| Copper | 301 | | 310 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 42,400 | | 5,500 | |
| Lead | 306 | | 40 | |
| Manganese | 1,640 | | 180 | |
| Mercury | 0.21 | | 2.3 | Below RSL |
| Nickel | 38.8 | 15,000 | 150 | Below RSL |
| Silver | 4.8 | | 39 | Below RSL |
| Vanadium | 73.7 | | 39 | |
| Zinc | 432 | | 2,300 | Below RSL |
| 007A | | | | |
| Aluminum | 21,900 | | 7,700 | |
| Arsenic | 48.3 | 0.67 | 3.4 | |
| Barium | 110 | | 1,500 | Below RSL |
| Beryllium | 0.69 | 1,600 | 16 | Below RSL |
| Cadmium | 0.51 | 2,100 | 7 | Below RSL |
| Chromium | 27.6 | | 12,000 | Below RSL |
| Cobalt | 13 | 420 | 2.3 | |
| Copper | 63.3 | | 310 | Below RSL |
| Iron | 35,700 | | 5,500 | |
| Lead | 73.6 | | 40 | |
| Manganese | 758 | | 180 | |
| Nickel | 20 | 15,000 | 150 | Below RSL |
| Selenium | 0.81 | | 39 | Below RSL |
| Vanadium | 55.2 | | 39 | |
| Zinc | 288 | | 2,300 | Below RSL |
| 007B | | | | |
| Aluminum | 25,700 | | 7,700 | |
| Arsenic | 352 | 0.67 | 3.4 | |
| Barium | 277 | | 1,500 | Below RSL |
| Chromium | 36.5 | | 12,000 | Below RSL |
| Cobalt | 14.9 | 420 | 2.3 | |
| Copper | 89.4 | | 310 | Below RSL |
| Iron | 69,100 | | 5,500 | |
| Lead | 1,170 | | 40 | |
| Manganese | 735 | | 180 | |
| Mercury | 0.26 | | 2.3 | Below RSL |
| Nickel | 26.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.76 | | 39 | Below RSL |
| Vanadium | 58.6 | | 39 | |
| Zinc | 618 | | 2,300 | Below RSL |
| 007C | | | | |
| Aluminum | 16,600 | | 7,700 | |
| Arsenic | 76.1 | 0.67 | 3.4 | |
| Barium | 125 | | 1,500 | Below RSL |
| Beryllium | 0.48 | 1,600 | 16 | Below RSL |
| Cadmium | 0.87 | 2,100 | 7 | Below RSL |
| Chromium | 31.3 | | 12,000 | Below RSL |
| Cobalt | 15.6 | 420 | 2.3 | |
| Copper | 51.7 | | 310 | Below RSL |
| Iron | 40,500 | | 5,500 | |
| Lead | 88.5 | | 40 | |
| Manganese | 808 | | 180 | |
| Nickel | 23.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.82 | | 39 | Below RSL |
| Vanadium | 78.7 | | 39 | |
| Zinc | 328 | | 2,300 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|-----------|-----------------------|----------------------|-------------------|-----------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| O07D | | | | |
| Aluminum | 17,400 | | 7,700 | |
| Arsenic | 40.4 | 0.67 | 3.4 | |
| Barium | 123 | | 1,500 | Below RSL |
| Beryllium | 0.51 | 1,600 | 16 | Below RSL |
| Cadmium | 0.55 | 2,100 | 7 | Below RSL |
| Chromium | 28.2 | | 12,000 | Below RSL |
| Cobalt | 14.1 | 420 | 2.3 | |
| Copper | 42.3 | | 310 | Below RSL |
| Iron | 40,900 | | 5,500 | |
| Lead | 36.7 | | 40 | Below RSL |
| Manganese | 751 | | 180 | |
| Nickel | 15.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.98 | | 39 | Below RSL |
| Silver | 0.16 | | 39 | Below RSL |
| Vanadium | 86.1 | | 39 | |
| Zinc | 216 | | 2,300 | Below RSL |
| O08 | | | | |
| Arsenic | 240 | 0.67 | 3.4 | |
| Lead | 280 | | 40 | |
| O09 | | | | |
| Aluminum | 14,300 | | 7,700 | |
| Arsenic | 75 | 0.67 | 3.4 | |
| Barium | 100 | | 1,500 | Below RSL |
| Chromium | 19.9 | | 12,000 | Below RSL |
| Cobalt | 9.9 | 420 | 2.3 | |
| Copper | 32.4 | | 310 | Below RSL |
| Iron | 34,300 | | 5,500 | |
| Lead | 74.5 | | 40 | |
| Manganese | 950 | | 180 | |
| Mercury | 0.17 | | 2.3 | Below RSL |
| Nickel | 12.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.69 | | 39 | Below RSL |
| Vanadium | 56.6 | | 39 | |
| Zinc | 260 | | 2,300 | Below RSL |
| O10 | | | | |
| Aluminum | 15,500 | | 7,700 | |
| Arsenic | 63.9 | 0.67 | 3.4 | |
| Barium | 82.7 | | 1,500 | Below RSL |
| Beryllium | 0.44 | 1,600 | 16 | Below RSL |
| Cadmium | 0.49 | 2,100 | 7 | Below RSL |
| Chromium | 20.7 | | 12,000 | Below RSL |
| Cobalt | 9.7 | 420 | 2.3 | |
| Copper | 44.5 | | 310 | Below RSL |
| Iron | 38,800 | | 5,500 | |
| Lead | 227 | | 40 | |
| Manganese | 777 | | 180 | |
| Mercury | 0.14 | | 2.3 | Below RSL |
| Nickel | 13.3 | 15,000 | 150 | Below RSL |
| Vanadium | 65.3 | | 39 | |
| Zinc | 324 | | 2,300 | Below RSL |
| O11 | | | | |
| Aluminum | 22,500 | | 7,700 | |
| Arsenic | 86 | 0.67 | 3.4 | |
| Barium | 69.7 | | 1,500 | Below RSL |
| Beryllium | 0.34 | 1,600 | 16 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cadmium | 0.29 | 2,100 | 7 | Below RSL |
| Chromium | 104 | | 12,000 | Below RSL |
| Cobalt | 36.2 | 420 | 2.3 | |
| Copper | 122 | | 310 | Below RSL |
| Iron | 45,500 | | 5,500 | |
| Lead | 1,300 | | 40 | |
| Manganese | 1,030 | | 180 | |
| Nickel | 70 | 15,000 | 150 | Below RSL |
| Selenium | 0.58 | | 39 | Below RSL |
| Vanadium | 77.2 | | 39 | |
| Zinc | 161 | | 2,300 | Below RSL |
| O12 | | | | |
| Aluminum | 12,300 | | 7,700 | |
| Arsenic | 71.7 | 0.67 | 3.4 | |
| Barium | 102 | | 1,500 | Below RSL |
| Beryllium | 0.48 | 1,600 | 16 | Below RSL |
| Cadmium | 0.1 | 2,100 | 7 | Below RSL |
| Chromium | 37.3 | | 12,000 | Below RSL |
| Cobalt | 8.2 | 420 | 2.3 | |
| Copper | 17 | | 310 | Below RSL |
| Iron | 48,600 | | 5,500 | |
| Lead | 370 | | 40 | |
| Manganese | 910 | | 180 | |
| Nickel | 25 | 15,000 | 150 | Below RSL |
| Vanadium | 38.2 | | 39 | Below RSL |
| Zinc | 531 | | 2,300 | Below RSL |
| O13 | | | | |
| Arsenic | 48 | 0.67 | 3.4 | |
| Lead | 120 | | 40 | |
| O14 | | | | |
| Arsenic | 53 | 0.67 | 3.4 | |
| Lead | 110 | | 40 | |
| O15 | | | | |
| Arsenic | 76 | 0.67 | 3.4 | |
| Lead | 230 | | 40 | |
| O16 | | | | |
| Aluminum | 7,550 | | 7,700 | Below RSL |
| Arsenic | 79 | 0.67 | 3.4 | |
| Barium | 93.3 | | 1,500 | Below RSL |
| Beryllium | 0.31 | 1,600 | 16 | Below RSL |
| Cadmium | 1.6 | 2,100 | 7 | Below RSL |
| Chromium | 14.9 | | 12,000 | Below RSL |
| Cobalt | 11.5 | 420 | 2.3 | |
| Copper | 57.3 | | 310 | Below RSL |
| Iron | 28,400 | | 5,500 | |
| Lead | 882 | | 40 | |
| Manganese | 490 | | 180 | |
| Nickel | 12.5 | 15,000 | 150 | Below RSL |
| Selenium | 3.4 | | 39 | Below RSL |
| Silver | 2.8 | | 39 | Below RSL |
| Vanadium | 38.2 | | 39 | Below RSL |
| Zinc | 400 | | 2,300 | Below RSL |
| O17 | | | | |
| Aluminum | 9,670 | | 7,700 | |
| Arsenic | 294 | 0.67 | 3.4 | |
| Barium | 119 | | 1,500 | Below RSL |

TABLE K2-1

Risk-Based Screening Summary Table - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-----------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Cadmium | 2.1 | 2,100 | 7 | Below RSL |
| Chromium | 15.7 | | 12,000 | Below RSL |
| Cobalt | 10.7 | 420 | 2.3 | |
| Copper | 55.1 | | 310 | Below RSL |
| Cyanide | 0.18 | | 2.1 | Below RSL |
| Iron | 21,900 | | 5,500 | |
| Lead | 407 | | 40 | |
| Manganese | 631 | | 180 | |
| Mercury | 0.43 | | 2.3 | Below RSL |
| Nickel | 14.6 | 15,000 | 150 | Below RSL |
| Selenium | 0.43 | | 39 | Below RSL |
| Silver | 0.65 | | 39 | Below RSL |
| Vanadium | 33.6 | | 39 | Below RSL |
| Zinc | 531 | | 2,300 | Below RSL |

Notes:

HI - Hazard Index

mg/kg - milligram per kilogram

RSL - Regional Screening Levels (January 2015)

TR - Target Risk

TABLE K2-2

Risk-Based Screening Summary Table - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|----------------|-----------------------|----------------------|-------------------|-----------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Parcel Group A | | | | |
| Aluminum | 25,200 | | 7,700 | |
| Antimony | 2.1 | | 3.1 | Below RSL |
| Arsenic | 96 | 0.67 | 3.4 | |
| Barium | 117 | | 1,500 | Below RSL |
| Beryllium | 0.64 | 1,600 | 16 | Below RSL |
| Cadmium | 1.3 | 2,100 | 7 | Below RSL |
| Chromium | 21.7 | | 12,000 | Below RSL |
| Cobalt | 15.2 | 420 | 2.3 | |
| Copper | 88.9 | | 310 | Below RSL |
| Iron | 44,900 | | 5,500 | |
| Lead | 81 | | 40 | |
| Manganese | 1,050 | | 180 | |
| Mercury | 0.097 | | 2.3 | Below RSL |
| Nickel | 15.4 | 15,000 | 150 | Below RSL |
| Selenium | 4.7 | | 39 | Below RSL |
| Silver | 3.5 | | 39 | Below RSL |
| Vanadium | 85.5 | | 39 | |
| Zinc | 272 | | 2,300 | Below RSL |
| Parcel Group B | | | | |
| Aluminum | 17,100 | | 7,700 | |
| Arsenic | 61.7 | 0.67 | 3.4 | |
| Barium | 120 | | 1,500 | Below RSL |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Cadmium | 0.14 | 2,100 | 7 | Below RSL |
| Chromium | 19 | | 12,000 | Below RSL |
| Cobalt | 14.1 | 420 | 2.3 | |
| Copper | 31.7 | | 310 | Below RSL |
| Iron | 42,700 | | 5,500 | |
| Lead | 63.7 | | 40 | |
| Manganese | 906 | | 180 | |
| Nickel | 16.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.56 | | 39 | Below RSL |
| Vanadium | 54.3 | | 39 | |
| Zinc | 179 | | 2,300 | Below RSL |
| Parcel Group C | | | | |
| Aluminum | 22,100 | | 7,700 | |
| Antimony | 1.6 | | 3.1 | Below RSL |
| Arsenic | 72.8 | 0.67 | 3.4 | |
| Barium | 132 | | 1,500 | Below RSL |
| Beryllium | 0.67 | 1,600 | 16 | Below RSL |
| Cadmium | 2 | 2,100 | 7 | Below RSL |
| Chromium | 21.4 | | 12,000 | Below RSL |
| Cobalt | 13.7 | 420 | 2.3 | |
| Copper | 117 | | 310 | Below RSL |
| Iron | 66,600 | | 5,500 | |
| Lead | 89.5 | | 40 | |
| Manganese | 1,240 | | 180 | |
| Mercury | 0.18 | | 2.3 | Below RSL |
| Nickel | 18.3 | 15,000 | 150 | Below RSL |
| Selenium | 2.9 | | 39 | Below RSL |
| Silver | 2.6 | | 39 | Below RSL |
| Vanadium | 53.3 | | 39 | |
| Zinc | 227 | | 2,300 | Below RSL |

TABLE K2-2

Risk-Based Screening Summary Table - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|-------------------------------------|-----------------------|----------------------|-------------------|-----------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Parcel Group D Hotspot ^a | | | | |
| Aluminum | 29,000 | | 7,700 | |
| Antimony | 7.1 | | 3.1 | |
| Arsenic | 702 | 0.67 | 3.4 | |
| Barium | 43.9 | | 1,500 | Below RSL |
| Beryllium | 0.33 | 1,600 | 16 | Below RSL |
| Cadmium | 16.9 | 2,100 | 7 | |
| Chromium | 42.6 | | 12,000 | Below RSL |
| Cobalt | 30.6 | 420 | 2.3 | |
| Copper | 248 | | 310 | Below RSL |
| Iron | 97,600 | | 5,500 | |
| Lead | 5,300 | | 40 | |
| Manganese | 1,300 | | 180 | |
| Mercury | 5.2 | | 2.3 | |
| Nickel | 20.6 | 15,000 | 150 | Below RSL |
| Selenium | 37.9 | | 39 | Below RSL |
| Silver | 7.6 | | 39 | Below RSL |
| Thallium | 0.32 | | 0.078 | |
| Vanadium | 116 | | 39 | |
| Zinc | 6,270 | | 2,300 | |
| Parcel Group D (Hotspot Excluded) | | | | |
| Aluminum | 13,700 | | 7,700 | |
| Arsenic | 58.3 | 0.67 | 3.4 | |
| Barium | 142 | | 1,500 | Below RSL |
| Beryllium | 0.41 | 1,600 | 16 | Below RSL |
| Cadmium | 1.9 | 2,100 | 7 | Below RSL |
| Chromium | 16.3 | | 12,000 | Below RSL |
| Cobalt | 13.2 | 420 | 2.3 | |
| Copper | 167 | | 310 | Below RSL |
| Cyanide | 0.39 | | 2.1 | Below RSL |
| Iron | 47,600 | | 5,500 | |
| Lead | 216 | | 40 | |
| Manganese | 1,140 | | 180 | |
| Mercury | 0.46 | | 2.3 | Below RSL |
| Nickel | 15.7 | 15,000 | 150 | Below RSL |
| Selenium | 0.45 | | 39 | Below RSL |
| Vanadium | 42.6 | | 39 | |
| Zinc | 438 | | 2,300 | Below RSL |
| Parcel Group E | | | | |
| Aluminum | 19,800 | | 7,700 | |
| Arsenic | 65 | 0.67 | 3.4 | |
| Barium | 152 | | 1,500 | Below RSL |
| Beryllium | 0.77 | 1,600 | 16 | Below RSL |
| Cadmium | 0.37 | 2,100 | 7 | Below RSL |
| Chromium | 24.5 | | 12,000 | Below RSL |
| Cobalt | 13.6 | 420 | 2.3 | |
| Copper | 44.1 | | 310 | Below RSL |
| Iron | 38,000 | | 5,500 | |
| Lead | 52.4 | | 40 | |
| Manganese | 918 | | 180 | |
| Mercury | 0.02 | | 2.3 | Below RSL |
| Nickel | 20 | 15,000 | 150 | Below RSL |

TABLE K2-2

Risk-Based Screening Summary Table - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-----------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Selenium | 0.88 | | 39 | Below RSL |
| Vanadium | 52.1 | | 39 | |
| Zinc | 159 | | 2,300 | Below RSL |
| Parcel Group F | | | | |
| Aluminum | 28,300 | | 7,700 | |
| Arsenic | 43.8 | 0.67 | 3.4 | |
| Barium | 184 | | 1,500 | Below RSL |
| Beryllium | 0.92 | 1,600 | 16 | Below RSL |
| Cadmium | 0.91 | 2,100 | 7 | Below RSL |
| Chromium | 27.3 | | 12,000 | Below RSL |
| Cobalt | 17 | 420 | 2.3 | |
| Copper | 120 | | 310 | Below RSL |
| Iron | 40,800 | | 5,500 | |
| Lead | 67.3 | | 40 | |
| Manganese | 27,700 | | 180 | |
| Mercury | 0.076 | | 2.3 | Below RSL |
| Nickel | 27.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.7 | | 39 | Below RSL |
| Vanadium | 53.3 | | 39 | |
| Zinc | 221 | | 2,300 | Below RSL |
| Parcel Group G | | | | |
| Aluminum | 23,000 | | 7,700 | |
| Arsenic | 30.3 | 0.67 | 3.4 | |
| Barium | 109 | | 1,500 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |
| Cadmium | 0.67 | 2,100 | 7 | Below RSL |
| Chromium | 17.7 | | 12,000 | Below RSL |
| Cobalt | 10.7 | 420 | 2.3 | |
| Copper | 92.3 | | 310 | Below RSL |
| Iron | 35,400 | | 5,500 | |
| Lead | 34.3 | | 40 | Below RSL |
| Manganese | 910 | | 180 | |
| Nickel | 14.9 | 15,000 | 150 | Below RSL |
| Selenium | 0.76 | | 39 | Below RSL |
| Vanadium | 40.8 | | 39 | |
| Zinc | 124 | | 2,300 | Below RSL |
| Parcel Group H | | | | |
| Aluminum | 28,200 | | 7,700 | |
| Arsenic | 227 | 0.67 | 3.4 | |
| Barium | 159 | | 1,500 | Below RSL |
| Beryllium | 0.51 | 1,600 | 16 | Below RSL |
| Cadmium | 0.64 | 2,100 | 7 | Below RSL |
| Chromium | 67.5 | | 12,000 | Below RSL |
| Cobalt | 32 | 420 | 2.3 | |
| Copper | 110 | | 310 | Below RSL |
| Iron | 59,700 | | 5,500 | |
| Lead | 38.3 | | 40 | Below RSL |
| Manganese | 1,320 | | 180 | |
| Mercury | 0.045 | | 2.3 | Below RSL |
| Nickel | 48.2 | 15,000 | 150 | Below RSL |
| Selenium | 0.74 | | 39 | Below RSL |
| Vanadium | 167 | | 39 | |
| Zinc | 147 | | 2,300 | Below RSL |

TABLE K2-2

Risk-Based Screening Summary Table - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|----------------|-------------------------------|------------------------------|---------------------------|------------------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |

Notes:

^a Hotspot includes the following samples: 1426B-01, 1426B-C1, 1426B-C2, 1426B-T1, 1426B-T2, 1426B-T3, 1426B-T4.

HI - Hazard Index

mg/kg - milligram per kilogram

RSL - Regional Screening Levels (January 2015)

TR - Target Risk

TABLE K2-3

Risk-Based Screening Summary Table - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|---|-----------------------|------------------------------------|------------------------------------|-----------|
| NR13 Smelter East of River | | | | |
| Aluminum | 15,200 | | 7,700 | |
| Antimony | 4.8 | | 3.1 | |
| Arsenic | 164 | 0.67 | 3.4 | |
| Barium | 497 | | 1,500 | Below RSL |
| Beryllium | 0.86 | 1,600 | 16 | Below RSL |
| Cadmium | 8.3 | 2,100 | 7 | |
| Chromium | 58.9 | | 12,000 | Below RSL |
| Cobalt | 34.7 | 420 | 2.3 | |
| Copper | 950 | | 310 | |
| Iron | 29,000 | | 5,500 | |
| Lead | 424 | | 40 | |
| Manganese | 1,090 | | 180 | |
| Nickel | 116 | 15,000 | 150 | Below RSL |
| Selenium | 4.9 | | 39 | Below RSL |
| Silver | 4.9 | | 39 | Below RSL |
| Vanadium | 52.8 | | 39 | |
| Zinc | 568 | | 2,300 | Below RSL |
| NR19 North of Main Tailings Pile | | | | |
| 4,4'-DDD | 0.014 | 2.2 | | Below RSL |
| 4,4'-DDE | 0.0024 | 1.6 | | Below RSL |
| 4,4'-DDT | 0.0025 | 1.9 | 3.6 | Below RSL |
| Acetone | 0.033 | | 6,100 | Below RSL |
| Acetophenone | 0.06 | | 780 | Below RSL |
| Alpha-Chlordane | 0.001 | 1.8 | 3.5 | Below RSL |
| Aluminum | 37,600 | | 7,700 | |
| Antimony | 11 | | 3.1 | |
| Aroclor-1260 | 0.035 | 0.24 | | Below RSL |
| Arsenic | 1,730 | 0.67 | 3.4 | |
| Barium | 292 | | 1,500 | Below RSL |
| Benzyl butyl phthalate | 0.25 | 280 | 1,200 | Below RSL |
| Beryllium | 1.1 | 1,600 | 16 | Below RSL |
| bis(2-Ethylhexyl)phthalate | 0.28 | 38 | 120 | Below RSL |
| Cadmium | 12 | 2,100 | 7 | |
| Caprolactam | 0.072 | | 3,100 | Below RSL |
| Carbon disulfide | 0.002 | | 77 | Below RSL |
| Chromium | 88.6 | | 12,000 | Below RSL |
| Cobalt | 28 | 420 | 2.3 | |
| Copper | 308 | | 310 | Below RSL |
| Cyanide | 0.46 | | 2.1 | Below RSL |
| Dieldrin | 0.0036 | 0.033 | 0.31 | Below RSL |
| Ethylbenzene | 0.0043 | 5.8 | 340 | Below RSL |
| Gamma-Chlordane | 0.0014 | 1.8 | 3.5 | Below RSL |
| Iron | 93,600 | | 5,500 | |
| Lead | 4,270 | | 40 | |
| Manganese | 2,100 | | | |
| Mercury | 15.5 | | 2.3 | |
| Methyl ethyl ketone | 0.01 | | 2,700 | Below RSL |
| Nickel | 27.8 | 15,000 | 150 | Below RSL |
| Nitrate as N | 59 | | 13,000 | Below RSL |
| p- & m-Xylenes | 0.0017 | | 55 | Below RSL |
| Selenium | 90.1 | | 39 | |
| Silver | 11.3 | | 39 | Below RSL |
| Styrene | 0.0038 | | 600 | Below RSL |
| Sulfate | 64,000 | | | |
| Thallium | 3.1 | | 0.078 | |

TABLE K2-3

Risk-Based Screening Summary Table - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--------------------------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Vanadium | 137 | | 39 | |
| Zinc | 6,620 | | 2,300 | |
| NR20 North of Chaparral Gulch | | | | |
| Aluminum | 34,200 | | 7,700 | |
| Antimony | 3.3 | | 3.1 | |
| Arsenic | 609 | 0.67 | 3.4 | |
| Barium | 248 | | 1,500 | Below RSL |
| Beryllium | 2.7 | 1,600 | 16 | Below RSL |
| Cadmium | 2.6 | 2,100 | 7 | Below RSL |
| Chromium | 35.5 | | 12,000 | Below RSL |
| Cobalt | 16.2 | 420 | 2.3 | |
| Copper | 86.5 | | 310 | Below RSL |
| Iron | 60,600 | | 5,500 | |
| Lead | 318 | | 40 | |
| Manganese | 2,030 | | 180 | |
| Mercury | 2.5 | | 2.3 | |
| Nickel | 16.7 | 15,000 | 150 | Below RSL |
| Selenium | 5.2 | | 39 | Below RSL |
| Silver | 3.9 | | 39 | Below RSL |
| Thallium | 1.6 | | 0.078 | |
| Vanadium | 98.3 | | 39 | |
| Zinc | 821 | | 2,300 | Below RSL |
| NR3 Upper Chaparral Gulch | | | | |
| Aluminum | 17,500 | | 7,700 | |
| Antimony | 13.4 | | 3.1 | |
| Arsenic | 991 | 0.67 | 3.4 | |
| Barium | 233 | | 1,500 | Below RSL |
| Beryllium | 0.79 | 1,600 | 16 | Below RSL |
| Cadmium | 4.8 | 2,100 | 7 | Below RSL |
| Chromium | 38.8 | | 12,000 | Below RSL |
| Cobalt | 16.9 | 420 | 2.3 | |
| Copper | 496 | | 310 | |
| Cyanide | 0.49 | | 2.1 | Below RSL |
| Iron | 61,800 | | 5,500 | |
| Lead | 3,080 | | 40 | |
| Manganese | 910 | | 180 | |
| Mercury | 4.1 | | 2.3 | |
| Nickel | 39.3 | 15,000 | 150 | Below RSL |
| Nitrate as N | 1 | | 13,000 | Below RSL |
| Selenium | 12.3 | | 39 | Below RSL |
| Silver | 8 | | 39 | Below RSL |
| Sulfate | 4,200 | | | |
| Thallium | 1.5 | | 0.078 | |
| Vanadium | 97.2 | | 39 | |
| Zinc | 1,250 | | 2,300 | Below RSL |

Notes:

HI - Hazard Index

mg/kg - milligram per kilogram

RSL - Regional Screening Levels (January 2015)

TR - Target Risk

TABLE K2-4

Risk-Based Screening Summary Table - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|---|-----------------------|----------------------|-------------------|-----------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| NR10 Agua Fria Tailings Pile | | | | |
| Aluminum | 23,900 | | 7,700 | |
| Arsenic | 4,640 | 0.67 | 3.4 | |
| Barium | 261 | | 1,500 | Below RSL |
| Cadmium | 0.85 | 2,100 | 7 | Below RSL |
| Chromium | 112 | | 12,000 | Below RSL |
| Cobalt | 40.7 | 420 | 2.3 | |
| Copper | 127 | | 310 | Below RSL |
| Iron | 42,100 | | 5,500 | |
| Lead | 11,500 | | 40 | |
| Manganese | 1,410 | | 180 | |
| Mercury | 0.084 | | 2.3 | Below RSL |
| Nickel | 85.2 | 15,000 | 150 | Below RSL |
| Selenium | 1 | | 39 | Below RSL |
| Silver | 1.9 | | 39 | Below RSL |
| Thallium | 2.8 | | 0.078 | |
| Vanadium | 108 | | 39 | |
| Zinc | 7,550 | | 2,300 | |
| NR11 Former Pyrometallurgical Operations Area | | | | |
| 4,4'-DDE | 0.0097 | 1.6 | | Below RSL |
| 4,4'-DDT | 0.0024 | 1.9 | 3.6 | Below RSL |
| Acenaphthene | 0.08 | | 350 | Below RSL |
| Acetophenone | 0.14 | | 780 | Below RSL |
| Aluminum | 254,000 | | 7,700 | |
| Anthracene | 0.18 | | 1,700 | Below RSL |
| Antimony | 118 | | 3.1 | |
| Aroclor-1248 | 0.97 | 0.24 | | |
| Aroclor-1254 | 0.076 | 0.24 | 0.11 | Below RSL |
| Aroclor-1260 | 0.03 | 0.24 | | Below RSL |
| Arsenic | 15,100 | 0.67 | 3.4 | |
| Barium | 652 | | 1,500 | Below RSL |
| Benzo[a]anthracene | 0.71 | 0.15 | | |
| Benzo[a]pyrene | 0.54 | 0.015 | | |
| Benzo[b]fluoranthene | 0.72 | 0.15 | | |
| Benzo[g,h,i]perylene | 0.16 | | 170 | Below RSL |
| Benzo[k]fluoranthene | 0.45 | 1.5 | | Below RSL |
| Beryllium | 60.3 | 1,600 | 16 | |
| bis(2-Ethylhexyl)phthalate | 0.083 | 38 | 120 | Below RSL |
| Cadmium | 85.7 | 2,100 | 7 | |
| Carbazole | 0.1 | | 150 | Below RSL |
| Chloride | 130 | | | |
| Chromium | 1,790 | | 12,000 | Below RSL |
| Chromium, Hexavalent | 1.7 | 0.3 | 23 | |
| Chrysene | 0.72 | 15 | | Below RSL |
| Cobalt | 46 | 420 | 2.3 | |
| Copper | 28,100 | | 310 | |
| Cyanide | 1.5 | | 2.1 | Below RSL |
| Delta-BHC | 0.017 | 0.3 | | Below RSL |
| Dibenzo[a,h]anthracene | 0.11 | 0.015 | | |
| Dieldrin | 0.0023 | 0.033 | 0.31 | Below RSL |
| Di-n-butyl phthalate | 0.065 | | 620 | Below RSL |
| Endosulfan I | 0.002 | | 37 | Below RSL |
| Fluoranthene | 1.3 | | 230 | Below RSL |
| Heptachlor | 0.0073 | 0.12 | 3.1 | Below RSL |
| Heptachlor Epoxide | 0.025 | 0.059 | 0.08 | Below RSL |
| Indeno[1,2,3-cd]pyrene | 0.5 | 0.15 | | |

TABLE K2-4

Risk-Based Screening Summary Table - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|---|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 251,000 | | 5,500 | |
| Lead | 56,600 | | 40 | |
| Manganese | 2,110 | | 180 | |
| Mercury | 8.1 | | 2.3 | |
| Nickel | 1,240 | 15,000 | 150 | |
| Nitrate as N | 81 | | 13,000 | Below RSL |
| Phenanthrene | 0.7 | | 1,700 | Below RSL |
| Pyrene | 1.1 | | 170 | Below RSL |
| Selenium | 22.4 | | 39 | Below RSL |
| Silver | 397 | | 39 | |
| Sulfate | 580 | | | |
| TEQBird | 0.00206 | | | |
| TEQFish | 0.0013 | | | |
| TEQMammal | 0.00116 | 0.0000049 | 0.0000051 | |
| Thallium | 3.8 | | 0.078 | |
| Vanadium | 89.9 | | 39 | |
| Zinc | 17,600 | | 2,300 | |
| NR12 Smelter Plateau | | | | |
| Aluminum | 181,000 | | 7,700 | |
| Antimony | 125 | | 3.1 | |
| Arsenic | 20,200 | 0.67 | 3.4 | |
| Barium | 1,540 | | 1,500 | |
| Beryllium | 7.8 | 1,600 | 16 | Below RSL |
| Cadmium | 41.4 | 2,100 | 7 | |
| Chromium | 807 | | 12,000 | Below RSL |
| Chromium, Hexavalent | 18 | 0.3 | 23 | |
| Cobalt | 59.2 | 420 | 2.3 | |
| Copper | 14,200 | | 310 | |
| Cyanide | 0.85 | | 2.1 | Below RSL |
| Iron | 238,000 | | 5,500 | |
| Lead | 13,100 | | 40 | |
| Manganese | 46,000 | | 180 | |
| Mercury | 7 | | 2.3 | |
| Nickel | 803 | 15,000 | 150 | |
| Nitrate as N | 28 | | 13,000 | Below RSL |
| Selenium | 35.7 | | 39 | Below RSL |
| Silver | 41 | | 39 | |
| Sulfate | 300 | | | |
| TEQBird | 0.000469 | | | |
| TEQFish | 0.000249 | | | |
| TEQMammal | 0.000224 | 0.0000049 | 0.0000051 | |
| Thallium | 9.2 | | 0.078 | |
| Vanadium | 108 | | 39 | |
| Zinc | 58,900 | | 2,300 | |
| NR14 South of Former Iron King Mine Property | | | | |
| Aluminum | 36,000 | | 7,700 | |
| Antimony | 43.9 | | 3.1 | |
| Arsenic | 3,810 | 0.67 | 3.4 | |
| Barium | 122 | | 1,500 | Below RSL |
| Beryllium | 0.39 | 1,600 | 16 | Below RSL |
| Cadmium | 6.7 | 2,100 | 7 | Below RSL |
| Chromium | 97.7 | | 12,000 | Below RSL |
| Cobalt | 27.2 | 420 | 2.3 | |
| Copper | 147 | | 310 | Below RSL |
| Cyanide | 0.09 | | 2.1 | Below RSL |
| Iron | 103,000 | | 5,500 | |

TABLE K2-4

Risk-Based Screening Summary Table - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|-----------------------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Lead | 13,400 | | 40 | |
| Manganese | 1,800 | | 180 | |
| Mercury | 0.85 | | 2.3 | Below RSL |
| Nickel | 35.9 | 15,000 | 150 | Below RSL |
| Nitrate as N | 4 | | 13,000 | Below RSL |
| Selenium | 17.6 | | 39 | Below RSL |
| Silver | 4.9 | | 39 | Below RSL |
| Sulfate | 2,700 | | | |
| Thallium | 9.5 | | 0.078 | |
| Vanadium | 171 | | 39 | |
| Zinc | 2,370 | | 2,300 | |
| NR15 Auto Yard | | | | |
| Aluminum | 21,300 | | 7,700 | |
| Antimony | 1.6 | | 3.1 | Below RSL |
| Arsenic | 110 | 0.67 | 3.4 | |
| Barium | 226 | | 1,500 | Below RSL |
| Beryllium | 0.62 | 1,600 | 16 | Below RSL |
| Cadmium | 2.7 | 2,100 | 7 | Below RSL |
| Chromium | 19.2 | | 12,000 | Below RSL |
| Cobalt | 24.3 | 420 | 2.3 | |
| Copper | 68.4 | | 310 | Below RSL |
| Cyanide | 0.06 | | 2.1 | Below RSL |
| Iron | 36,600 | | 5,500 | |
| Lead | 86.6 | | 40 | |
| Manganese | 1,170 | | 180 | |
| Mercury | 0.17 | | 2.3 | Below RSL |
| Nickel | 21.3 | 15,000 | 150 | Below RSL |
| Nitrate as N | 2 | | 13,000 | Below RSL |
| Selenium | 1.1 | | 39 | Below RSL |
| Silver | 1.4 | | 39 | Below RSL |
| Sulfate | 100 | | | |
| Thallium | 2.9 | | 0.078 | |
| Vanadium | 68.5 | | 39 | |
| Zinc | 321 | | 2,300 | Below RSL |
| NR16 Former Mineworks Area | | | | |
| 4,4'-DDD | 0.0049 | 2.2 | | Below RSL |
| 4,4'-DDE | 0.0049 | 1.6 | | Below RSL |
| 4,4'-DDT | 0.0034 | 1.9 | 3.6 | Below RSL |
| 4-Chloroaniline | 0.043 | 2.7 | 25 | Below RSL |
| Acetophenone | 0.04 | | 780 | Below RSL |
| Alpha-Chlordane | 0.0044 | 1.8 | 3.5 | Below RSL |
| Aluminum | 45,300 | | 7,700 | |
| Antimony | 125 | | 3.1 | |
| Aroclor-1242 | 0.17 | 0.24 | | Below RSL |
| Aroclor-1254 | 0.067 | 0.24 | 0.11 | Below RSL |
| Aroclor-1260 | 0.22 | 0.24 | | Below RSL |
| Arsenic | 4,730 | 0.67 | 3.4 | |
| Barium | 342 | | 1,500 | Below RSL |
| Benzaldehyde | 0.09 | | 780 | Below RSL |
| Benzo[a]anthracene | 0.076 | 0.15 | | Below RSL |
| Benzo[a]pyrene | 0.07 | 0.015 | | |
| Benzo[b]fluoranthene | 0.055 | 0.15 | | Below RSL |
| Benzo[g,h,i]perylene | 0.022 | | 170 | Below RSL |
| Benzo[k]fluoranthene | 0.056 | 1.5 | | Below RSL |
| Benzyl butyl phthalate | 0.028 | 280 | 1,200 | Below RSL |
| Beryllium | 0.55 | 1,600 | 16 | Below RSL |

TABLE K2-4

Risk-Based Screening Summary Table - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|----------------------------|-----------------------|----------------------|-------------------|-----------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Beta-BHC | 0.0017 | 0.3 | | Below RSL |
| bis(2-Ethylhexyl)phthalate | 0.09 | 38 | 120 | Below RSL |
| Cadmium | 37.3 | 2,100 | 7 | |
| Caprolactam | 0.08 | | 3,100 | Below RSL |
| Chloroform | 0.0088 | 0.32 | 20 | Below RSL |
| Chromium | 99.9 | | 12,000 | Below RSL |
| Chrysene | 0.11 | 15 | | Below RSL |
| Cobalt | 35.1 | 420 | 2.3 | |
| Copper | 660 | | 310 | |
| Cyanide | 7.4 | | 2.1 | |
| Dieldrin | 0.0026 | 0.033 | 0.31 | Below RSL |
| Dimethyl phthalate | 0.072 | | 4,900 | Below RSL |
| Endrin Ketone | 0.0032 | | 1.8 | Below RSL |
| Fluoranthene | 0.099 | | 230 | Below RSL |
| Gamma-Chlordane | 0.0039 | 1.8 | 3.5 | Below RSL |
| Indeno[1,2,3-cd]pyrene | 0.025 | 0.15 | | Below RSL |
| Iron | 121,000 | | 5,500 | |
| Lead | 65,700 | | 40 | |
| Manganese | 7,880 | | 180 | |
| Mercury | 63.9 | | 2.3 | |
| Nickel | 32.7 | 15,000 | 150 | Below RSL |
| Nitrate as N | 12 | | 13,000 | Below RSL |
| Phenanthrene | 0.023 | | 1,700 | Below RSL |
| Phenol | 0.027 | | 1,800 | Below RSL |
| Pyrene | 0.1 | | 170 | Below RSL |
| Selenium | 61.8 | | 39 | |
| Silver | 102 | | 39 | |
| Sulfate | 42,000 | | | |
| Thallium | 4.4 | | 0.078 | |
| Vanadium | 125 | | 39 | |
| Zinc | 10,400 | | 2,300 | |
| NR17 Main Tailings Pile | | | | |
| Aluminum | 26,600 | | 7,700 | |
| Antimony | 143 | | 3.1 | |
| Arsenic | 12,000 | 0.67 | 3.4 | |
| Barium | 175 | | 1,500 | Below RSL |
| Beryllium | 0.42 | 1,600 | 16 | Below RSL |
| Cadmium | 54.3 | 2,100 | 7 | |
| Chromium | 61.4 | | 12,000 | Below RSL |
| Chromium, Hexavalent | 1.4 | 0.3 | 23 | |
| Cobalt | 29.5 | 420 | 2.3 | |
| Copper | 1,180 | | 310 | |
| Cyanide | 6.5 | | 2.1 | |
| Iron | 193,000 | | 5,500 | |
| Lead | 7,500 | | 40 | |
| Manganese | 1,590 | | 180 | |
| Mercury | 65 | | 2.3 | |
| Nickel | 23.7 | 15,000 | 150 | Below RSL |
| Nitrate as N | 2 | | 13,000 | Below RSL |
| Selenium | 51.8 | | 39 | |
| Silver | 29.9 | | 39 | Below RSL |
| Sulfate | 120,000 | | | |
| Thallium | 15.4 | | 0.078 | |
| Vanadium | 100 | | 39 | |
| Zinc | 16,400 | | 2,300 | |

TABLE K2-4

Risk-Based Screening Summary Table - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|--|-----------------------|----------------------|-------------------|-----------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| NR18 North American Industries Operations Area | | | | |
| Aluminum | 30,200 | | 7,700 | |
| Antimony | 32.8 | | 3.1 | |
| Arsenic | 3,090 | 0.67 | 3.4 | |
| Barium | 177 | | 1,500 | Below RSL |
| Beryllium | 0.76 | 1,600 | 16 | Below RSL |
| Cadmium | 24.6 | 2,100 | 7 | |
| Chromium | 140 | | 12,000 | Below RSL |
| Cobalt | 59.3 | 420 | 2.3 | |
| Copper | 470 | | 310 | |
| Cyanide | 0.26 | | 2.1 | Below RSL |
| Iron | 95,500 | | 5,500 | |
| Lead | 16,693 | | 40 | |
| Manganese | 1,350 | | 180 | |
| Mercury | 26 | | 2.3 | |
| Nickel | 115 | 15,000 | 150 | Below RSL |
| Nitrate as N | 970 | | 13,000 | Below RSL |
| Selenium | 26.7 | | 39 | Below RSL |
| Silver | 13 | | 39 | Below RSL |
| Sulfate | 19,000 | | | |
| Thallium | 2.9 | | 0.078 | |
| Vanadium | 127 | | 39 | |
| Zinc | 7,580 | | 2,300 | |
| NR2 Dewey-Humboldt Town Hall | | | | |
| Aluminum | 16,600 | | 7,700 | |
| Arsenic | 14.9 | 0.67 | 3.4 | |
| Barium | 203 | | 1,500 | Below RSL |
| Chromium | 25.7 | | 12,000 | Below RSL |
| Cobalt | 14.9 | 420 | 2.3 | |
| Copper | 27.1 | | 310 | Below RSL |
| Iron | 22,900 | | 5,500 | |
| Lead | 18.4 | | 40 | Below RSL |
| Manganese | 633 | | 180 | |
| Mercury | 0.059 | | 2.3 | Below RSL |
| Nickel | 20.7 | 15,000 | 150 | Below RSL |
| Vanadium | 42.4 | | 39 | |
| Zinc | 103 | | 2,300 | Below RSL |
| NR2 Humboldt Elementary School | | | | |
| Acetophenone | 0.2 | | 780 | Below RSL |
| Aluminum | 24,000 | | 7,700 | |
| Anthracene | 0.041 | | 1,700 | Below RSL |
| Antimony | 3.8 | | 3.1 | |
| Arsenic | 37.3 | 0.67 | 3.4 | |
| Barium | 239 | | 1,500 | Below RSL |
| Benzo[b]fluoranthene | 0.12 | 0.15 | | Below RSL |
| Benzo[k]fluoranthene | 0.061 | 1.5 | | Below RSL |
| Beryllium | 0.74 | 1,600 | 16 | Below RSL |
| bis(2-Ethylhexyl)phthalate | 0.32 | 38 | 120 | Below RSL |
| Cadmium | 2.7 | 2,100 | 7 | Below RSL |
| Chloride | 67 | | | |
| Chromium | 28.1 | | 12,000 | Below RSL |
| Chrysene | 0.24 | 15 | | Below RSL |
| Cobalt | 13.5 | 420 | 2.3 | |
| Copper | 94.4 | | 310 | Below RSL |
| Cyanide | 0.89 | | 2.1 | Below RSL |
| Fluoranthene | 0.49 | | 230 | Below RSL |

TABLE K2-4

Risk-Based Screening Summary Table - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|--|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 29,900 | | 5,500 | |
| Lead | 68.3 | | 40 | |
| Manganese | 805 | | 180 | |
| Mercury | 0.18 | | 2.3 | Below RSL |
| Nickel | 23.6 | 15,000 | 150 | Below RSL |
| Nitrate as N | 120 | | 13,000 | Below RSL |
| Phenanthrene | 0.28 | | 1,700 | Below RSL |
| Pyrene | 0.43 | | 170 | Below RSL |
| Selenium | 0.97 | | 39 | Below RSL |
| Silver | 0.71 | | 39 | Below RSL |
| Sulfate | 260 | | | |
| Vanadium | 82.3 | | 39 | |
| Zinc | 286 | | 2,300 | Below RSL |
| NR4 JT Septic Facility | | | | |
| Aluminum | 11,500 | | 7,700 | |
| Antimony | 25.5 | | 3.1 | |
| Arsenic | 1,940 | 0.67 | 3.4 | |
| Barium | 95.4 | | 1,500 | Below RSL |
| Beryllium | 0.13 | 1,600 | 16 | Below RSL |
| Cadmium | 8.1 | 2,100 | 7 | |
| Chromium | 11.7 | | 12,000 | Below RSL |
| Cobalt | 11.9 | 420 | 2.3 | |
| Copper | 192 | | 310 | Below RSL |
| Iron | 54,800 | | 5,500 | |
| Lead | 3,100 | | 40 | |
| Manganese | 496 | | 180 | |
| Nickel | 10.1 | 15,000 | 150 | Below RSL |
| Selenium | 24 | | 39 | Below RSL |
| Silver | 13.7 | | 39 | Below RSL |
| Thallium | 1.1 | | 0.078 | |
| Vanadium | 60.1 | | 39 | |
| Zinc | 1,940 | | 2,300 | Below RSL |
| NR5 Main Tailings Pile 1964 Blow Out Path | | | | |
| Aluminum | 12,900 | | 7,700 | |
| Antimony | 8.7 | | 3.1 | |
| Arsenic | 2,270 | 0.67 | 3.4 | |
| Barium | 146 | | 1,500 | Below RSL |
| Beryllium | 0.4 | 1,600 | 16 | Below RSL |
| Cadmium | 5.2 | 2,100 | 7 | Below RSL |
| Chromium | 16.9 | | 12,000 | Below RSL |
| Cobalt | 15.9 | 420 | 2.3 | |
| Copper | 88.8 | | 310 | Below RSL |
| Iron | 39,400 | | 5,500 | |
| Lead | 16,400 | | 40 | |
| Manganese | 825 | | 180 | |
| Nickel | 18.7 | 15,000 | 150 | Below RSL |
| Selenium | 11.5 | | 39 | Below RSL |
| Silver | 5.7 | | 39 | Below RSL |
| Thallium | 0.35 | | 0.078 | |
| Vanadium | 55.2 | | 39 | |
| Zinc | 5,970 | | 2,300 | |
| NR6 Middle Chaparral Gulch | | | | |
| Aluminum | 23,500 | | 7,700 | |
| Antimony | 7.8 | | 3.1 | |
| Arsenic | 3,400 | 0.67 | 3.4 | |
| Barium | 464 | | 1,500 | Below RSL |

TABLE K2-4

Risk-Based Screening Summary Table - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|----------------------------|-----------------------|----------------------|-------------------|-----------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Beryllium | 0.94 | 1,600 | 16 | Below RSL |
| Cadmium | 4.3 | 2,100 | 7 | Below RSL |
| Chromium | 31.2 | | 12,000 | Below RSL |
| Cobalt | 20.6 | 420 | 2.3 | |
| Copper | 388 | | 310 | |
| Iron | 46,300 | | 5,500 | |
| Lead | 3,420 | | 40 | |
| Manganese | 40,800 | | 180 | |
| Mercury | 0.22 | | 2.3 | Below RSL |
| Nickel | 60.6 | 15,000 | 150 | Below RSL |
| Nitrate as N | 0.5 | | 13,000 | Below RSL |
| Selenium | 9.7 | | 39 | Below RSL |
| Silver | 6.5 | | 39 | Below RSL |
| Sulfate | 8,800 | | | |
| Thallium | 0.46 | | 0.078 | |
| Vanadium | 82.5 | | 39 | |
| Zinc | 3,570 | | 2,300 | |
| NR7 Smelter Tailings Swale | | | | |
| Acetophenone | 0.071 | | 780 | Below RSL |
| Aluminum | 86,200 | | 7,700 | |
| Antimony | 22 | | 3.1 | |
| Arsenic | 1,100 | 0.67 | 3.4 | |
| Barium | 925 | | 1,500 | Below RSL |
| Beryllium | 3 | 1,600 | 16 | Below RSL |
| bis(2-Ethylhexyl)phthalate | 0.33 | 38 | 120 | Below RSL |
| Cadmium | 59.1 | 2,100 | 7 | |
| Chloride | 25 | | | |
| Chromium | 185 | | 12,000 | Below RSL |
| Cobalt | 51.9 | 420 | 2.3 | |
| Copper | 5,250 | | 310 | |
| Cyanide | 0.76 | | 2.1 | Below RSL |
| Di-n-butyl phthalate | 0.049 | | 620 | Below RSL |
| Iron | 154,000 | | 5,500 | |
| Lead | 971 | | 40 | |
| Manganese | 3,830 | | 180 | |
| Mercury | 1.5 | | 2.3 | Below RSL |
| Nickel | 162 | 15,000 | 150 | |
| Nitrate as N | 25 | | 13,000 | Below RSL |
| Perchlorate | 0.013 | | 5.5 | Below RSL |
| Selenium | 37.7 | | 39 | Below RSL |
| Silver | 24.6 | | 39 | Below RSL |
| Sulfate | 38,000 | | | |
| Thallium | 5.7 | | 0.078 | |
| Vanadium | 77.5 | | 39 | |
| Zinc | 4,660 | | 2,300 | |
| NR8 Tailings Floodplain | | | | |
| Aluminum | 28,100 | | 7,700 | |
| Antimony | 6.6 | | 3.1 | |
| Arsenic | 3,500 | 0.67 | 3.4 | |
| Barium | 521 | | 1,500 | Below RSL |
| Beryllium | 0.66 | 1,600 | 16 | Below RSL |
| Cadmium | 9.4 | 2,100 | 7 | |
| Chromium | 64.8 | | 12,000 | Below RSL |
| Cobalt | 35.5 | 420 | 2.3 | |
| Copper | 1,560 | | 310 | |
| Cyanide | 0.3 | | 2.1 | Below RSL |

TABLE K2-4

Risk-Based Screening Summary Table - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL TR=1.0E-6 (mg/kg) | NonCancer RSL HI=0.1 (mg/kg) | Below RSL |
|----------------------------------|-----------------------|------------------------------------|------------------------------------|-----------|
| | | | | |
| Iron | 87,400 | | 5,500 | |
| Lead | 12,300 | | 40 | |
| Manganese | 65,500 | | 180 | |
| Mercury | 10.1 | | 2.3 | |
| Nickel | 124 | 15,000 | 150 | Below RSL |
| Selenium | 14 | | 39 | Below RSL |
| Silver | 18.9 | | 39 | Below RSL |
| Sulfate | 74,000 | | | |
| Thallium | 4.7 | | 0.078 | |
| Vanadium | 53 | | 39 | |
| Zinc | 14,700 | | 2,300 | |
| NR9 Lower Chaparral Gulch | | | | |
| Aluminum | 26,800 | | 7,700 | |
| Antimony | 44.3 | | 3.1 | |
| Arsenic | 4,140 | 0.67 | 3.4 | |
| Barium | 280 | | 1,500 | Below RSL |
| Beryllium | 0.41 | 1,600 | 16 | Below RSL |
| Cadmium | 6.7 | 2,100 | 7 | Below RSL |
| Chromium | 119 | | 12,000 | Below RSL |
| Cobalt | 51.4 | 420 | 2.3 | |
| Copper | 1,610 | | 310 | |
| Cyanide | 0.17 | | 2.1 | Below RSL |
| Iron | 53,800 | | 5,500 | |
| Lead | 6,060 | | 40 | |
| Manganese | 2,570 | | 180 | |
| Mercury | 0.6 | | 2.3 | Below RSL |
| Nickel | 116 | 15,000 | 150 | Below RSL |
| Selenium | 34.8 | | 39 | Below RSL |
| Silver | 36 | | 39 | Below RSL |
| Thallium | 2.6 | | 0.078 | |
| Vanadium | 166 | | 39 | |
| Zinc | 8,140 | | 2,300 | |

Notes:

HI - Hazard Index

mg/kg - milligram per kilogram

RSL - Regional Screening Levels (January 2015)

TR - Target Risk

TABLE K2-5

Risk-Based Screening Summary Table - Sediment*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|--------------|-----------------------|----------------------|-------------------|-----------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| AF-01 | | | | |
| Aluminum | 24,800 | | 7,700 | |
| Antimony | | | 3.1 | |
| Arsenic | 20.6 | 0.67 | 3.4 | |
| Barium | 238 | | 1,500 | Below RSL |
| Beryllium | 0.89 | 1,600 | 16 | Below RSL |
| Cadmium | 0.27 | 2,100 | 7 | Below RSL |
| Chromium | 43.7 | | 12,000 | Below RSL |
| Cobalt | 13.5 | 420 | 2.3 | |
| Copper | 44.6 | | 310 | Below RSL |
| Cyanide | | | 2.1 | |
| Iron | 31,100 | | 5,500 | |
| Manganese | 535 | | | |
| Mercury | 0.035 | | 2.3 | Below RSL |
| Nickel | 26 | 15,000 | 150 | Below RSL |
| Nitrate as N | | | 13,000 | |
| Selenium | 1.5 | | 39 | Below RSL |
| Silver | 0.13 | | 39 | Below RSL |
| Sulfate | 66 | | | |
| TEQMammal | 0.00000022 | 0.0000049 | 0.0000051 | Below RSL |
| Thallium | | | 0.078 | |
| Vanadium | 73.6 | | 39 | |
| Zinc | 89 | | 2,300 | Below RSL |
| AF-02 | | | | |
| Aluminum | 47,731 | | 7,700 | |
| Antimony | 2.038 | | 3.1 | Below RSL |
| Arsenic | 83.22 | 0.67 | 3.4 | |
| Barium | 122.7 | | 1,500 | Below RSL |
| Beryllium | 3.09 | 1,600 | 16 | Below RSL |
| Cadmium | 8.852 | 2,100 | 7 | |
| Chromium | 404.6 | | 12,000 | Below RSL |
| Cobalt | 13.71 | 420 | 2.3 | |
| Copper | 5,576 | | 310 | |
| Cyanide | 0.11 | | 2.1 | Below RSL |
| Iron | 23,469 | | 5,500 | |
| Manganese | 562.8 | | | |
| Mercury | 0.154 | | 2.3 | Below RSL |
| Nickel | 326.7 | 15,000 | 150 | |
| Nitrate as N | 6.6 | | 13,000 | Below RSL |
| Selenium | 3.789 | | 39 | Below RSL |
| Silver | 6.301 | | 39 | Below RSL |
| Sulfate | 220 | | | |
| TEQMammal | 3.68E-08 | 0.0000049 | 0.0000051 | Below RSL |
| Thallium | 1.5 | | 0.078 | |
| Vanadium | 54.19 | | 39 | |
| Zinc | 1,468 | | 2,300 | Below RSL |
| AF-03 | | | | |
| Aluminum | 11,074 | | 7,700 | |
| Antimony | 0.909 | | 3.1 | Below RSL |
| Arsenic | 104.4 | 0.67 | 3.4 | |
| Barium | 106.2 | | 1,500 | Below RSL |
| Beryllium | 0.368 | 1,600 | 16 | Below RSL |
| Cadmium | 3.307 | 2,100 | 7 | Below RSL |
| Chromium | 18.8 | | 12,000 | Below RSL |
| Cobalt | 12.46 | 420 | 2.3 | |
| Copper | 241.9 | | 310 | Below RSL |

TABLE K2-5

Risk-Based Screening Summary Table - Sediment*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Max Detect (mg/kg) | Cancer RSL | NonCancer RSL | Below RSL |
|----------------|-------------------------------|------------------------------|---------------------------|------------------|
| | | TR=1.0E-6 (mg/kg) | HI=0.1 (mg/kg) | |
| Cyanide | 0.18 | | 2.1 | Below RSL |
| Iron | 24,032 | | 5,500 | |
| Manganese | 1,601 | | | |
| Mercury | 0.347 | | 2.3 | Below RSL |
| Nickel | 18.39 | 15,000 | 150 | Below RSL |
| Nitrate as N | 1 | | 13,000 | Below RSL |
| Selenium | 0.42 | | 39 | Below RSL |
| Silver | 0.628 | | 39 | Below RSL |
| Sulfate | 37 | | | |
| TEQMammal | | 0.0000049 | 0.0000051 | |
| Thallium | | | 0.078 | |
| Vanadium | 49.33 | | 39 | |
| Zinc | 703.6 | | 2,300 | Below RSL |

Notes:

HI - Hazard Index

mg/kg - milligram per kilogram

RSL - Regional Screening Levels (January 2015)

TR - Target Risk

K3. Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | | |
| 103 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 9 | 9 | 100% | N/A | N/A | 9,840 | 18,400 | 14,938 | 15,800 | 7,921,344 | 2,814 | 16,682 | 95% Student's-t UCL |
| Antimony | mg/kg | 9 | 9 | 100% | N/A | N/A | 1 | 3.5 | 1.944 | 2.2 | 0.733 | 0.856 | 2.475 | 95% Student's-t UCL |
| Arsenic | mg/kg | 9 | 9 | 100% | N/A | N/A | 17.5 | 62.6 | 37.97 | 37.8 | 251.1 | 15.85 | 47.79 | 95% Student's-t UCL |
| Cadmium | mg/kg | 9 | 9 | 100% | N/A | N/A | 1.1 | 8.5 | 2.767 | 1.9 | 5.53 | 2.352 | 4.994 | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 9 | 9 | 100% | N/A | N/A | 11.3 | 15.6 | 12.84 | 11.6 | 3.915 | 1.979 | 14.15 | 95% Modified-t UCL |
| Iron | mg/kg | 9 | 9 | 100% | N/A | N/A | 25,900 | 32,000 | 28,389 | 28,500 | 3,716,111 | 1,928 | 29,584 | 95% Student's-t UCL |
| Lead | mg/kg | 9 | 9 | 100% | N/A | N/A | 12.7 | 195 | 75.56 | 54.3 | 4,195 | 64.77 | 115.7 | 95% Student's-t UCL |
| Manganese | mg/kg | 9 | 9 | 100% | N/A | N/A | 541 | 778 | 606 | 582 | 5,295 | 72.77 | 651.1 | 95% Student's-t UCL |
| Vanadium | mg/kg | 9 | 9 | 100% | N/A | N/A | 43.7 | 56.5 | 49.79 | 49.4 | 13.95 | 3.735 | 52.1 | 95% Student's-t UCL |
| 104 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,810 | 17,200 | 14,191 | 14,050 | 5,017,921 | 2,240 | 15,490 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.9 | 42.8 | 28.44 | 29.25 | 77.24 | 8.789 | 33.53 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.7 | 24.3 | 17.74 | 16.5 | 11.28 | 3.359 | 19.69 | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 32.9 | 357 | 166.1 | 160.5 | 7,956 | 89.2 | 217.8 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 26,200 | 44,400 | 32,320 | 31,400 | 32,250,667 | 5,679 | 35,612 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.1 | 65.8 | 43.81 | 44.6 | 325.1 | 5,679 | 54.26 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 1,070 | 4,500 | 1,632 | 1,365 | 1,067,951 | 1,033 | 2,281 | or 95% Modified-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 43.8 | 72.8 | 56.17 | 56.85 | 83.64 | 9.146 | 61.47 | 95% Student's-t UCL |
| 105A | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 5,930 | 23,300 | 13,998 | 14,500 | 36,725,216 | 6,060 | 17,310 | 95% Student's-t UCL |
| Antimony | mg/kg | 11 | 8 | 73% | 0.15 | 6.8 | 0.61 | 3.8 | 2.264 | 2.5 | 1.209 | 1.1 | 2.607 | 95% KM (t) UCL |
| Arsenic | mg/kg | 27 | 27 | 100% | N/A | N/A | 8.5 | 89.4 | 40.16 | 35.2 | 508.7 | 22.55 | 49.63 | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 5.1 | 17.6 | 12.75 | 14.7 | 16.22 | 4.027 | 14.96 | 95% Student's-t UCL |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 18.4 | 429 | 202.7 | 201 | 17,153 | 131 | 274.2 | 95% Student's-t UCL |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 14,700 | 57,100 | 38,644 | 38,700 | 100,500,000 | 10,024 | 41,935 | 95% Student's-t UCL |
| Lead | mg/kg | 27 | 27 | 100% | N/A | N/A | 9.7 | 84.7 | 43.45 | 42.3 | 558.9 | 23.64 | 51.21 | 95% Student's-t UCL |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 346 | 2,060 | 1,131 | 1,240 | 248,002 | 498 | 1,295 | 95% Student's-t UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 31.1 | 108 | 64.01 | 68.6 | 556.4 | 23.59 | 76.9 | 95% Student's-t UCL |
| 105B | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 101,000 | 105,000 | 103,000 | 103,000 | 8,000,000 | 2,828 | 105,000 | Max Detect |
| Antimony | mg/kg | 2 | 2 | 100% | N/A | N/A | 38.7 | 39.4 | 39.05 | 39.05 | 0.245 | 0.495 | 39.4 | Max Detect |
| Arsenic | mg/kg | 8 | 8 | 100% | N/A | N/A | 18.9 | 92.7 | 41.99 | 26.9 | 715.9 | 26.76 | 74 | 95% Adjusted Gamma UCL |
| Cadmium | mg/kg | 2 | 2 | 100% | N/A | N/A | 17.1 | 18.3 | 17.7 | 17.7 | 0.72 | 0.849 | 18.3 | Max Detect |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 13.7 | 14.8 | 14.25 | 14.25 | 0.605 | 0.778 | 14.8 | Max Detect |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 4,700 | 4,830 | 4,765 | 4,765 | 8,450 | 91.92 | 4,830 | Max Detect |
| Iron | mg/kg | 8 | 8 | 100% | N/A | N/A | 20,000 | 37,400 | 29,463 | 31,150 | 34,434,107 | 5,868 | 33,393 | 95% Student's-t UCL |
| Lead | mg/kg | 8 | 8 | 100% | N/A | N/A | 8.17 | 698 | 226.1 | 60.7 | 78,918 | 280.9 | 698 | Max Detect |
| Manganese | mg/kg | 8 | 8 | 100% | N/A | N/A | 542 | 876 | 720.4 | 746.5 | 16,759 | 129.5 | 807.1 | 95% Student's-t UCL |
| Nickel | mg/kg | 2 | 2 | 100% | N/A | N/A | 197 | 253 | 225 | 225 | 1,568 | 39.6 | 253 | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 50.1 | 51.5 | 50.8 | 50.8 | 0.98 | 0.99 | 51.5 | Max Detect |
| Zinc | mg/kg | 8 | 8 | 100% | N/A | N/A | 86.6 | 4,800 | 1,406 | 473.5 | 3,141,635 | 1,772 | 2,594 | 95% Student's-t UCL |
| 106 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 13 | 13 | 100% | N/A | N/A | 11,700 | 36,800 | 22,208 | 23,200 | 49,425,769 | 7,030 | 25,683 | 95% Student's-t UCL |
| Antimony | mg/kg | 13 | 7 | 54% | 0.15 | 6.8 | 0.43 | 5.2 | 1.611 | 1.2 | 2.633 | 1.623 | 2.642 | 95% GROES Adjusted Gamma UCL |
| Arsenic | mg/kg | 28 | 28 | 100% | N/A | N/A | 15.4 | 277 | 67.95 | 53.1 | 3,925 | 62.65 | 89.91 | 95% H-UCL |
| Cobalt | mg/kg | 13 | 13 | 100% | N/A | N/A | 14 | 43.4 | 26.63 | 27.7 | 63.89 | 7.993 | 30.58 | 95% Student's-t UCL |
| Iron | mg/kg | 28 | 28 | 100% | N/A | N/A | 21,500 | 104,000 | 53,179 | 46,750 | 428,400,000 | 20,697 | 59,841 | 95% Student's-t UCL |
| Lead | mg/kg | 28 | 28 | 100% | N/A | N/A | 7.2 | 81.7 | 34.79 | 33.9 | 345.9 | 18.6 | 40.78 | 95% Student's-t UCL |
| Manganese | mg/kg | 28 | 28 | 100% | N/A | N/A | 431 | 7,170 | 1,383 | 957 | 2,275,099 | 1,508 | 2,626 | 95% Chebyshev (Mean, Sd) UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Sulfate | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.6 | 8.6 | 8.6 | 8.6 | N/A | N/A | N/A | 8.6 | Max Detect |
| Thallium | mg/kg | 13 | 1 | 8% | 0.022 | 5.4 | 0.38 | 0.38 | 0.38 | 0.38 | N/A | N/A | N/A | 0.38 | Max Detect |
| Vanadium | mg/kg | 13 | 13 | 100% | N/A | N/A | 41.4 | 188 | 98.9 | 100 | 1,750 | 41.83 | 41.83 | 119.6 | 95% Student's-t UCL |
| 107A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 39,100 | 39,100 | 39,100 | 39,100 | N/A | N/A | N/A | 39,100 | Max Detect |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 24.6 | 137 | 85.4 | 87.85 | 1,503 | 38.77 | 38.77 | 103.8 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 23.4 | 23.4 | 23.4 | 23.4 | N/A | N/A | N/A | 23.4 | Max Detect |
| Copper | mg/kg | 1 | 1 | 100% | N/A | N/A | 715 | 715 | 715 | 715 | N/A | N/A | N/A | 715 | Max Detect |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 34,000 | 65,400 | 48,886 | 49,850 | 80,942,857 | 8,997 | 8,997 | 53,144 | 95% Student's-t UCL |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 27.3 | 444 | 182.3 | 163 | 14,573 | 120.7 | 120.7 | 239.5 | 95% Student's-t UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 686 | 1,500 | 1,166 | 1,190 | 47,812 | 218.7 | 218.7 | 1,270 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 97.7 | 97.7 | 97.7 | 97.7 | N/A | N/A | N/A | 97.7 | Max Detect |
| 107B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 13 | 13 | 100% | N/A | N/A | 11,600 | 54,500 | 33,854 | 30,000 | 147,700,000 | 12,154 | 12,154 | 39,862 | 95% Student's-t UCL |
| Antimony | mg/kg | 13 | 10 | 77% | 0.15 | 7.8 | 1.7 | 13.6 | 6.47 | 6.15 | 14.15 | 3.762 | 3.762 | 7.487 | 95% KM (t) UCL |
| Arsenic | mg/kg | 34 | 34 | 100% | N/A | N/A | 5.5 | 377 | 104.9 | 90.5 | 6,025 | 77.62 | 77.62 | 127.4 | 95% Student's-t UCL |
| Cadmium | mg/kg | 13 | 13 | 100% | N/A | N/A | 0.78 | 11.8 | 5.529 | 5.4 | 11.34 | 3.368 | 3.368 | 7.194 | 95% Student's-t UCL |
| Cobalt | mg/kg | 13 | 13 | 100% | N/A | N/A | 13.1 | 23.7 | 17.37 | 16.9 | 7.549 | 2.748 | 2.748 | 18.73 | 95% Student's-t UCL |
| Copper | mg/kg | 13 | 13 | 100% | N/A | N/A | 48.1 | 2,690 | 1,125 | 1,040 | 697,364 | 835.1 | 835.1 | 1,538 | 95% Student's-t UCL |
| Iron | mg/kg | 34 | 34 | 100% | N/A | N/A | 25,300 | 107,000 | 42,803 | 38,250 | 238,500,000 | 15,443 | 15,443 | 47,474 | or 95% Modified-t UCL |
| Lead | mg/kg | 34 | 34 | 100% | N/A | N/A | 9.2 | 785 | 275.4 | 268 | 41,993 | 204.9 | 204.9 | 334.9 | 95% Student's-t UCL |
| Manganese | mg/kg | 34 | 34 | 100% | N/A | N/A | 452 | 3,480 | 918.2 | 778.5 | 360,028 | 600 | 600 | 1,103 | or 95% Modified-t UCL |
| Vanadium | mg/kg | 13 | 13 | 100% | N/A | N/A | 42.1 | 88.6 | 61.33 | 56.6 | 186.7 | 13.66 | 13.66 | 68.28 | or 95% Modified-t UCL |
| 108 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 13 | 13 | 100% | N/A | N/A | 13,400 | 40,100 | 24,192 | 23,000 | 65,937,436 | 8,120 | 8,120 | 28,206 | 95% Student's-t UCL |
| Antimony | mg/kg | 13 | 12 | 92% | 7 | 7 | 0.48 | 14.1 | 4.598 | 2.75 | 19.26 | 4.388 | 4.388 | 9.612 | 95% KM (Chebyshev) UCL |
| Arsenic | mg/kg | 32 | 32 | 100% | N/A | N/A | 11.4 | 346 | 89.87 | 66.35 | 5,471 | 73.97 | 73.97 | 115.8 | 95% H-UCL |
| Cadmium | mg/kg | 13 | 13 | 100% | N/A | N/A | 1.2 | 9.4 | 5.085 | 4.6 | 5.631 | 2.373 | 2.373 | 6.258 | 95% Student's-t UCL |
| Cobalt | mg/kg | 13 | 13 | 100% | N/A | N/A | 7.9 | 22.4 | 15.65 | 15.5 | 21.27 | 4.612 | 4.612 | 17.93 | 95% Student's-t UCL |
| Copper | mg/kg | 13 | 13 | 100% | N/A | N/A | 47 | 2,460 | 981.2 | 1,010 | 410,705 | 640.9 | 640.9 | 1,298 | 95% Student's-t UCL |
| Iron | mg/kg | 32 | 32 | 100% | N/A | N/A | 23,200 | 68,400 | 40,991 | 41,200 | 128,400,000 | 11,333 | 11,333 | 44,388 | 95% Student's-t UCL |
| Lead | mg/kg | 32 | 32 | 100% | N/A | N/A | 16.7 | 1,430 | 248.7 | 117.6 | 124,102 | 352.3 | 352.3 | 418.7 | 95% H-UCL |
| Manganese | mg/kg | 32 | 32 | 100% | N/A | N/A | 289 | 4,700 | 1,164 | 978 | 618,420 | 786.4 | 786.4 | 1,400 | 95% Student's-t UCL |
| Vanadium | mg/kg | 13 | 13 | 100% | N/A | N/A | 47.9 | 117 | 69.4 | 65.3 | 396.8 | 19.92 | 19.92 | 79.25 | 95% Student's-t UCL |
| Zinc | mg/kg | 32 | 32 | 100% | N/A | N/A | 58.1 | 2,590 | 519.7 | 414.5 | 229,808 | 479.4 | 479.4 | 669 | 95% Adjusted Gamma UCL |
| 109 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 17,300 | 63,800 | 34,791 | 34,000 | 215,900,000 | 14,694 | 14,694 | 42,821 | 95% Student's-t UCL |
| Antimony | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.65 | 20.2 | 9.435 | 7.1 | 41.72 | 6.459 | 6.459 | 13.18 | 95% Student's-t UCL |
| Arsenic | mg/kg | 24 | 23 | 96% | 28 | 28 | 13.6 | 236 | 110 | 104 | 5,758 | 75.88 | 75.88 | 174.3 | 95% KM (Chebyshev) UCL |
| Cadmium | mg/kg | 11 | 10 | 91% | 0.0031 | 0.0031 | 1.5 | 11.5 | 5.6 | 4.7 | 8.927 | 2.988 | 2.988 | 6.903 | 95% KM (t) UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 2 | 22.8 | 10.46 | 7.8 | 54.47 | 7.381 | 7.381 | 17.22 | 95% Adjusted Gamma UCL |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 57.1 | 2,840 | 1,112 | 1,080 | 634,515 | 796.6 | 796.6 | 1,548 | 95% Student's-t UCL |
| Iron | mg/kg | 24 | 24 | 100% | N/A | N/A | 4,840 | 47,500 | 29,604 | 37,550 | 236,300,000 | 15,372 | 15,372 | 43,282 | 95% Chebyshev (Mean, Sd) UCL |
| Lead | mg/kg | 24 | 24 | 100% | N/A | N/A | 8.17 | 996 | 311.4 | 260.5 | 53,755 | 231.9 | 231.9 | 392.5 | 95% Student's-t UCL |
| Manganese | mg/kg | 24 | 24 | 100% | N/A | N/A | 202 | 974 | 651.2 | 747.5 | 71,268 | 267 | 267 | 888.7 | 95% Chebyshev (Mean, Sd) UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.7 | 76.8 | 37.77 | 20.9 | 613.2 | 24.76 | 24.76 | 70.32 | 95% Chebyshev (Mean, Sd) UCL |
| Zinc | mg/kg | 24 | 24 | 100% | N/A | N/A | 74.9 | 3,240 | 1,133 | 920.5 | 638,530 | 799.1 | 799.1 | 1,531 | 95% Adjusted Gamma UCL |
| 110 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 6,700 | 14,300 | 10,987 | 11,450 | 4,236,312 | 2,058 | 2,058 | 12,180 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.8 | 45.3 | 20.34 | 18.4 | 99.51 | 9.975 | 9.975 | 26.12 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.9 | 13.2 | 10.73 | 10.8 | 3.062 | 1.75 | 11.74 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,300 | 28,700 | 24,180 | 24,200 | 12,986,222 | 3,604 | 26,269 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.7 | 148 | 51.23 | 42.3 | 1,860 | 43.13 | 76.23 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 342 | 839 | 557.7 | 506.5 | 31,636 | 177.9 | 660.8 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31.7 | 48 | 42.52 | 43.45 | 20.82 | 4.563 | 45.16 | 95% Student's-t UCL | |
| 1101A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,100 | 18,100 | 18,100 | 18,100 | N/A | N/A | 18,100 | Max Detect | |
| Arsenic | mg/kg | 13 | 13 | 100% | N/A | N/A | 18.1 | 98.2 | 50.88 | 37 | 858.7 | 29.3 | 65.37 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.3 | 11.3 | 11.3 | 11.3 | N/A | N/A | 11.3 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 34,000 | 45,100 | 41,564 | 41,900 | 9,898,545 | 3,146 | 43,283 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 548 | 1,310 | 724.8 | 686 | 43,050 | 207.5 | 856 | 95% Adjusted Gamma UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 52.8 | 52.8 | 52.8 | 52.8 | N/A | N/A | 52.8 | Max Detect | |
| 1101B | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 25.7 | 206 | 89.6 | 55 | 4,351 | 65.96 | 125.6 | 95% Student's-t UCL | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 36,800 | 55,100 | 44,645 | 44,400 | 25,780,727 | 5,077 | 47,420 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 9 | 82% | 16.5 | 16.5 | 9.38 | 68.2 | 36.95 | 34.3 | 513.7 | 22.66 | 44.86 | 95% KM (t) UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 567 | 966 | 683 | 643 | 14,774 | 121.5 | 749.4 | 95% Student's-t UCL | |
| 1102 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 20,500 | 23,900 | 22,467 | 23,000 | 3,103,333 | 1,762 | 23,900 | Max Detect | |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 13.1 | 197 | 41.21 | 26.9 | 1,842 | 42.92 | 86.58 | 95% Chebyshev (Mean, Sd) UCL | |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 13 | 13.7 | 13.37 | 13.4 | 0.123 | 0.351 | 13.7 | Max Detect | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 31,900 | 63,300 | 42,865 | 40,800 | 77,702,426 | 8,815 | 46,597 | 95% Student's-t UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 420 | 1,670 | 815.3 | 681 | 103,180 | 321.2 | 951.3 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 59.2 | 81.5 | 73.93 | 81.1 | 162.8 | 12.76 | 81.5 | Max Detect | |
| 1104A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 16,900 | 16,900 | 16,900 | 16,900 | N/A | N/A | 16,900 | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 25.7 | 25.7 | 14.2 | 98.2 | 52.49 | 43.8 | 1,158 | 34.03 | 67.95 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.6 | 11.6 | 11.6 | 11.6 | N/A | N/A | 11.6 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 28,000 | 39,600 | 36,727 | 37,800 | 9,778,182 | 3,127 | 38,436 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.3 | 86.6 | 38.94 | 35.9 | 714.8 | 26.74 | 53.55 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 455 | 1,090 | 706.5 | 677 | 32,555 | 180.4 | 808.5 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 76 | 76 | 76 | 76 | N/A | N/A | 76 | Max Detect | |
| 1104B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 16,700 | 17,800 | 17,250 | 17,250 | 605,000 | 777.8 | 17,800 | Max Detect | |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 33.7 | 175 | 84.59 | 88.3 | 2,039 | 45.15 | 103.7 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 12.4 | 13.3 | 12.85 | 12.85 | 0.405 | 0.636 | 13.3 | Max Detect | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 35,200 | 44,300 | 41,400 | 41,800 | 5,295,000 | 2,301 | 42,374 | 95% Student's-t UCL | |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 9.38 | 99.5 | 36.69 | 32.7 | 839.8 | 28.98 | 53.69 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 495 | 830 | 629.6 | 615 | 8,622 | 92.86 | 669.9 | 95% Modified-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 70.4 | 81 | 75.7 | 75.7 | 56.18 | 7.495 | 81 | Max Detect | |
| 1106 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 14,500 | 27,700 | 20,933 | 20,600 | 43,643,333 | 6,606 | 27,700 | Max Detect | |
| Arsenic | mg/kg | 23 | 22 | 96% | 25.7 | 25.7 | 14.2 | 160 | 61.18 | 49.4 | 1,579 | 39.74 | 73.65 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 11.4 | 13.9 | 12.47 | 12.1 | 1.663 | 1.29 | 13.9 | Max Detect | |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 27,400 | 39,900 | 34,509 | 34,600 | 10,237,194 | 3,200 | 35,654 | 95% Student's-t UCL | |
| Lead | mg/kg | 23 | 23 | 100% | N/A | N/A | 10.6 | 129 | 46.13 | 30.4 | 1,214 | 34.84 | 62.35 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 511 | 1,230 | 810.1 | 805 | 39,600 | 199 | 881.4 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 62.1 | 81.6 | 71.27 | 70.1 | 96.08 | 9.802 | 81.6 | Max Detect | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-------------------------------|------------------|---------------------------|
| 1107 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 13,100 | 19,800 | 16,450 | 16,450 | 22,445,000 | 4,738 | 19,800 | Max Detect |
| Arsenic | mg/kg | 23 | 22 | 96% | 25.7 | 25.7 | 17.7 | 107 | 46.49 | 35.9 | 664.2 | 25.77 | 56.31 | 95% Adjusted Gamma KM-UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10.5 | 19.1 | 14.8 | 14.8 | 36.98 | 6.081 | 19.1 | Max Detect |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 27,700 | 43,700 | 36,509 | 37,300 | 12,052,648 | 3,472 | 37,752 | 95% Student's-t UCL |
| Lead | mg/kg | 23 | 23 | 100% | N/A | N/A | 12.4 | 80.1 | 33.12 | 32.7 | 302.4 | 17.39 | 39.35 | 95% Student's-t UCL |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 471 | 934 | 656.3 | 657 | 12,036 | 109.7 | 695.6 | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 70.8 | 86.1 | 78.45 | 78.45 | 117 | 10.82 | 86.1 | Max Detect |
| 1108 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 19,000 | 25,600 | 21,867 | 21,000 | 11,453,333 | 3,384 | 25,600 | Max Detect |
| Arsenic | mg/kg | 26 | 25 | 96% | 13.1 | 13.1 | 13.1 | 101 | 46.19 | 37 | 849.2 | 29.14 | 54.74 | 95% KM (t) UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 12.8 | 14.8 | 13.93 | 14.2 | 1.053 | 1.026 | 14.8 | Max Detect |
| Iron | mg/kg | 24 | 24 | 100% | N/A | N/A | 26,300 | 39,800 | 35,096 | 35,650 | 10,403,025 | 3,225 | 36,224 | 95% Student's-t UCL |
| Lead | mg/kg | 26 | 26 | 100% | N/A | N/A | 8.2 | 101 | 35.27 | 29.25 | 555.8 | 23.57 | 43.17 | 95% Student's-t UCL |
| Manganese | mg/kg | 24 | 24 | 100% | N/A | N/A | 453 | 802 | 623 | 619 | 7,377 | 85.89 | 653.1 | 95% Student's-t UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 73.5 | 87.5 | 80.47 | 80.4 | 49 | 7 | 87.5 | Max Detect |
| 112 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,800 | 19,000 | 16,250 | 16,500 | 6,233,889 | 2,497 | 17,697 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.1 | 36.3 | 24.04 | 23.3 | 54.87 | 7.408 | 28.33 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.6 | 19.4 | 16.59 | 16.35 | 2.623 | 1.62 | 17.53 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 28,900 | 44,800 | 35,760 | 35,500 | 18,731,556 | 4,328 | 38,269 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 603 | 1,100 | 841.6 | 783.5 | 28,602 | 169.1 | 939.6 | 95% Student's-t UCL |
| Sulfate | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.7 | 8.7 | 8.7 | 8.7 | N/A | N/A | 8.7 | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 51.3 | 73.2 | 60.92 | 60.25 | 38.46 | 6.202 | 64.51 | 95% Student's-t UCL |
| 113 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.4 | 17,400 | 12,039 | 13,700 | 30,549,427 | 5,527 | 15,243 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 9 | 90% | 1 | 1 | 4.8 | 41.2 | 23.86 | 26.2 | 166.4 | 12.9 | 29.82 | 95% KM (t) UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.14 | 16.6 | 11 | 12.65 | 26.84 | 5.181 | 14.01 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.7 | 33,800 | 24,428 | 30,450 | 129,100,000 | 11,364 | 33,800 | Max Detect |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.4 | 901 | 619.6 | 721 | 80,251 | 283.3 | 783.9 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.16 | 55.4 | 41.18 | 48.8 | 334.7 | 18.29 | 55.4 | Max Detect |
| 114 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,700 | 17,000 | 14,320 | 14,800 | 4,397,333 | 2,097 | 15,536 | 95% Student's-t UCL |
| Antimony | mg/kg | 10 | 5 | 50% | 0.94 | 3.6 | 1.1 | 4.3 | 2.36 | 1.6 | 2.088 | 1.445 | 2.552 | 95% KM (t) UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.9 | 151 | 74.76 | 79 | 2,593 | 50.93 | 104.3 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.8 | 14.2 | 12.56 | 12.55 | 2.247 | 1.499 | 13.43 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 26,100 | 38,000 | 31,990 | 30,750 | 12,938,778 | 3,597 | 34,075 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.5 | 117 | 51.42 | 49.5 | 1,321 | 36.35 | 72.49 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 439 | 714 | 630.1 | 644.5 | 8,393 | 91.62 | 683.2 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 43.9 | 65.8 | 54.37 | 55.1 | 57.72 | 7.597 | 58.77 | 95% Student's-t UCL |
| 115 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 5,060 | 32,700 | 23,915 | 26,800 | 64,902,327 | 8,056 | 28,317 | 95% Student's-t UCL |
| Arsenic | mg/kg | 27 | 27 | 100% | N/A | N/A | 3.6 | 81.7 | 35.36 | 31.4 | 420.3 | 20.5 | 42.09 | 95% Student's-t UCL |
| Barium | mg/kg | 11 | 11 | 100% | N/A | N/A | 196 | 2,300 | 1,106 | 737 | 572,476 | 756.6 | 1,519 | 95% Student's-t UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 6.2 | 31.4 | 26.08 | 29.4 | 56.12 | 7.491 | 30.18 | 95% Student's-t UCL |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 10,200 | 54,700 | 38,259 | 38,800 | 69,205,584 | 8,319 | 40,990 | 95% Student's-t UCL |
| Lead | mg/kg | 27 | 26 | 96% | 7 | 7 | 6.7 | 126 | 39.95 | 22 | 1,321 | 36.35 | 69.12 | 95% KM (Chebyshev) UCL |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 255 | 1,050 | 807.5 | 788 | 24,213 | 155.6 | 858.6 | 95% Student's-t UCL |
| Nickel | mg/kg | 11 | 11 | 100% | N/A | N/A | 21.5 | 188 | 140.1 | 158 | 2,834 | 53.23 | 169.2 | 95% Student's-t UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 23.3 | 114 | 76.34 | 85.9 | 565.4 | 23.78 | 89.33 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-------------------------------|------------------|------------------------------|
| 116 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,900 | 19,300 | 16,020 | 15,600 | 4,210,667 | 2,052 | 17,210 | 95% Student's-t UCL |
| Antimony | mg/kg | 10 | 4 | 40% | 6.2 | 6.6 | 0.51 | 148 | 38.95 | 3.65 | 5,288 | 72.72 | 46.41 | 95% KM (t) UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.5 | 677 | 114.8 | 38.4 | 40,853 | 202.1 | 393.4 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.7 | 16.8 | 14.46 | 15.05 | 3.376 | 1.837 | 15.53 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 30,400 | 35,400 | 32,760 | 32,750 | 3,942,667 | 1,986 | 33,911 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.3 | 201 | 52.82 | 27.15 | 3,590 | 59.91 | 135.4 | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 677 | 3,070 | 1,278 | 1,050 | 473,742 | 688.3 | 1,677 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 49.5 | 65.7 | 55.69 | 55 | 28.98 | 5.383 | 58.81 | 95% Student's-t UCL |
| 117 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,400 | 17,500 | 13,590 | 12,900 | 5,174,333 | 2,275 | 14,909 | 95% Student's-t UCL |
| Antimony | mg/kg | 10 | 6 | 60% | 6.2 | 6.6 | 0.57 | 5.6 | 2.297 | 1.895 | 4.149 | 2.037 | 3.821 | 95% KM (t) UCL |
| Arsenic | mg/kg | 12 | 12 | 100% | N/A | N/A | 14.6 | 168 | 58.82 | 26.5 | 3,055 | 55.27 | 128.4 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.1 | 15.8 | 14.93 | 14.9 | 0.465 | 0.682 | 15.33 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 27,300 | 38,400 | 32,160 | 32,000 | 12,718,222 | 3,566 | 34,227 | 95% Student's-t UCL |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 8 | 172 | 57.28 | 26.8 | 3,580 | 59.83 | 113.7 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 530 | 750 | 611 | 595.5 | 4,007 | 63.3 | 647.7 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 54.8 | 77.8 | 61.49 | 60.45 | 43.89 | 6.625 | 65.33 | 95% Student's-t UCL |
| 119 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,800 | 19,800 | 15,460 | 16,100 | 6,936,000 | 2,634 | 16,987 | 95% Student's-t UCL |
| Antimony | mg/kg | 10 | 7 | 70% | 6.2 | 6.5 | 0.79 | 7.1 | 1.933 | 1 | 5.276 | 2.297 | 2.813 | 95% KM (BCA) UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.8 | 103 | 34.27 | 27.6 | 692.5 | 26.32 | 49.52 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.6 | 15.9 | 14.08 | 14.2 | 1.948 | 1.396 | 14.89 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 22,300 | 39,100 | 29,350 | 30,100 | 28,336,111 | 5,323 | 32,436 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.3 | 383 | 117.3 | 61.9 | 18,388 | 135.6 | 264.7 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 394 | 1,090 | 738.1 | 721.5 | 37,001 | 192.4 | 849.6 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 44.9 | 147 | 62.51 | 52.6 | 916.6 | 30.28 | 81.55 | or 95% Modified-t UCL |
| 120 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 9,270 | 23,700 | 15,852 | 16,000 | 12,364,136 | 3,516 | 17,773 | 95% Student's-t UCL |
| Antimony | mg/kg | 11 | 5 | 45% | 0.16 | 6.7 | 1.1 | 160 | 33.18 | 1.6 | 5,026 | 70.9 | 160 | Max Detect |
| Arsenic | mg/kg | 15 | 15 | 100% | N/A | N/A | 11.9 | 47.2 | 22.63 | 19.4 | 82.86 | 9.103 | 26.77 | 95% Student's-t UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 9.3 | 19.5 | 14.55 | 14.5 | 6.957 | 2.638 | 16 | 95% Student's-t UCL |
| Cyanide | mg/kg | 10 | 6 | 60% | 2.6 | 2.8 | 0.29 | 6.5 | 1.56 | 0.65 | 5.905 | 2.43 | 5.059 | 97.5% KM (Chebyshev) UCL |
| Iron | mg/kg | 15 | 15 | 100% | N/A | N/A | 20,400 | 38,000 | 30,600 | 29,400 | 25,964,286 | 5,096 | 32,917 | 95% Student's-t UCL |
| Lead | mg/kg | 15 | 15 | 100% | N/A | N/A | 13.8 | 18,100 | 1,360 | 18.5 | 21,714,358 | 4,660 | 13,331 | 99% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 15 | 15 | 100% | N/A | N/A | 526 | 1,160 | 911 | 894 | 29,528 | 171.8 | 989.1 | 95% Student's-t UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 36.4 | 81.4 | 53.21 | 51.6 | 120.9 | 10.99 | 59.22 | 95% Student's-t UCL |
| 121 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 7,660 | 25,600 | 19,233 | 21,200 | 27,852,982 | 5,278 | 22,117 | 95% Student's-t UCL |
| Arsenic | mg/kg | 27 | 27 | 100% | N/A | N/A | 6.5 | 80 | 47.53 | 47.2 | 263.7 | 16.24 | 52.86 | 95% Student's-t UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 6.1 | 20.3 | 14.9 | 15.3 | 16.78 | 4.096 | 17.14 | 95% Student's-t UCL |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 13,600 | 55,100 | 38,989 | 39,200 | 66,754,103 | 8,170 | 41,671 | 95% Student's-t UCL |
| Lead | mg/kg | 27 | 27 | 100% | N/A | N/A | 6.6 | 167 | 44.19 | 35.9 | 1,074 | 32.78 | 56.19 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 239 | 1,650 | 749.3 | 741 | 59,748 | 244.4 | 832.2 | or 95% Modified-t UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 25.8 | 80.3 | 65.01 | 67.6 | 218.3 | 14.77 | 73.08 | 95% Student's-t UCL |
| 122 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,570 | 17,900 | 11,817 | 10,550 | 7,530,001 | 2,744 | 13,487 | or 95% Modified-t UCL |
| Antimony | mg/kg | 10 | 4 | 40% | 0.72 | 6.9 | 0.49 | 15 | 4.375 | 1.005 | 50.24 | 7.088 | 5.046 | 95% KM (t) UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.2 | 33.1 | 21.05 | 20.35 | 48.03 | 6.931 | 25.07 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.5 | 15 | 9.81 | 9.3 | 5.145 | 2.268 | 11.44 | 95% Adjusted Gamma UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,200 | 32,300 | 22,140 | 19,850 | 31,678,222 | 5,628 | 25,403 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.6 | 192 | 55.88 | 30.8 | 3,470 | 58.9 | 123.1 | 95% H-UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 377 | 1,420 | 652.4 | 534.5 | 98,825 | 314.4 | 834.6 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31.4 | 57.2 | 41.22 | 38.2 | 79.27 | 8.903 | 46.38 | 95% Student's-t UCL | |
| 126 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 12 | 12 | 100% | N/A | N/A | 11,400 | 35,200 | 25,117 | 26,400 | 36,494,242 | 6,041 | 28,249 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 27 | 27 | 100% | N/A | N/A | 20.9 | 201 | 74.04 | 58.4 | 1,741 | 41.72 | 89.68 | 95% Adjusted Gamma UCL | |
| Cadmium | mg/kg | 12 | 10 | 83% | 0.014 | 0.015 | 2.2 | 7.7 | 5.43 | 5.6 | 2,309 | 1.52 | 5.844 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 12 | 12 | 100% | N/A | N/A | 13 | 39 | 29.61 | 30.3 | 40.14 | 6.336 | 32.89 | 95% Student's-t UCL | |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 27,700 | 160,000 | 79,507 | 75,500 | 790,900,000 | 28,122 | 88,738 | 95% Student's-t UCL | |
| Lead | mg/kg | 27 | 26 | 96% | 4.23 | 4.23 | 10.1 | 76.4 | 36.11 | 32.3 | 312.8 | 17.69 | 40.97 | 95% KM (t) UCL | |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 620 | 3,160 | 1,352 | 1,210 | 239,285 | 489.2 | 1,513 | 95% Student's-t UCL | |
| Thallium | mg/kg | 12 | 3 | 25% | 0.021 | 2.7 | 0.58 | 1.2 | 0.793 | 0.6 | 0.124 | 0.352 | 0.916 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 12 | 12 | 100% | N/A | N/A | 61.8 | 263 | 176.6 | 184.5 | 2,518 | 50.18 | 202.6 | 95% Student's-t UCL | |
| 127 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 24 | 24 | 100% | N/A | N/A | 9,420 | 28,000 | 13,859 | 12,800 | 14,877,408 | 3,857 | 15,274 | or 95% Modified-t UCL | |
| Antimony | mg/kg | 24 | 20 | 83% | 0.15 | 21 | 0.52 | 4 | 1.245 | 0.82 | 0.837 | 0.915 | 1.95 | 95% KM (Chebyshev) UCL | |
| Arsenic | mg/kg | 66 | 66 | 100% | N/A | N/A | 7.1 | 633 | 58.66 | 30.65 | 8,561 | 92.52 | 108.3 | 95% Chebyshev (Mean, Sd) UCL | |
| Cobalt | mg/kg | 24 | 24 | 100% | N/A | N/A | 6.2 | 17 | 11.59 | 11.8 | 3.978 | 1.995 | 12.29 | 95% Student's-t UCL | |
| Iron | mg/kg | 46 | 46 | 100% | N/A | N/A | 16,500 | 51,400 | 28,385 | 29,150 | 58,645,319 | 7,658 | 30,281 | 95% Student's-t UCL | |
| Lead | mg/kg | 66 | 66 | 100% | N/A | N/A | 9 | 871 | 75.6 | 42.3 | 16,172 | 127.2 | 143.8 | 95% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 46 | 46 | 100% | N/A | N/A | 234 | 1,800 | 686.6 | 646 | 46,506 | 215.7 | 742.4 | or 95% Modified-t UCL | |
| Mercury | mg/kg | 23 | 19 | 83% | 0.1 | 0.11 | 0.052 | 7.1 | 0.931 | 0.13 | 3.184 | 1.784 | 2.939 | 97.5% KM (Chebyshev) UCL | |
| Thallium | mg/kg | 24 | 6 | 25% | 0.022 | 11 | 0.46 | 1.1 | 0.703 | 0.625 | 0.0583 | 0.241 | 0.707 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 24 | 24 | 100% | N/A | N/A | 29.8 | 80 | 42.13 | 36.1 | 156.8 | 12.52 | 46.67 | or 95% Modified-t UCL | |
| 129 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 7,340 | 18,000 | 13,574 | 14,100 | 10,335,649 | 3,215 | 15,438 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.2 | 34.6 | 22.55 | 22.45 | 51.25 | 7.159 | 26.7 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.6 | 17.1 | 12.98 | 13.6 | 9.493 | 3.081 | 14.77 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,000 | 30,300 | 23,180 | 23,800 | 23,259,556 | 4,823 | 25,976 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.3 | 101 | 42.75 | 43.3 | 644.1 | 25.38 | 57.46 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 479 | 1,470 | 968.3 | 984 | 144,223 | 379.8 | 1,188 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 29.4 | 56 | 42.18 | 41.45 | 61 | 7.81 | 46.71 | 95% Student's-t UCL | |
| 130 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,890 | 13,100 | 11,609 | 12,050 | 1,335,921 | 1,156 | 12,279 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.9 | 24.3 | 16.96 | 16.9 | 8.607 | 2.934 | 19.04 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.5 | 13.6 | 11.14 | 10.9 | 1.587 | 1.26 | 11.87 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,500 | 21,300 | 19,730 | 19,850 | 1,829,000 | 1,352 | 20,514 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 18.6 | 65.8 | 39.37 | 37.85 | 214.4 | 14.64 | 47.86 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 734 | 4,580 | 1,528 | 966 | 1,734,215 | 1,317 | 3,344 | 95% Chebyshev (Mean, Sd) UCL | |
| Thallium | mg/kg | 10 | 1 | 10% | 0.36 | 2.5 | 0.41 | 0.41 | 0.41 | 0.41 | N/A | N/A | 0.41 | Max Detect | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 29.3 | 39.4 | 35.28 | 34.7 | 10.19 | 3.193 | 37.13 | 95% Student's-t UCL | |
| 131 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 6,820 | 16,600 | 12,392 | 11,950 | 7,473,973 | 2,734 | 13,977 | 95% Student's-t UCL | |
| Antimony | mg/kg | 10 | 10 | 100% | N/A | N/A | 6 | 6 | 6 | 6 | 0 | 0 | 6 | Max Detect | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.2 | 41.6 | 18.94 | 17.2 | 92 | 9.592 | 24.5 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.3 | 16.2 | 12.91 | 13.15 | 6.081 | 2.466 | 14.34 | 95% Student's-t UCL | |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 44.8 | 351 | 140.7 | 114 | 9,826 | 99.12 | 198.2 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,900 | 26,400 | 22,060 | 21,900 | 13,340,444 | 3,652 | 24,177 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.3 | 63.6 | 38.03 | 43.5 | 409.3 | 20.23 | 49.76 | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|--------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 383 | 1,820 | 1,205 | 1,210 | 180,984 | 425.4 | 1,452 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 3 | 30% | 2.4 | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 | 0 | 0 | 2.5 | | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 32.8 | 48.2 | 41.33 | 42.35 | 30.94 | 5.562 | 44.55 | | 95% Student's-t UCL |
| 133 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 8,800 | 10,600 | 9,700 | 9,700 | 1,620,000 | 1,273 | 10,600 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 52.1 | 24.58 | 18.9 | 108.8 | 10.43 | 30.28 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10.3 | 12.5 | 11.4 | 11.4 | 2.42 | 1.556 | 12.5 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 8,810 | 26,100 | 14,498 | 11,700 | 42,864,296 | 6,547 | 18,194 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 10.6 | 110 | 24.83 | 13.2 | 839.3 | 28.97 | 62.9 | | or 95% Modified-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 615 | 1,070 | 898.8 | 934 | 23,818 | 154.3 | 983.2 | | 95% Student's-t UCL |
| Thallium | mg/kg | 2 | 2 | 100% | N/A | N/A | 0.37 | 0.53 | 0.45 | 0.45 | 1.28E-02 | 0.113 | 0.53 | | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 36.9 | 43.6 | 40.25 | 40.25 | 22.45 | 4.738 | 43.6 | | Max Detect |
| 134 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,260 | 13,500 | 11,636 | 11,600 | 1,936,960 | 1,392 | 12,443 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.6 | 47.2 | 23.18 | 19.3 | 105.2 | 10.26 | 29.13 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6 | 9.6 | 8.26 | 8.3 | 0.985 | 0.992 | 8.835 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,300 | 20,500 | 18,850 | 19,200 | 3,042,778 | 1,744 | 19,861 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 21.7 | 67.3 | 38.19 | 33.4 | 235.1 | 15.33 | 47.08 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 374 | 539 | 487.4 | 490.5 | 2,313 | 48.09 | 515.3 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 7 | 70% | 0.74 | 2.5 | 0.55 | 1.3 | 0.811 | 0.71 | 0.065 | 0.255 | 0.951 | | 95% KM (t) UCL |
| 135 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,740 | 20,800 | 15,014 | 14,950 | 14,071,738 | 3,751 | 17,189 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 4.1 | 73.5 | 28.17 | 25.7 | 334 | 18.27 | 38.76 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.8 | 17 | 12.26 | 12.45 | 14.56 | 3.815 | 14.47 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,500 | 32,700 | 24,320 | 24,050 | 20,968,444 | 4,579 | 26,974 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.6 | 278 | 69.08 | 33.45 | 6,647 | 81.53 | 148.1 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 393 | 1,930 | 903.6 | 786.5 | 238,559 | 488.4 | 1,187 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 30.6 | 57.2 | 44.78 | 48 | 90.68 | 9.523 | 50.3 | | 95% Student's-t UCL |
| 136 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 9 | 9 | 100% | N/A | N/A | 11,700 | 20,600 | 14,656 | 14,500 | 7,422,778 | 2,724 | 16,344 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 9 | 9 | 100% | N/A | N/A | 10 | 40.1 | 26.2 | 26.1 | 67.81 | 8.234 | 31.3 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 9 | 9 | 100% | N/A | N/A | 11.9 | 18 | 16.08 | 16.5 | 3.934 | 1.984 | 17.31 | | 95% Student's-t UCL |
| Copper | mg/kg | 9 | 9 | 100% | N/A | N/A | 64.6 | 598 | 321.5 | 277 | 27,840 | 166.9 | 424.9 | | 95% Student's-t UCL |
| Iron | mg/kg | 9 | 9 | 100% | N/A | N/A | 21,200 | 27,700 | 24,644 | 24,800 | 4,382,778 | 2,094 | 25,942 | | 95% Student's-t UCL |
| Lead | mg/kg | 9 | 9 | 100% | N/A | N/A | 12.9 | 70.7 | 46.58 | 44.3 | 323.4 | 17.98 | 57.73 | | 95% Student's-t UCL |
| Manganese | mg/kg | 9 | 9 | 100% | N/A | N/A | 1,050 | 2,100 | 1,693 | 1,770 | 96,875 | 311.2 | 1,886 | | 95% Student's-t UCL |
| Mercury | mg/kg | 9 | 7 | 78% | 0.096 | 0.097 | 0.059 | 3.3 | 0.569 | 0.072 | 1.455 | 1.206 | 2.721 | | 97.5% KM (Chebyshev) UCL |
| Vanadium | mg/kg | 9 | 9 | 100% | N/A | N/A | 38 | 50.7 | 43.57 | 42.9 | 20.03 | 4.476 | 46.34 | | 95% Student's-t UCL |
| 137 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,000 | 12,900 | 11,500 | 11,450 | 1,044,444 | 1,022 | 12,092 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.9 | 19.6 | 15.58 | 16.2 | 9.697 | 3.114 | 17.39 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.4 | 9.9 | 8.96 | 9.3 | 0.82 | 0.906 | 9.485 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,300 | 23,800 | 19,300 | 18,750 | 4,542,222 | 2,131 | 20,535 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.8 | 93.8 | 47.68 | 37.7 | 890.3 | 29.84 | 64.98 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 474 | 964 | 574.2 | 534 | 20,549 | 143.3 | 663.7 | | or 95% Modified-t UCL |
| Thallium | mg/kg | 10 | 3 | 30% | 2.4 | 2.6 | 0.41 | 1 | 0.653 | 0.55 | 0.095 | 0.308 | 0.98 | | 95% KM (t) UCL |
| 138A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 14,200 | 14,200 | 14,200 | 14,200 | N/A | N/A | 14,200 | | Max Detect |
| Arsenic | mg/kg | 11 | 9 | 82% | 13.1 | 13.1 | 16.6 | 56.1 | 35.46 | 35.9 | 226.8 | 15.06 | 40.36 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.9 | 9.9 | 9.9 | 9.9 | N/A | N/A | 9.9 | | Max Detect |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|--------|------------------|------------------------------|
| | | | | | | | | | | | | | | | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 19,400 | 35,700 | 24,455 | 22,500 | 29,092,727 | 5,394 | 27,402 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 28.1 | 303 | 128.3 | 70.9 | 11,442 | 107 | 186.7 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 367 | 660 | 467.4 | 438 | 10,102 | 100.5 | 522.3 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 69.1 | 69.1 | 69.1 | 69.1 | N/A | N/A | 69.1 | | Max Detect |
| 138B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 8,870 | 14,500 | 12,008 | 12,400 | 4,174,856 | 2,043 | 13,125 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 22 | 22 | 100% | N/A | N/A | 10 | 241 | 61.17 | 51.55 | 2,360 | 48.58 | 81.31 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 7.3 | 11.1 | 8.727 | 8.6 | 1.34 | 1.158 | 9.36 | | 95% Student's-t UCL |
| Cyanide | mg/kg | 10 | 8 | 80% | 2.5 | 2.5 | 0.12 | 2.4 | 0.654 | 0.175 | 0.679 | 0.824 | 2.4 | | Max Detect |
| Iron | mg/kg | 22 | 22 | 100% | N/A | N/A | 16,200 | 43,000 | 25,718 | 27,400 | 47,051,082 | 6,859 | 28,235 | | 95% Student's-t UCL |
| Lead | mg/kg | 22 | 22 | 100% | N/A | N/A | 18.6 | 1,880 | 264.4 | 192 | 146,422 | 382.7 | 408.1 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 22 | 22 | 100% | N/A | N/A | 361 | 942 | 510.1 | 490.5 | 16,093 | 126.9 | 558.9 | | 95% Adjusted Gamma UCL |
| Thallium | mg/kg | 11 | 3 | 27% | 0.023 | 2.5 | 0.37 | 0.49 | 0.437 | 0.45 | 0.00373 | 0.0611 | 0.49 | | Max Detect |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 25.9 | 51.3 | 33.97 | 34.1 | 48 | 6.929 | 38.64 | | 95% Adjusted Gamma UCL |
| 138C | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 22,100 | 22,100 | 22,100 | 22,100 | N/A | N/A | 22,100 | | Max Detect |
| Arsenic | mg/kg | 12 | 12 | 100% | N/A | N/A | 16.6 | 39.3 | 25.07 | 24 | 62.83 | 7.927 | 29.18 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 15.6 | 15.6 | 15.6 | 15.6 | N/A | N/A | 15.6 | | Max Detect |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 22,800 | 36,500 | 28,483 | 27,800 | 17,319,697 | 4,162 | 30,641 | | 95% Student's-t UCL |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 13.8 | 157 | 49.8 | 28.25 | 1,745 | 41.78 | 82.94 | | 95% H-UCL |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 486 | 665 | 553.3 | 545 | 3,180 | 56.39 | 582.6 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 82.6 | 82.6 | 82.6 | 82.6 | N/A | N/A | 82.6 | | Max Detect |
| 139 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,890 | 20,700 | 17,169 | 17,800 | 11,674,054 | 3,417 | 19,150 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.5 | 18.9 | 16.56 | 16.95 | 3.903 | 1.976 | 17.71 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.7 | 19.6 | 14.75 | 15.2 | 10.14 | 3.184 | 16.6 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,600 | 26,900 | 24,020 | 24,850 | 12,821,778 | 3,581 | 26,096 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 506 | 2,920 | 1,274 | 1,095 | 459,823 | 678.1 | 1,667 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 26.6 | 55 | 45.86 | 46.35 | 60.19 | 7.758 | 50.36 | | 95% Student's-t UCL |
| 140 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,800 | 17,500 | 15,190 | 15,000 | 1,441,000 | 1,200 | 15,886 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 18.8 | 29.2 | 25.24 | 25.5 | 8.687 | 2.947 | 26.95 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.9 | 15.9 | 13.24 | 12.7 | 3.329 | 1.825 | 14.3 | | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 105 | 372 | 169 | 143.5 | 6,291 | 79.32 | 215 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 21,300 | 27,500 | 23,940 | 23,650 | 3,569,333 | 1,889 | 25,035 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 53.9 | 147 | 97.8 | 82.05 | 1,277 | 35.74 | 118.5 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 801 | 2,230 | 1,216 | 1,160 | 181,504 | 426 | 1,463 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 1 | 10% | 2.5 | 2.7 | 0.91 | 0.91 | 0.91 | 0.91 | N/A | N/A | 0.91 | | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 39.5 | 50.7 | 44.3 | 43.65 | 13.44 | 3.667 | 46.43 | | 95% Student's-t UCL |
| 141 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,610 | 16,700 | 11,004 | 10,300 | 5,402,316 | 2,324 | 12,351 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 29.8 | 115 | 54.19 | 49 | 547 | 23.39 | 64.09 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.5 | 13.5 | 10.04 | 9.7 | 3.743 | 1.935 | 11.16 | | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 126 | 892 | 295.7 | 180 | 62,313 | 249.6 | 639.8 | | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 16,900 | 34,200 | 25,829 | 28,500 | 43,878,456 | 6,624 | 28,634 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 101 | 746 | 344.9 | 315 | 26,246 | 162 | 413.5 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 340 | 962 | 623.2 | 622 | 19,405 | 139.3 | 682.2 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 26.9 | 40.3 | 31.66 | 30.6 | 19.3 | 4.393 | 34.21 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-------------------------------|------------------|------------------------------|
| 142 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 9 | 9 | 100% | N/A | N/A | 9,080 | 17,300 | 11,911 | 11,000 | 7,421,411 | 2,724 | 13,600 | 95% Student's-t UCL |
| Arsenic | mg/kg | 9 | 9 | 100% | N/A | N/A | 14.9 | 125 | 37.74 | 23.3 | 1,269 | 35.62 | 69.3 | 95% H-UCL |
| Cobalt | mg/kg | 9 | 9 | 100% | N/A | N/A | 6.1 | 9.5 | 8.156 | 8.2 | 0.985 | 0.993 | 9.5 | Max Detect |
| Iron | mg/kg | 9 | 9 | 100% | N/A | N/A | 13,900 | 22,000 | 18,411 | 18,100 | 6,748,611 | 2,598 | 20,021 | 95% Student's-t UCL |
| Lead | mg/kg | 9 | 9 | 100% | N/A | N/A | 20.4 | 415 | 127.2 | 84.4 | 15,172 | 123.2 | 203.5 | 95% Student's-t UCL |
| Manganese | mg/kg | 9 | 9 | 100% | N/A | N/A | 360 | 528 | 440.6 | 441 | 3,040 | 55.13 | 474.7 | 95% Student's-t UCL |
| Mercury | mg/kg | 9 | 8 | 89% | 0.12 | 0.12 | 0.079 | 3.6 | 0.822 | 0.365 | 1.354 | 1.164 | 2.545 | 95% Adjusted Gamma KM-UCL |
| Vanadium | mg/kg | 9 | 9 | 100% | N/A | N/A | 22.8 | 42 | 30.74 | 28.9 | 28.37 | 5.326 | 34.05 | 95% Student's-t UCL |
| 143 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 5,320 | 13,200 | 8,993 | 8,775 | 6,582,490 | 2,566 | 10,480 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.5 | 146 | 53.04 | 45.95 | 1,647 | 40.58 | 76.57 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 4.4 | 11.6 | 6.86 | 6.4 | 4.68 | 2.163 | 8.114 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,320 | 30,800 | 17,542 | 17,100 | 34,081,640 | 5,838 | 20,926 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.5 | 777 | 239.4 | 195 | 51,990 | 228 | 371.6 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 197 | 1,160 | 417.3 | 339 | 75,902 | 275.5 | 620.1 | 95% Adjusted Gamma UCL |
| Mercury | mg/kg | 10 | 8 | 80% | 0.096 | 0.1 | 0.15 | 3.9 | 1.148 | 0.78 | 1.405 | 1.185 | 1.605 | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 19.5 | 42.8 | 27.47 | 27.2 | 39.58 | 6.292 | 31.12 | 95% Student's-t UCL |
| 144 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,080 | 22,800 | 14,258 | 13,550 | 16,243,418 | 4,030 | 16,594 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.6 | 34.8 | 23.44 | 22.4 | 40.28 | 6.347 | 27.12 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.8 | 17 | 11.54 | 11.2 | 6.718 | 2.592 | 13.04 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,800 | 37,400 | 24,210 | 22,050 | 30,061,000 | 5,483 | 27,388 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 29.4 | 119 | 66.55 | 64.8 | 709.7 | 26.64 | 81.99 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 471 | 1,700 | 1,008 | 974 | 108,848 | 329.9 | 1,199 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 30.2 | 62.3 | 40.36 | 36.1 | 94.1 | 9.701 | 45.98 | 95% Student's-t UCL |
| 145 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 11,500 | 19,200 | 13,900 | 13,200 | 5,230,000 | 2,287 | 15,150 | 95% Student's-t UCL |
| Arsenic | mg/kg | 21 | 21 | 100% | N/A | N/A | 12.5 | 152 | 44.6 | 32.5 | 1,308 | 36.17 | 59.94 | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 10.8 | 19.9 | 13.6 | 13.7 | 7.534 | 2.745 | 15.1 | 95% Student's-t UCL |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 39.5 | 1,130 | 191.1 | 97.9 | 98,483 | 313.8 | 603.6 | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 21 | 21 | 100% | N/A | N/A | 21,100 | 52,400 | 33,971 | 36,400 | 79,371,143 | 8,909 | 37,324 | 95% Student's-t UCL |
| Lead | mg/kg | 21 | 21 | 100% | N/A | N/A | 14.5 | 151 | 59 | 51.2 | 1,077 | 32.82 | 71.35 | 95% Student's-t UCL |
| Manganese | mg/kg | 21 | 21 | 100% | N/A | N/A | 640 | 7,480 | 1,377 | 918 | 2,248,823 | 1,500 | 2,803 | 95% Chebyshev (Mean, Sd) UCL |
| Thallium | mg/kg | 11 | 2 | 18% | 0.022 | 2.7 | 0.65 | 0.76 | 0.705 | 0.705 | 0.00605 | 0.0778 | 0.76 | Max Detect |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 34.2 | 93.7 | 47.76 | 41.5 | 278.3 | 16.68 | 56.88 | 95% Student's-t UCL |
| 146 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 8,690 | 22,100 | 15,474 | 16,600 | 21,154,285 | 4,599 | 17,987 | 95% Student's-t UCL |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 1.8 | 64.5 | 25.04 | 27.5 | 294.3 | 17.15 | 34.41 | 95% Student's-t UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 5.2 | 19.8 | 14.37 | 15.2 | 18.36 | 4.284 | 16.71 | 95% Student's-t UCL |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.6 | 606 | 176.2 | 161 | 26,346 | 162.3 | 331.6 | 95% Adjusted Gamma UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 11,800 | 41,400 | 27,691 | 29,200 | 67,078,909 | 8,190 | 32,167 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 4 | 138 | 47.13 | 39.5 | 1,869 | 43.23 | 70.75 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 208 | 2,660 | 1,256 | 1,420 | 480,626 | 693.3 | 1,635 | 95% Student's-t UCL |
| Sulfate | mg/kg | 1 | 1 | 100% | N/A | N/A | 28 | 28 | 28 | 28 | N/A | N/A | 28 | Max Detect |
| Thallium | mg/kg | 11 | 2 | 18% | 2.5 | 3 | 0.58 | 0.79 | 0.685 | 0.685 | 0.0221 | 0.148 | 0.79 | Max Detect |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 23.5 | 69.3 | 49.24 | 53.3 | 176.8 | 13.3 | 56.5 | 95% Student's-t UCL |
| 147 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 9,710 | 11,700 | 10,901 | 11,200 | 409,609 | 640 | 11,251 | 95% Student's-t UCL |
| Antimony | mg/kg | 11 | 10 | 91% | 0.29 | 0.29 | 0.84 | 6.7 | 1.834 | 1.3 | 2.976 | 1.725 | 3.941 | 95% KM (Chebyshev) UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 14.6 | 259 | 69.57 | 39.3 | 4,265 | 65.3 | 109.3 | | 95% H-UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 9.4 | 15.2 | 13.45 | 13.8 | 2.369 | 1.539 | 14.3 | | 95% Student's-t UCL |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 20,400 | 44,100 | 32,365 | 30,000 | 39,618,676 | 6,294 | 35,030 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 10 | 215 | 41.52 | 23.2 | 2,430 | 49.29 | 59.69 | | 95% H-UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 449 | 689 | 586.8 | 578 | 4,624 | 68 | 615.6 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 37.1 | 66 | 48.94 | 47.2 | 53.44 | 7.31 | 52.93 | | 95% Student's-t UCL |
| 149 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,700 | 17,800 | 14,900 | 14,850 | 3,808,889 | 1,952 | 16,031 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.5 | 33.1 | 18.74 | 16.9 | 35.55 | 5.963 | 23.12 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.6 | 14.3 | 10.67 | 10.35 | 2.28 | 1.51 | 11.55 | | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 49.9 | 3,550 | 418 | 75.3 | 1,211,264 | 1,101 | 1,935 | | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,300 | 26,800 | 21,520 | 21,000 | 5,392,889 | 2,322 | 22,866 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 28.7 | 362 | 130.4 | 56.6 | 17,855 | 133.6 | 314.5 | | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 507 | 653 | 565.9 | 563 | 2,678 | 51.75 | 595.9 | | 95% Student's-t UCL |
| Mercury | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.075 | 2.3 | 0.38 | 0.165 | 0.459 | 0.678 | 1.314 | | 95% Chebyshev (Mean, Sd) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 32.3 | 42.9 | 36.47 | 35.9 | 12.65 | 3.557 | 38.53 | | 95% Student's-t UCL |
| 150 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,400 | 17,300 | 14,030 | 13,100 | 4,786,778 | 2,188 | 15,298 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.4 | 22.5 | 14.65 | 14.1 | 16.06 | 4.008 | 16.97 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.8 | 15.4 | 12.98 | 12.65 | 3.3 | 1.816 | 14.03 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,500 | 27,800 | 22,580 | 21,900 | 10,186,222 | 3,192 | 24,430 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 260 | 764 | 466.1 | 449.5 | 24,371 | 156.1 | 556.6 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 40.1 | 58.9 | 49.42 | 48.2 | 45.86 | 6.772 | 53.35 | | 95% Student's-t UCL |
| 151 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,520 | 13,700 | 11,493 | 11,300 | 2,348,001 | 1,532 | 12,381 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.6 | 96.5 | 38.19 | 28.85 | 602 | 24.54 | 52.41 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.1 | 13.4 | 9.13 | 8.4 | 3.562 | 1.887 | 10.22 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,700 | 33,400 | 20,410 | 19,200 | 24,129,889 | 4,912 | 23,810 | | 95% Adjusted Gamma UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 55.2 | 207 | 111.3 | 116.5 | 2,197 | 46.88 | 138.4 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 336 | 759 | 469.5 | 411.5 | 18,353 | 135.5 | 548 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 30.5 | 46.1 | 36.04 | 35.1 | 22.5 | 4.743 | 38.79 | | 95% Student's-t UCL |
| 152 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,500 | 21,400 | 15,630 | 15,200 | 10,529,000 | 3,245 | 17,511 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.6 | 18.1 | 12.74 | 11.85 | 7.925 | 2.815 | 14.37 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.8 | 15 | 11.08 | 10.5 | 2.215 | 1.488 | 12 | | or 95% Modified-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,000 | 22,600 | 18,860 | 18,450 | 4,631,556 | 2,152 | 20,108 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 494 | 748 | 568.5 | 556.5 | 5,003 | 70.73 | 609.5 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 32 | 45.5 | 36.78 | 35.9 | 16.21 | 4.026 | 39.11 | | 95% Student's-t UCL |
| 153 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,730 | 12,700 | 11,102 | 11,350 | 1,863,884 | 1,365 | 11,893 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.1 | 57.6 | 24.85 | 19 | 270 | 16.43 | 34.38 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.6 | 13.7 | 10.41 | 10.35 | 2.172 | 1.474 | 11.26 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,100 | 23,600 | 18,490 | 18,250 | 9,134,333 | 3,022 | 20,242 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.8 | 1,020 | 232.7 | 156.5 | 86,326 | 293.8 | 593.9 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 392 | 733 | 561.1 | 563.5 | 9,772 | 98.85 | 618.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 29.5 | 50.2 | 36.59 | 35.85 | 42.49 | 6.518 | 40.37 | | 95% Student's-t UCL |
| Zinc | mg/kg | 10 | 10 | 100% | N/A | N/A | 39.3 | 6,780 | 894.7 | 294.5 | 4,293,752 | 2,072 | 3,751 | | 95% Chebyshev (Mean, Sd) UCL |
| 154 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,100 | 20,400 | 14,480 | 14,450 | 8,084,000 | 2,843 | 16,128 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.8 | 81.7 | 38.47 | 40.55 | 393.8 | 19.84 | 49.97 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | | EPC ^a | EPC Basis |
|------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | Detects | | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.4 | 14.3 | 11.65 | 11.8 | 4.172 | 2.042 | 12.83 | | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,300 | 30,900 | 23,560 | 23,950 | 14,556,000 | 3,815 | 25,772 | | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.6 | 126 | 41.18 | 29.35 | 1,350 | 36.75 | 75.58 | | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 319 | 790 | 632.9 | 662.5 | 16,275 | 127.6 | 706.9 | | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 33.3 | 51.8 | 40.99 | 41.95 | 37.39 | 6.115 | 44.53 | | 95% Student's-t UCL | |
| 155 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,600 | 20,700 | 17,920 | 18,400 | 4,597,333 | 2,144 | 19,163 | | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 21.4 | 84.9 | 32.1 | 26.1 | 366.3 | 19.14 | 44.09 | | or 95% Modified-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.6 | 16.5 | 14.29 | 14.55 | 2.348 | 1.532 | 15.18 | | 95% Student's-t UCL | |
| Cyanide | mg/kg | 10 | 6 | 60% | 0.26 | 2.8 | 0.17 | 6.1 | 1.608 | 0.585 | 5.327 | 2.308 | 2.324 | | 95% KM (t) UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 21,900 | 26,100 | 24,560 | 24,650 | 1,929,333 | 1,389 | 25,365 | | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 30.5 | 50.4 | 40.6 | 39.75 | 52.89 | 7.273 | 44.82 | | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 790 | 1,560 | 1,016 | 998 | 52,641 | 229.4 | 1,149 | | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 42 | 53.1 | 47.45 | 47.5 | 9.541 | 3.089 | 49.24 | | 95% Student's-t UCL | |
| 156 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,000 | 19,900 | 16,680 | 16,900 | 7,197,333 | 2,683 | 18,235 | | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.1 | 177 | 39.17 | 20.15 | 2,496 | 49.96 | 108 | | 95% Chebyshev (Mean, Sd) UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.5 | 23.8 | 15.42 | 15.1 | 18.04 | 4.247 | 17.88 | | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,200 | 46,600 | 28,920 | 30,000 | 59,721,778 | 7,728 | 34,351 | | 95% H-UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 606 | 1,650 | 886.2 | 809.5 | 100,158 | 316.5 | 1,118 | | 95% Adjusted Gamma UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 33.5 | 104 | 55.58 | 54.25 | 362.7 | 19.05 | 69.65 | | 95% Adjusted Gamma UCL | |
| 157 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 5,150 | 13,400 | 9,479 | 9,440 | 8,156,899 | 2,856 | 11,135 | | 95% Student's-t UCL | |
| Antimony | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.37 | 5 | 1.593 | 0.49 | 3.293 | 1.815 | 4.094 | | 95% Chebyshev (Mean, Sd) UCL | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 4.7 | 538 | 83.19 | 9.4 | 25,773 | 160.5 | 538 | | Max Detect | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 4.9 | 13.3 | 8.88 | 8.55 | 9.795 | 3.13 | 10.69 | | 95% Student's-t UCL | |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.7 | 440 | 99.54 | 27.3 | 19,466 | 139.5 | 291.9 | | 95% Chebyshev (Mean, Sd) UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,940 | 26,600 | 17,584 | 16,550 | 36,111,449 | 6,009 | 21,067 | | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 5.2 | 208 | 47.36 | 11.8 | 4,742 | 68.87 | 137.9 | | 95% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 202 | 815 | 414.9 | 397 | 33,199 | 182.2 | 520.5 | | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 18.1 | 50.3 | 32.71 | 32.4 | 122.1 | 11.05 | 39.12 | | 95% Student's-t UCL | |
| 158 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,300 | 24,100 | 20,200 | 19,800 | 3,206,667 | 1,791 | 21,282 | | or 95% Modified-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.5 | 39.3 | 18.06 | 16 | 57.63 | 7.591 | 22.84 | | or 95% Modified-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.8 | 20.4 | 15.5 | 14.9 | 4.211 | 2.052 | 16.69 | | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 29,700 | 35,900 | 31,850 | 30,900 | 6,058,333 | 2,461 | 33,277 | | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 724 | 916 | 797.5 | 780.5 | 4,982 | 70.58 | 838.4 | | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 51.6 | 66.4 | 58.36 | 57.7 | 20.5 | 4.528 | 60.98 | | 95% Student's-t UCL | |
| 159 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,700 | 20,000 | 15,880 | 15,500 | 7,521,778 | 2,743 | 17,470 | | 95% Student's-t UCL | |
| Arsenic | mg/kg | 12 | 12 | 100% | N/A | N/A | 11.3 | 120 | 29.23 | 17.2 | 920.3 | 30.34 | 67.4 | | 95% Chebyshev (Mean, Sd) UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.6 | 18.8 | 14.13 | 13.95 | 4.656 | 2.158 | 15.38 | | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 21,500 | 34,300 | 27,440 | 27,650 | 14,773,778 | 3,844 | 29,668 | | 95% Student's-t UCL | |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 10.2 | 91 | 22.93 | 13.75 | 508.1 | 22.54 | 51.3 | | 95% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 529 | 1,130 | 761.5 | 754 | 25,949 | 161.1 | 854.9 | | 95% Student's-t UCL | |
| Thallium | mg/kg | 10 | 4 | 40% | 2.4 | 2.6 | 1.1 | 1.5 | 1.3 | 0.0333 | 0.183 | 0.183 | 1.467 | | 95% KM (t) UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 40.8 | 64.4 | 49.88 | 48.45 | 54.68 | 7.394 | 54.17 | | 95% Student's-t UCL | |
| 160 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 7,440 | 13,700 | 12,074 | 12,600 | 3,407,649 | 1,846 | 13,144 | | 95% Student's-t UCL | |
| Arsenic | mg/kg | 29 | 29 | 100% | N/A | N/A | 21.6 | 85 | 49.13 | 51.6 | 307.4 | 17.53 | 54.67 | | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.9 | 17.4 | 14.22 | 15.25 | 7.124 | 2.669 | 15.77 | 95% Student's-t UCL | |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 21,000 | 166,000 | 71,270 | 79,200 | 1,552,000,000 | 39,394 | 84,201 | 95% Student's-t UCL | |
| Lead | mg/kg | 29 | 29 | 100% | N/A | N/A | 4.5 | 147 | 39.4 | 33.5 | 678.8 | 26.05 | 48.29 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 2,160 | 5,990 | 3,636 | 3,440 | 1,079,809 | 1,039 | 4,009 | 95% Adjusted Gamma UCL | |
| Thallium | mg/kg | 10 | 10 | 100% | N/A | N/A | 1.2 | 3 | 2.1 | 1.9 | 0.324 | 0.57 | 2.43 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 43.3 | 77.5 | 58.91 | 58.3 | 123 | 11.09 | 65.34 | 95% Student's-t UCL | |
| 161 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,640 | 18,500 | 13,914 | 13,100 | 8,356,182 | 2,891 | 15,590 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 9 | 24.2 | 14.56 | 13.85 | 24.12 | 4.911 | 17.41 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.8 | 17.2 | 10.73 | 10.1 | 8.856 | 2.976 | 12.46 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,000 | 23,700 | 19,450 | 19,100 | 8,340,556 | 2,888 | 21,124 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.3 | 50.2 | 25.24 | 23.55 | 161.6 | 12.71 | 32.61 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 617 | 1,420 | 944.7 | 874 | 91,394 | 302.3 | 1,120 | 95% Student's-t UCL | |
| Thallium | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.49 | 2.2 | 1.364 | 1.5 | 0.299 | 0.547 | 1.681 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 27.1 | 42.1 | 34.88 | 34.7 | 22.45 | 4.738 | 37.63 | 95% Student's-t UCL | |
| 162 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,000 | 16,900 | 13,340 | 13,000 | 3,504,889 | 1,872 | 14,425 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.4 | 176 | 30.48 | 18.7 | 2,654 | 51.52 | 101.5 | 95% Chebyshev (Mean, Sd) UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.1 | 21.6 | 9.64 | 8.3 | 18.66 | 4.32 | 12.35 | 95% Modified-t UCL | |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 23.3 | 640 | 111.2 | 62.2 | 34,881 | 186.8 | 368.7 | 95% Chebyshev (Mean, Sd) UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,100 | 28,200 | 19,090 | 18,450 | 11,992,111 | 3,463 | 21,231 | 95% Modified-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.1 | 1,350 | 171.2 | 18 | 173,111 | 416.1 | 1,350 | Max Detect | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 514 | 1,220 | 690.9 | 573.5 | 61,205 | 247.4 | 840.3 | 95% Modified-t UCL | |
| Thallium | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.89 | 2.8 | 1.749 | 1.85 | 0.287 | 0.536 | 2.059 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 29 | 65.3 | 40.66 | 36.9 | 167.9 | 12.96 | 50.35 | 95% Adjusted Gamma UCL | |
| 163 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,030 | 15,100 | 12,203 | 12,000 | 5,387,646 | 2,321 | 13,549 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.6 | 35.5 | 20.82 | 18.25 | 53.72 | 7.33 | 25.07 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.4 | 13.3 | 11.06 | 11.2 | 2.285 | 1.512 | 11.94 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,200 | 26,000 | 21,000 | 20,100 | 9,268,889 | 3,044 | 22,765 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 19.3 | 373 | 75.84 | 44.85 | 11,254 | 106.1 | 159.9 | 95% H-UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 888 | 1,630 | 1,169 | 1,145 | 46,535 | 215.7 | 1,294 | 95% Student's-t UCL | |
| Thallium | mg/kg | 10 | 3 | 30% | 0.74 | 2.6 | 0.86 | 2.8 | 1.753 | 1.6 | 0.959 | 0.979 | 1.636 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31.9 | 50 | 41.15 | 40.1 | 39.23 | 6.264 | 44.78 | 95% Student's-t UCL | |
| 164 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,600 | 14,200 | 12,550 | 12,500 | 1,500,556 | 1,225 | 13,260 | 95% Student's-t UCL | |
| Antimony | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.83 | 29.1 | 3.893 | 1.1 | 78.48 | 8.859 | 16.1 | 95% Chebyshev (Mean, Sd) UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.9 | 191 | 61.91 | 50.55 | 2,616 | 51.14 | 91.56 | 95% Student's-t UCL | |
| Cadmium | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.81 | 13.1 | 3.171 | 2.1 | 12.87 | 3.587 | 5.98 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.6 | 10.8 | 9 | 9.05 | 1.218 | 1.104 | 9.64 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 19,000 | 33,500 | 22,530 | 21,450 | 18,453,444 | 4,296 | 25,020 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 52.7 | 1,120 | 273.9 | 154.5 | 99,264 | 315.1 | 546.7 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 420 | 694 | 548.2 | 540 | 6,968 | 83.47 | 596.6 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 28.9 | 54.5 | 35.82 | 34.4 | 48.02 | 6.929 | 40.13 | or 95% Modified-t UCL | |
| Zinc | mg/kg | 10 | 10 | 100% | N/A | N/A | 120 | 3,700 | 812.7 | 513.5 | 1,079,614 | 1,039 | 1,690 | 95% Adjusted Gamma UCL | |
| 165 and 60J | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,830 | 13,800 | 11,463 | 11,450 | 2,529,468 | 1,590 | 12,385 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 30 | 13 | 43% | 40.4 | 40.4 | 14.6 | 76.1 | 32.88 | 23.9 | 328.7 | 18.13 | 32.54 | 95% GROS Adjusted Gamma UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.4 | 12.7 | 10.92 | 11.15 | 1.76 | 1.326 | 11.69 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,800 | 25,400 | 21,340 | 20,350 | 6,884,889 | 2,624 | 22,861 | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|--------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 30 | 29 | 97% | 31.2 | 31.2 | 30.5 | 213 | 82.91 | 72.7 | 1,609 | 40.12 | 93.76 | 95% KM (t) UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 706 | 1,350 | 1,038 | 1,035 | 27,889 | 167 | 1,135 | 95% Student's-t UCL | |
| Mercury | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.12 | 42.1 | 7.54 | 0.465 | 236.6 | 15.38 | 42.1 | Max Detect | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 28.5 | 42.6 | 37.67 | 38 | 18.01 | 4.244 | 40.13 | 95% Student's-t UCL | |
| 166 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,700 | 23,200 | 15,890 | 14,900 | 10,603,222 | 3,256 | 17,778 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.2 | 43.5 | 24.22 | 21.8 | 81.77 | 9.043 | 29.46 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.1 | 14.6 | 11.79 | 11.3 | 2.488 | 1.577 | 12.7 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 23,500 | 31,900 | 26,420 | 25,650 | 8,301,778 | 2,881 | 28,090 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 469 | 767 | 601.3 | 593 | 12,581 | 112.2 | 666.3 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 37.2 | 49.2 | 43.09 | 43.6 | 19.16 | 4.377 | 45.63 | 95% Student's-t UCL | |
| 167A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 7 | 7 | 100% | N/A | N/A | 26,100 | 36,600 | 29,729 | 29,100 | 12,225,714 | 3,497 | 32,297 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 18 | 18 | 100% | N/A | N/A | 15.6 | 388 | 105 | 72.7 | 9,111 | 95.45 | 159.7 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 7 | 7 | 100% | N/A | N/A | 20.6 | 36.7 | 27.91 | 28 | 24.47 | 4.947 | 31.55 | 95% Student's-t UCL | |
| Copper | mg/kg | 7 | 7 | 100% | N/A | N/A | 42.3 | 418 | 218.6 | 207 | 21,522 | 146.7 | 326.4 | 95% Student's-t UCL | |
| Iron | mg/kg | 18 | 18 | 100% | N/A | N/A | 32,100 | 98,600 | 50,161 | 48,250 | 242,700,000 | 15,579 | 56,549 | 95% Student's-t UCL | |
| Lead | mg/kg | 18 | 17 | 94% | 16.5 | 16.5 | 10 | 242 | 66.51 | 20.6 | 5,171 | 71.91 | 168.1 | 97.5% KM (Chebyshev) UCL | |
| Manganese | mg/kg | 18 | 18 | 100% | N/A | N/A | 655 | 3,440 | 1,276 | 1,125 | 412,007 | 641.9 | 1,554 | 95% Modified-t UCL | |
| Nickel | mg/kg | 7 | 7 | 100% | N/A | N/A | 40.2 | 167 | 88.54 | 61 | 2,559 | 50.59 | 125.7 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 7 | 7 | 100% | N/A | N/A | 58 | 331 | 126.1 | 102 | 9,003 | 94.89 | 195.8 | 95% Student's-t UCL | |
| 167B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 30,300 | 33,500 | 31,900 | 31,900 | 5,120,000 | 2,263 | 33,500 | Max Detect | |
| Arsenic | mg/kg | 18 | 18 | 100% | N/A | N/A | 24.6 | 100 | 58.34 | 57.65 | 375.1 | 19.37 | 66.29 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 29.4 | 33.8 | 31.6 | 31.6 | 9.68 | 3.111 | 33.8 | Max Detect | |
| Iron | mg/kg | 18 | 18 | 100% | N/A | N/A | 58,700 | 117,000 | 80,339 | 79,850 | 273,300,000 | 16,530 | 87,117 | 95% Student's-t UCL | |
| Lead | mg/kg | 18 | 18 | 100% | N/A | N/A | 8.17 | 42.3 | 25.32 | 27.75 | 106.9 | 10.34 | 29.56 | 95% Student's-t UCL | |
| Manganese | mg/kg | 18 | 18 | 100% | N/A | N/A | 759 | 6,180 | 2,213 | 1,490 | 2,168,672 | 1,473 | 2,950 | 95% Adjusted Gamma UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 152 | 263 | 207.5 | 207.5 | 6,161 | 78.49 | 263 | Max Detect | |
| 167C | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 7 | 7 | 100% | N/A | N/A | 20,500 | 35,300 | 29,543 | 29,300 | 30,586,190 | 5,530 | 33,605 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 28 | 28 | 100% | N/A | N/A | 28.8 | 202 | 89.44 | 74.75 | 1,846 | 42.97 | 103.3 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 7 | 7 | 100% | N/A | N/A | 28.5 | 42.9 | 33.8 | 30.9 | 33.78 | 5.812 | 38.07 | 95% Student's-t UCL | |
| Iron | mg/kg | 28 | 28 | 100% | N/A | N/A | 28,700 | 113,000 | 71,793 | 71,300 | 254,900,000 | 15,965 | 76,932 | 95% Student's-t UCL | |
| Lead | mg/kg | 28 | 28 | 100% | N/A | N/A | 9.38 | 119 | 41.79 | 32.3 | 787.8 | 28.07 | 52.19 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 28 | 28 | 100% | N/A | N/A | 619 | 3,300 | 1,591 | 1,415 | 353,867 | 594.9 | 1,783 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 7 | 7 | 100% | N/A | N/A | 113 | 245 | 176.3 | 162 | 2,308 | 48.04 | 211.6 | 95% Student's-t UCL | |
| 168 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 7,920 | 14,000 | 10,284 | 10,315 | 4,134,671 | 2,033 | 11,463 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.3 | 32.1 | 18.35 | 17.75 | 47.86 | 6.918 | 22.36 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.3 | 16.9 | 8.57 | 7.6 | 9.485 | 3.08 | 10.49 | or 95% Modified-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,300 | 21,300 | 17,020 | 16,200 | 6,088,444 | 2,467 | 18,450 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.3 | 262 | 85.73 | 80.55 | 5,247 | 72.43 | 159.1 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 428 | 615 | 515.9 | 513.5 | 3,826 | 61.86 | 551.8 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 28.2 | 48.6 | 32.41 | 30.5 | 37.53 | 6.126 | 35.96 | 95% Student's-t UCL | |
| 169 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,700 | 16,700 | 14,580 | 14,150 | 1,968,444 | 1,403 | 15,393 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.7 | 25.7 | 16.02 | 15.8 | 17.03 | 4.127 | 18.41 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.3 | 11 | 10.17 | 10.1 | 0.405 | 0.636 | 10.54 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 19,900 | 22,100 | 20,880 | 20,600 | 648,444 | 805.3 | 21,347 | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.1 | 135 | 38.75 | 21.6 | 1,449 | 38.06 | 74.27 | | 95% H-UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 605 | 1,060 | 742.9 | 712 | 18,967 | 137.7 | 822.7 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 1 | 10% | 1.1 | 2.1 | 2.7 | 2.7 | 2.7 | 2.7 | N/A | N/A | 2.7 | | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 34.6 | 41.9 | 38.45 | 37.65 | 5.456 | 2.336 | 39.8 | | 95% Student's-t UCL |
| 170A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 15,500 | 19,400 | 17,450 | 17,450 | 7,605,000 | 2,758 | 19,400 | | Max Detect |
| Arsenic | mg/kg | 9 | 9 | 100% | N/A | N/A | 13.1 | 44.9 | 23.29 | 20 | 105.5 | 10.27 | 29.66 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11.5 | 13 | 12.25 | 12.25 | 1.125 | 1.061 | 13 | | Max Detect |
| Iron | mg/kg | 9 | 9 | 100% | N/A | N/A | 26,600 | 42,000 | 36,267 | 38,800 | 30,132,500 | 5,489 | 39,669 | | 95% Student's-t UCL |
| Manganese | mg/kg | 9 | 9 | 100% | N/A | N/A | 639 | 1,020 | 798.3 | 777 | 15,412 | 124.1 | 875.3 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 52 | 60.1 | 56.05 | 56.05 | 32.81 | 5.728 | 60.1 | | Max Detect |
| 170B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,800 | 28,500 | 17,480 | 15,900 | 21,101,778 | 4,594 | 20,143 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 20 | 20 | 100% | N/A | N/A | 12.4 | 34.1 | 24.73 | 24.8 | 33.41 | 5.78 | 26.96 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.4 | 17.4 | 14.02 | 13.25 | 6.524 | 2.554 | 15.5 | | 95% Student's-t UCL |
| Iron | mg/kg | 20 | 20 | 100% | N/A | N/A | 20,700 | 42,200 | 33,040 | 33,150 | 43,162,526 | 6,570 | 35,580 | | 95% Student's-t UCL |
| Lead | mg/kg | 20 | 20 | 100% | N/A | N/A | 6.1 | 41.5 | 21.58 | 21.8 | 73.82 | 8.592 | 24.9 | | 95% Student's-t UCL |
| Manganese | mg/kg | 20 | 20 | 100% | N/A | N/A | 612 | 1,520 | 877.3 | 846 | 43,474 | 208.5 | 957.9 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 5 | 50% | 0.023 | 2.6 | 2.8 | 4.3 | 3.2 | 2.9 | 0.39 | 0.624 | 2.672 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 38 | 84.1 | 55.09 | 50.85 | 178 | 13.34 | 62.82 | | 95% Student's-t UCL |
| 172 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,960 | 14,200 | 11,793 | 11,550 | 2,908,001 | 1,705 | 12,782 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.3 | 13.9 | 10.26 | 9.7 | 6.794 | 2.606 | 11.77 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9 | 14.4 | 11.72 | 11.5 | 2.871 | 1.694 | 12.7 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,300 | 25,300 | 20,850 | 21,250 | 10,649,444 | 3,263 | 22,742 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 436 | 1,280 | 718.5 | 710.5 | 51,623 | 227.2 | 850.2 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 27 | 46.5 | 36.02 | 36.25 | 30.93 | 5.561 | 39.24 | | 95% Student's-t UCL |
| 173 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 12,400 | 25,400 | 19,364 | 18,600 | 14,500,545 | 3,808 | 21,445 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 21 | 20 | 95% | 11.9 | 11.9 | 11.7 | 27.1 | 21.78 | 22.45 | 22.53 | 4.746 | 23.23 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 8.2 | 20.2 | 15.07 | 14.8 | 13 | 3.606 | 17.04 | | 95% Student's-t UCL |
| Iron | mg/kg | 21 | 21 | 100% | N/A | N/A | 20,000 | 42,800 | 32,376 | 32,700 | 35,934,905 | 5,995 | 34,632 | | 95% Student's-t UCL |
| Lead | mg/kg | 21 | 21 | 100% | N/A | N/A | 10.6 | 88.5 | 33.73 | 24.1 | 533.9 | 23.11 | 55.71 | | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 21 | 21 | 100% | N/A | N/A | 471 | 2,100 | 957.3 | 942 | 215,708 | 464.4 | 1,132 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 44.1 | 75.7 | 57.13 | 57.2 | 117.3 | 10.83 | 63.05 | | 95% Student's-t UCL |
| 174 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,300 | 22,500 | 17,100 | 16,900 | 10,506,667 | 3,241 | 18,979 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.9 | 55.1 | 30.05 | 27.7 | 119.9 | 10.95 | 36.4 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.1 | 18.7 | 15 | 15.05 | 5.593 | 2.365 | 16.37 | | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 101 | 330 | 174 | 146.5 | 5,100 | 71.41 | 215.4 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 20,000 | 35,200 | 28,300 | 27,800 | 17,717,778 | 4,209 | 30,740 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 28.2 | 84.9 | 51.3 | 46.85 | 462.4 | 21.5 | 63.76 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 821 | 1,950 | 1,478 | 1,450 | 119,894 | 346.3 | 1,679 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 39.7 | 71.5 | 55.63 | 53.95 | 82.83 | 9.101 | 60.91 | | 95% Student's-t UCL |
| 175 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,250 | 18,600 | 16,325 | 17,050 | 7,418,472 | 2,724 | 17,904 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 12 | 12 | 100% | N/A | N/A | 9.6 | 52.6 | 22.38 | 15.55 | 191.3 | 13.83 | 32.37 | | 95% H-UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.7 | 15.3 | 13.05 | 13.45 | 3.374 | 1.837 | 14.11 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,100 | 30,500 | 27,170 | 28,200 | 17,246,778 | 4,153 | 29,577 | | 95% Student's-t UCL |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 7.5 | 52 | 18.78 | 12.05 | 200.7 | 14.17 | 30.27 | | 95% H-UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 403 | 827 | 702.8 | 747 | 14,688 | 121.2 | 773.1 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 29.8 | 52.9 | 46.24 | 48.6 | 42.46 | 6.517 | 50.02 | 95% Student's-t UCL | |
| 176 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,180 | 15,100 | 10,236 | 10,100 | 4,059,182 | 2,015 | 11,404 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 10 | 106 | 35.87 | 24.95 | 834.1 | 28.88 | 60.31 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.6 | 14.2 | 9.48 | 9.2 | 3.32 | 1.822 | 10.76 | 95% Adjusted Gamma UCL | |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 52.1 | 464 | 160.9 | 129.5 | 13,191 | 114.9 | 227.4 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,000 | 26,800 | 17,600 | 16,850 | 14,797,778 | 3,847 | 19,830 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 98.3 | 760 | 365.9 | 326 | 55,738 | 236.1 | 502.8 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 402 | 798 | 505.8 | 491 | 11,646 | 107.9 | 573 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 24 | 45.4 | 30.51 | 29.1 | 33.89 | 5.821 | 34.6 | 95% Adjusted Gamma UCL | |
| Zinc | mg/kg | 10 | 10 | 100% | N/A | N/A | 231 | 2,550 | 765.1 | 552 | 465,751 | 682.5 | 1,339 | 95% Adjusted Gamma UCL | |
| 177 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 7,610 | 10,300 | 8,784 | 8,305 | 1,219,560 | 1,104 | 9,424 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.1 | 22.3 | 15.28 | 14.8 | 17.85 | 4.224 | 17.73 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.9 | 9.3 | 8.24 | 8.25 | 0.672 | 0.819 | 8.715 | 95% Student's-t UCL | |
| Cyanide | mg/kg | 10 | 4 | 40% | 2.5 | 2.7 | 0.27 | 2.5 | 1.4 | 1.415 | 1.614 | 1.27 | 1.564 | 95% KM (t) UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,400 | 19,100 | 15,640 | 15,450 | 3,736,000 | 1,933 | 16,760 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 32 | 228 | 77.25 | 52.45 | 3,702 | 60.84 | 127.9 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 418 | 550 | 482.1 | 480.5 | 1,937 | 44.01 | 507.6 | 95% Student's-t UCL | |
| Thallium | mg/kg | 10 | 2 | 20% | 2.5 | 2.7 | 2.5 | 2.5 | 2.5 | 2.5 | 0 | 0 | 2.5 | Max Detect | |
| 178 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,750 | 19,600 | 13,394 | 12,350 | 14,752,693 | 3,841 | 15,621 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 17.4 | 79.1 | 35.32 | 29.45 | 300.2 | 17.33 | 45.36 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.8 | 14.1 | 10.51 | 10.35 | 4.517 | 2.125 | 11.74 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,800 | 37,000 | 24,470 | 23,050 | 29,849,000 | 5,463 | 27,637 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 85 | 234 | 160.5 | 155 | 3,701 | 60.84 | 195.7 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 438 | 754 | 582.3 | 603.5 | 10,887 | 104.3 | 642.8 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 29.2 | 49.1 | 35.85 | 34.05 | 44.23 | 6.65 | 39.71 | 95% Student's-t UCL | |
| 179 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,700 | 20,300 | 17,900 | 18,200 | 2,935,556 | 1,713 | 18,893 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.5 | 39.1 | 22.99 | 20.55 | 84.25 | 9.179 | 28.31 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.6 | 13 | 11.57 | 11.45 | 0.862 | 0.929 | 12.11 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 21,900 | 29,500 | 25,490 | 25,550 | 6,625,444 | 2,574 | 26,982 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 19.4 | 121 | 68.71 | 58.5 | 1,274 | 35.7 | 89.4 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 537 | 986 | 668.9 | 622.5 | 18,870 | 137.4 | 752.5 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 35.9 | 43.9 | 40.06 | 40.15 | 7.634 | 2.763 | 41.66 | 95% Student's-t UCL | |
| 180 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 6,160 | 13,200 | 9,757 | 10,285 | 5,132,823 | 2,266 | 11,070 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.8 | 241 | 49.18 | 20.3 | 5,036 | 70.97 | 147 | 95% Chebyshev (Mean, Sd) UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.7 | 10.6 | 9.01 | 9.45 | 1.923 | 1.387 | 9.814 | 95% Student's-t UCL | |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 30.9 | 357 | 104.4 | 87.05 | 8,867 | 94.17 | 181.8 | 95% Adjusted Gamma UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,200 | 26,900 | 17,260 | 16,800 | 21,831,556 | 4,672 | 19,969 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.5 | 368 | 113 | 76.4 | 13,302 | 115.3 | 232.2 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 280 | 597 | 463.3 | 485 | 8,268 | 90.93 | 516 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 21.5 | 40 | 30.32 | 30.4 | 39.09 | 6.252 | 33.94 | 95% Student's-t UCL | |
| 181 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 7,010 | 18,700 | 9,908 | 8,960 | 9,520,096 | 3,085 | 11,720 | 95% Modified-t UCL | |
| Antimony | mg/kg | 11 | 10 | 91% | 0.17 | 0.17 | 0.43 | 3.4 | 1.133 | 0.755 | 0.782 | 0.884 | 1.533 | 95% KM (t) UCL | |
| Arsenic | mg/kg | 23 | 23 | 100% | N/A | N/A | 14.2 | 300 | 60.39 | 43.5 | 3,346 | 57.84 | 113 | 95% Chebyshev (Mean, Sd) UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | Detects | |
| Cadmium | mg/kg | 11 | 10 | 91% | 0.016 | 0.016 | 0.47 | 7.4 | 2.617 | 1.7 | 4.958 | 2.227 | 3.618 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 9.1 | 11.9 | 10.25 | 10 | 0.867 | 0.931 | 10.75 | 95% Student's-t UCL | |
| Cyanide | mg/kg | 10 | 9 | 90% | 2.7 | 2.7 | 0.48 | 3.3 | 1.514 | 1.3 | 0.75 | 0.866 | 1.995 | 95% KM (t) UCL | |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 16,200 | 54,500 | 27,370 | 26,000 | 91,286,759 | 9,554 | 30,791 | 95% Student's-t UCL | |
| Lead | mg/kg | 23 | 23 | 100% | N/A | N/A | 11.3 | 1,140 | 238.1 | 113 | 86,371 | 293.9 | 366.8 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 505 | 886 | 631.3 | 636 | 9,586 | 97.91 | 666.3 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 24.6 | 50 | 31.25 | 29.1 | 43.89 | 6.625 | 35.13 | 95% Modified-t UCL | |
| Zinc | mg/kg | 23 | 23 | 100% | N/A | N/A | 95.2 | 3,380 | 680.3 | 482 | 502,607 | 708.9 | 954.3 | 95% Adjusted Gamma UCL | |
| 182 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 5,690 | 14,000 | 10,386 | 10,395 | 7,998,827 | 2,828 | 12,025 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 23.2 | 84 | 36.58 | 31.3 | 323.6 | 17.99 | 47.01 | 95% Student's-t UCL | |
| Cadmium | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.7 | 12.2 | 4.023 | 2 | 14.03 | 3.745 | 8.128 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.6 | 18.1 | 11.48 | 11.45 | 9.091 | 3.015 | 13.23 | 95% Student's-t UCL | |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 61.4 | 850 | 171.5 | 86.55 | 58,124 | 241.1 | 503.8 | 95% Chebyshev (Mean, Sd) UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,200 | 50,600 | 27,860 | 27,000 | 105,400,000 | 10,268 | 33,812 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 68.7 | 1,250 | 316.2 | 209 | 132,770 | 364.4 | 660.1 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 414 | 731 | 552.8 | 547 | 7,775 | 88.18 | 603.9 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 22.4 | 48.2 | 36.68 | 36.35 | 50.04 | 7.074 | 40.78 | 95% Student's-t UCL | |
| 183 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 10,900 | 25,200 | 15,945 | 15,100 | 25,420,727 | 5,042 | 18,701 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 26 | 26 | 100% | N/A | N/A | 23.2 | 65 | 41.72 | 36.35 | 170.2 | 13.04 | 46.78 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.2 | 27.1 | 20.12 | 19.3 | 16.3 | 4.037 | 22.32 | 95% Student's-t UCL | |
| Cyanide | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.2 | 4.6 | 1.215 | 0.46 | 2.312 | 1.521 | 3.311 | 95% Chebyshev (Mean, Sd) UCL | |
| Iron | mg/kg | 26 | 26 | 100% | N/A | N/A | 24,200 | 70,100 | 44,781 | 41,550 | 176,300,000 | 13,279 | 49,229 | 95% Student's-t UCL | |
| Lead | mg/kg | 26 | 26 | 100% | N/A | N/A | 20.1 | 52.4 | 34.2 | 32.65 | 61.46 | 7.84 | 36.83 | 95% Student's-t UCL | |
| Manganese | mg/kg | 26 | 26 | 100% | N/A | N/A | 1,380 | 4,120 | 2,341 | 2,235 | 403,391 | 635.1 | 2,554 | 95% Student's-t UCL | |
| Thallium | mg/kg | 11 | 9 | 82% | 0.022 | 0.022 | 2.5 | 2.6 | 2.533 | 2.5 | 0.0025 | 0.05 | 2.6 | Max Detect | |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 49.1 | 147 | 81.86 | 65.6 | 1,013 | 31.82 | 102 | or 95% H-UCL | |
| 184 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,040 | 12,700 | 10,806 | 11,050 | 2,130,404 | 1,460 | 11,652 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 5.7 | 14.7 | 9.84 | 9.4 | 6.976 | 2.641 | 11.37 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.4 | 12.2 | 9.99 | 10.05 | 1.228 | 1.108 | 10.63 | 95% Student's-t UCL | |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 20.3 | 433 | 77.91 | 35.4 | 15,853 | 125.9 | 251.5 | 95% Chebyshev (Mean, Sd) UCL | |
| Cyanide | mg/kg | 10 | 7 | 70% | 2.5 | 2.6 | 0.69 | 2.7 | 2.327 | 2.6 | 0.524 | 0.724 | 2.7 | Max Detect | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,400 | 18,800 | 17,290 | 17,150 | 1,009,889 | 1,005 | 17,873 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.3 | 48 | 21.96 | 21.65 | 184.3 | 13.58 | 29.83 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 346 | 635 | 533.1 | 533.5 | 7,192 | 84.81 | 582.3 | 95% Student's-t UCL | |
| Thallium | mg/kg | 10 | 6 | 60% | 2.5 | 2.6 | 2.5 | 2.6 | 2.55 | 2.55 | 0.003 | 0.0548 | 2.559 | 95% KM (t) UCL | |
| 185 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,800 | 18,900 | 12,720 | 11,800 | 5,577,333 | 2,362 | 14,089 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 15 | 15 | 100% | N/A | N/A | 8.1 | 121 | 27.44 | 14.8 | 990.4 | 31.47 | 62.86 | 95% Chebyshev (Mean, Sd) UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.9 | 38.3 | 13.99 | 11.3 | 73.56 | 8.577 | 19.41 | 95% Modified-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,900 | 34,600 | 20,990 | 18,500 | 30,645,444 | 5,536 | 24,199 | 95% Student's-t UCL | |
| Lead | mg/kg | 15 | 13 | 87% | 5 | 5 | 5.3 | 98.5 | 20.46 | 9.9 | 726.8 | 26.96 | 47.31 | 95% KM (Chebyshev) UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 506 | 767 | 638.3 | 620.5 | 9,659 | 98.28 | 695.3 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31.7 | 78.6 | 41.72 | 36.95 | 186.9 | 13.67 | 51.12 | 95% Adjusted Gamma UCL | |
| 186 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,000 | 18,500 | 15,820 | 15,600 | 2,981,778 | 1,727 | 16,821 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.3 | 16.9 | 12.18 | 11.5 | 11.08 | 3.329 | 14.11 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.9 | 13.2 | 11.08 | 11 | 1.086 | 1.042 | 11.68 | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,100 | 23,600 | 20,640 | 20,100 | 2,736,000 | 1,654 | 21,599 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.4 | 83.5 | 33.93 | 26.7 | 430.2 | 20.74 | 45.95 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 535 | 711 | 594.7 | 581.5 | 2,771 | 52.64 | 625.2 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 33.2 | 40.4 | 36.61 | 36.1 | 4.343 | 2.084 | 37.82 | 95% Student's-t UCL | |
| 187 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 9 | 9 | 100% | N/A | N/A | 11,500 | 18,200 | 15,611 | 16,000 | 5,621,111 | 2,371 | 17,081 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 9 | 9 | 100% | N/A | N/A | 2.8 | 36.3 | 22.01 | 22 | 84.93 | 9.216 | 27.72 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 9 | 9 | 100% | N/A | N/A | 14.6 | 58.8 | 22.13 | 17.7 | 192.7 | 13.88 | 31.48 | or 95% Modified-t UCL | |
| Iron | mg/kg | 9 | 9 | 100% | N/A | N/A | 23,100 | 32,500 | 27,144 | 26,400 | 10,565,278 | 3,250 | 29,159 | 95% Student's-t UCL | |
| Lead | mg/kg | 9 | 9 | 100% | N/A | N/A | 5.3 | 56.1 | 28.43 | 21.5 | 296.9 | 17.23 | 39.11 | 95% Student's-t UCL | |
| Manganese | mg/kg | 9 | 9 | 100% | N/A | N/A | 373 | 1,840 | 1,326 | 1,420 | 171,187 | 413.7 | 1,582 | 95% Student's-t UCL | |
| Thallium | mg/kg | 9 | 8 | 89% | 0.17 | 0.17 | 0.1 | 0.48 | 0.286 | 0.3 | 0.0191 | 0.138 | 0.355 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 9 | 9 | 100% | N/A | N/A | 48.7 | 64.3 | 57.3 | 56.5 | 22.53 | 4.746 | 60.24 | 95% Student's-t UCL | |
| 188 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,450 | 15,800 | 11,221 | 10,750 | 4,514,654 | 2,125 | 12,453 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 23.8 | 72.6 | 37.12 | 32.1 | 242.8 | 15.58 | 46.15 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.4 | 12.5 | 9.92 | 9.55 | 1.673 | 1.293 | 10.67 | 95% Student's-t UCL | |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 68.3 | 585 | 222.8 | 159 | 32,453 | 180.1 | 327.2 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,600 | 24,900 | 19,690 | 18,900 | 7,625,444 | 2,761 | 21,291 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 75.4 | 479 | 193.2 | 154.5 | 15,682 | 125.2 | 265.8 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 407 | 618 | 524.2 | 525 | 4,984 | 70.6 | 565.1 | 95% Student's-t UCL | |
| 189 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,800 | 19,800 | 14,130 | 13,550 | 7,413,444 | 2,723 | 15,708 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.9 | 32.8 | 20.59 | 20.4 | 43.33 | 6.583 | 24.41 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.1 | 11.8 | 10.44 | 10.55 | 0.812 | 0.901 | 10.96 | 95% Student's-t UCL | |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 26.2 | 491 | 116.8 | 73.2 | 18,469 | 135.9 | 225 | 95% Adjusted Gamma UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,100 | 24,700 | 20,980 | 20,700 | 4,030,667 | 2,008 | 22,144 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.5 | 101 | 49.77 | 46.9 | 655.5 | 25.6 | 64.61 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 448 | 649 | 559.6 | 556 | 3,304 | 57.48 | 592.9 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31.2 | 42.7 | 36.76 | 36.6 | 14.85 | 3.854 | 38.99 | 95% Student's-t UCL | |
| 190 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,700 | 19,400 | 17,210 | 17,400 | 4,256,556 | 2,063 | 18,406 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.8 | 71.7 | 32.53 | 25.45 | 443.3 | 21.06 | 49.5 | 95% H-UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.9 | 16.7 | 13.88 | 14.05 | 4.797 | 2.19 | 15.15 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 20,800 | 27,100 | 23,190 | 22,450 | 4,587,667 | 2,142 | 24,432 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.9 | 228 | 89.76 | 45.55 | 6,371 | 79.82 | 183.9 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 559 | 916 | 723.2 | 753 | 14,096 | 118.7 | 792 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 37.9 | 49.9 | 43.19 | 41.65 | 15.89 | 3.986 | 45.5 | 95% Student's-t UCL | |
| 1902 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 25,000 | 34,800 | 29,900 | 29,900 | 48,020,000 | 6,930 | 34,800 | Max Detect | |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 50.5 | 143 | 80.75 | 70.6 | 764.4 | 27.65 | 92.45 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 22.9 | 26.4 | 24.65 | 24.65 | 6.125 | 2.475 | 26.4 | Max Detect | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 45,700 | 92,300 | 66,971 | 64,100 | 131,700,000 | 11,474 | 71,829 | 95% Student's-t UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 886 | 1,660 | 1,317 | 1,320 | 46,790 | 216.3 | 1,409 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 116 | 185 | 150.5 | 150.5 | 2,381 | 48.79 | 185 | Max Detect | |
| 1903 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 4 | 4 | 100% | N/A | N/A | 18,000 | 29,800 | 22,500 | 21,100 | 29,046,667 | 5,389 | 28,842 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 30 | 30 | 100% | N/A | N/A | 44.9 | 571 | 171 | 139 | 15,906 | 126.1 | 210.1 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 4 | 4 | 100% | N/A | N/A | 26.3 | 38.4 | 33.6 | 34.85 | 28.77 | 5.363 | 38.4 | Max Detect | |
| Iron | mg/kg | 30 | 30 | 100% | N/A | N/A | 42,600 | 144,000 | 68,563 | 67,300 | 448,200,000 | 21,170 | 75,431 | 95% Adjusted Gamma UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 30 | 30 | 100% | N/A | N/A | 870 | 2,990 | 1,367 | 1,230 | 240,273 | 490.2 | 1,524 | | or 95% Modified-t UCL |
| Thallium | mg/kg | 4 | 2 | 50% | 0.022 | 0.022 | 0.24 | 0.24 | 0.24 | 0.24 | 0 | 0 | 0.24 | | Max Detect |
| Vanadium | mg/kg | 4 | 4 | 100% | N/A | N/A | 154 | 234 | 185 | 176 | 1,185 | 34.43 | 225.5 | | 95% Student's-t UCL |
| 1906 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 30,000 | 35,400 | 32,700 | 32,700 | 14,580,000 | 3,818 | 35,400 | | Max Detect |
| Arsenic | mg/kg | 18 | 18 | 100% | N/A | N/A | 55 | 218 | 103.3 | 82.75 | 2,018 | 44.93 | 125.7 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 18.4 | 26.9 | 22.65 | 22.65 | 36.13 | 6.01 | 26.9 | | Max Detect |
| Iron | mg/kg | 18 | 18 | 100% | N/A | N/A | 55,700 | 87,700 | 70,156 | 68,800 | 102,500,000 | 10,124 | 74,307 | | 95% Student's-t UCL |
| Manganese | mg/kg | 18 | 18 | 100% | N/A | N/A | 1,110 | 2,210 | 1,492 | 1,320 | 146,007 | 382.1 | 1,652 | | 95% Modified-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 66 | 160 | 113 | 113 | 4,418 | 66.47 | 160 | | Max Detect |
| 1907 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 20,500 | 20,900 | 20,700 | 20,700 | 80,000 | 282.8 | 20,900 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 42.7 | 110 | 68.96 | 56.1 | 475.8 | 21.81 | 78.36 | | or 95% Modified-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 29.4 | 35.9 | 32.65 | 32.65 | 21.13 | 4.596 | 35.9 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 44,200 | 180,000 | 107,241 | 91,600 | 1,685,000,000 | 41,051 | 124,624 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 13.2 | 57.6 | 32.74 | 25.1 | 233.2 | 15.27 | 39.21 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 1,320 | 15,200 | 7,042 | 7,450 | 22,956,403 | 4,791 | 9,071 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 75.5 | 88.2 | 81.85 | 81.85 | 80.65 | 8.98 | 88.2 | | Max Detect |
| 1908 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 38,400 | 38,400 | 38,400 | 38,400 | N/A | N/A | 38,400 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 51.6 | 169 | 90.65 | 88.7 | 892.8 | 29.88 | 103.3 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 45.8 | 45.8 | 45.8 | 45.8 | N/A | N/A | 45.8 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 55,500 | 87,200 | 72,212 | 71,000 | 86,889,853 | 9,321 | 76,159 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 794 | 3,260 | 1,441 | 1,320 | 285,707 | 534.5 | 1,681 | | 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 218 | 218 | 218 | 218 | N/A | N/A | 218 | | Max Detect |
| 1909 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 13,500 | 19,600 | 16,550 | 16,550 | 18,605,000 | 4,313 | 19,600 | | Max Detect |
| Arsenic | mg/kg | 13 | 13 | 100% | N/A | N/A | 21.1 | 179 | 57.17 | 48.3 | 1,530 | 39.11 | 77.35 | | 95% H-UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 14.6 | 26.8 | 20.7 | 20.7 | 74.42 | 8.627 | 26.8 | | Max Detect |
| Iron | mg/kg | 13 | 13 | 100% | N/A | N/A | 26,800 | 56,500 | 43,508 | 45,700 | 75,565,769 | 8,693 | 47,805 | | 95% Student's-t UCL |
| Manganese | mg/kg | 13 | 13 | 100% | N/A | N/A | 481 | 1,690 | 1,124 | 1,080 | 112,987 | 336.1 | 1,290 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 63.1 | 82.9 | 73 | 73 | 196 | 14 | 82.9 | | Max Detect |
| 1910 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 15,500 | 17,600 | 16,550 | 16,550 | 2,205,000 | 1,485 | 17,600 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 41.1 | 90.5 | 59.16 | 58.3 | 207.1 | 14.39 | 65.25 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 17.8 | 34.2 | 26 | 26 | 134.5 | 11.6 | 34.2 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 53,400 | 300,000 | 152,576 | 146,000 | 6,719,000,000 | 81,968 | 187,285 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 7 | 52.4 | 34.09 | 34.3 | 182.3 | 13.5 | 39.81 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 1,110 | 17,500 | 8,459 | 10,000 | 31,654,793 | 5,626 | 10,842 | | 95% Student's-t UCL |
| Thallium | mg/kg | 2 | 1 | 50% | 0.022 | 0.022 | 0.22 | 0.22 | 0.22 | 0.22 | N/A | N/A | 0.22 | | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 64.7 | 80.6 | 72.65 | 72.65 | 126.4 | 11.24 | 80.6 | | Max Detect |
| 1911 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 16,100 | 16,100 | 16,100 | 16,100 | N/A | N/A | 16,100 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 51.7 | 227 | 90.14 | 77.2 | 1,647 | 40.59 | 108.2 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 24 | 24 | 24 | 24 | N/A | N/A | 24 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 76,000 | 230,000 | 144,188 | 133,000 | 2,333,000,000 | 48,297 | 164,639 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 1,610 | 12,900 | 5,836 | 5,710 | 10,304,049 | 3,210 | 7,196 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 74.5 | 74.5 | 74.5 | 74.5 | N/A | N/A | 74.5 | | Max Detect |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|------------------|------------------------|
| | | | | | | | | | | | | Detects | | |
| 1912 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 36,100 | 36,100 | 36,100 | 36,100 | N/A | N/A | 36,100 | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 18.9 | 208 | 107.6 | 101 | 2,305 | 48.01 | 127.9 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 21.9 | 21.9 | 21.9 | 21.9 | N/A | N/A | 21.9 | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 38,300 | 97,600 | 73,512 | 73,500 | 143,400,000 | 11,973 | 78,582 | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 698 | 2,390 | 1,402 | 1,310 | 226,688 | 476.1 | 1,609 | 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 248 | 248 | 248 | 248 | N/A | N/A | 248 | Max Detect |
| 1913 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 27,500 | 27,500 | 27,500 | 27,500 | N/A | N/A | 27,500 | Max Detect |
| Arsenic | mg/kg | 18 | 18 | 100% | N/A | N/A | 40.4 | 246 | 80.73 | 66.15 | 2,824 | 53.14 | 103.7 | 95% Modified-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 30.5 | 30.5 | 30.5 | 30.5 | N/A | N/A | 30.5 | Max Detect |
| Iron | mg/kg | 18 | 18 | 100% | N/A | N/A | 44,200 | 84,800 | 62,517 | 62,850 | 140,300,000 | 11,846 | 67,374 | 95% Student's-t UCL |
| Lead | mg/kg | 18 | 18 | 100% | N/A | N/A | 11.3 | 42.3 | 21.29 | 21.45 | 55.39 | 7.442 | 24.34 | 95% Student's-t UCL |
| Manganese | mg/kg | 18 | 18 | 100% | N/A | N/A | 755 | 3,720 | 1,686 | 1,340 | 692,420 | 832.1 | 2,088 | 95% Adjusted Gamma UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 158 | 158 | 158 | 158 | N/A | N/A | 158 | Max Detect |
| 1914 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 25,900 | 25,900 | 25,900 | 25,900 | 0 | 0 | 25,900 | Max Detect |
| Arsenic | mg/kg | 19 | 19 | 100% | N/A | N/A | 44.9 | 132 | 86.82 | 79.4 | 620.5 | 24.91 | 96.73 | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 26.6 | 26.9 | 26.75 | 26.75 | 0.045 | 0.212 | 26.9 | Max Detect |
| Iron | mg/kg | 19 | 19 | 100% | N/A | N/A | 37,700 | 82,600 | 60,516 | 61,500 | 134,400,000 | 11,594 | 65,128 | 95% Student's-t UCL |
| Lead | mg/kg | 19 | 14 | 74% | 7 | 7 | 13.2 | 49 | 26.34 | 24.9 | 136.1 | 11.67 | 26.56 | 95% KM (t) UCL |
| Manganese | mg/kg | 19 | 19 | 100% | N/A | N/A | 1,020 | 2,900 | 1,778 | 1,740 | 328,129 | 572.8 | 2,006 | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 164 | 172 | 168 | 168 | 32 | 5.657 | 172 | Max Detect |
| 1915 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 25,400 | 25,400 | 25,400 | 25,400 | N/A | N/A | 25,400 | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 46 | 86.1 | 64.75 | 62.8 | 120.4 | 10.97 | 69.4 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 26.4 | 26.4 | 26.4 | 26.4 | N/A | N/A | 26.4 | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 45,700 | 87,000 | 58,606 | 57,200 | 115,500,000 | 10,746 | 63,156 | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 13 | 76% | 7 | 7 | 7 | 60.2 | 20.41 | 18.6 | 188.6 | 13.73 | 22.92 | 95% KM (t) UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 1,080 | 6,260 | 2,629 | 3,070 | 1,790,043 | 1,338 | 3,196 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 129 | 129 | 129 | 129 | N/A | N/A | 129 | Max Detect |
| 1917 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 29,400 | 29,400 | 29,400 | 29,400 | N/A | N/A | 29,400 | Max Detect |
| Arsenic | mg/kg | 4 | 4 | 100% | N/A | N/A | 43.9 | 69.5 | 60.88 | 65.05 | 139.9 | 11.83 | 69.5 | Max Detect |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 19.6 | 19.6 | 19.6 | 19.6 | N/A | N/A | 19.6 | Max Detect |
| Iron | mg/kg | 4 | 4 | 100% | N/A | N/A | 60,400 | 68,700 | 63,825 | 63,100 | 14,849,167 | 3,853 | 68,700 | Max Detect |
| Lead | mg/kg | 4 | 4 | 100% | N/A | N/A | 13.5 | 55 | 33.45 | 32.65 | 360.7 | 18.99 | 55 | Max Detect |
| Manganese | mg/kg | 4 | 4 | 100% | N/A | N/A | 985 | 1,870 | 1,481 | 1,535 | 154,806 | 393.5 | 1,870 | Max Detect |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 104 | 104 | 104 | 104 | N/A | N/A | 104 | Max Detect |
| 191A | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 5 | 5 | 100% | N/A | N/A | 15,300 | 33,300 | 23,940 | 24,100 | 43,313,000 | 6,581 | 30,215 | 95% Student's-t UCL |
| Arsenic | mg/kg | 20 | 20 | 100% | N/A | N/A | 23.4 | 85 | 57.97 | 58.35 | 267.6 | 16.36 | 64.29 | 95% Student's-t UCL |
| Cobalt | mg/kg | 5 | 5 | 100% | N/A | N/A | 12.2 | 19.8 | 16.4 | 17.3 | 8.055 | 2.838 | 19.11 | 95% Student's-t UCL |
| Iron | mg/kg | 20 | 20 | 100% | N/A | N/A | 25,700 | 52,000 | 40,730 | 41,900 | 47,871,684 | 6,919 | 43,405 | 95% Student's-t UCL |
| Manganese | mg/kg | 20 | 20 | 100% | N/A | N/A | 639 | 1,960 | 1,074 | 938 | 135,114 | 367.6 | 1,221 | or 95% Modified-t UCL |
| Vanadium | mg/kg | 5 | 5 | 100% | N/A | N/A | 56.2 | 109 | 75.92 | 71.6 | 391.8 | 19.79 | 94.79 | 95% Student's-t UCL |
| 191B | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 9 | 9 | 100% | N/A | N/A | 11,700 | 23,700 | 15,378 | 13,800 | 13,631,944 | 3,692 | 17,666 | 95% Student's-t UCL |
| Arsenic | mg/kg | 25 | 25 | 100% | N/A | N/A | 28 | 68.4 | 42.91 | 41.6 | 107 | 10.35 | 46.45 | 95% Student's-t UCL |
| Cobalt | mg/kg | 9 | 9 | 100% | N/A | N/A | 12.9 | 19.7 | 14.8 | 13.8 | 4.663 | 2.159 | 16.14 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Iron | mg/kg | 25 | 25 | 100% | N/A | N/A | 25,100 | 44,900 | 33,772 | 33,600 | 26,282,933 | 5,127 | 35,526 | | 95% Student's-t UCL |
| Lead | mg/kg | 25 | 25 | 100% | N/A | N/A | 8.1 | 75.5 | 26.55 | 23.6 | 206.3 | 14.36 | 31.96 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 25 | 25 | 100% | N/A | N/A | 623 | 1,720 | 904 | 886 | 52,990 | 230.2 | 982.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 9 | 9 | 100% | N/A | N/A | 45.6 | 67.5 | 58.18 | 58.6 | 62.95 | 7.934 | 63.1 | | 95% Student's-t UCL |
| 192 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,800 | 21,200 | 15,490 | 14,400 | 7,989,889 | 2,827 | 17,129 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.5 | 45.8 | 21.3 | 19.1 | 89.36 | 9.453 | 27.14 | | or 95% Modified-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11 | 15.3 | 12.78 | 12.6 | 1.437 | 1.199 | 13.47 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 20,500 | 28,400 | 23,130 | 22,350 | 7,675,667 | 2,770 | 24,804 | | or 95% Modified-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.8 | 172 | 46.98 | 34.8 | 2,043 | 45.2 | 76.94 | | 95% H-UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 628 | 1,670 | 864.7 | 793.5 | 84,997 | 291.5 | 1,047 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 34.6 | 49.6 | 40.34 | 39.55 | 23.58 | 4.856 | 43.15 | | 95% Student's-t UCL |
| 193 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,100 | 13,600 | 11,660 | 11,800 | 1,942,667 | 1,394 | 12,468 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.9 | 21.1 | 15.67 | 15.5 | 8.469 | 2.91 | 17.36 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.9 | 15.1 | 12.75 | 13 | 1.834 | 1.354 | 13.54 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,900 | 22,700 | 19,790 | 19,650 | 2,863,222 | 1,692 | 20,771 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.3 | 58.7 | 31.46 | 27.95 | 143.5 | 11.98 | 38.4 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 888 | 2,070 | 1,258 | 1,125 | 123,277 | 351.1 | 1,461 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 7 | 70% | 2.5 | 2.9 | 0.065 | 0.41 | 0.229 | 0.25 | 0.0225 | 0.15 | 0.332 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 33 | 44.7 | 38.43 | 38.55 | 15.46 | 3.932 | 40.71 | | 95% Student's-t UCL |
| 194 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,600 | 21,000 | 14,830 | 14,200 | 6,513,444 | 2,552 | 16,309 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.2 | 25.9 | 15.8 | 14.85 | 19.31 | 4.394 | 18.35 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.2 | 34.3 | 14.72 | 12.4 | 48.43 | 6.959 | 19.11 | | or 95% Modified-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,200 | 41,200 | 21,920 | 20,050 | 48,361,778 | 6,954 | 26,283 | | or 95% Modified-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.2 | 58.1 | 23.03 | 20.7 | 193.8 | 13.92 | 31.1 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 610 | 1,000 | 794.6 | 765 | 18,383 | 135.6 | 873.2 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 4 | 40% | 2.5 | 2.8 | 0.084 | 0.15 | 0.116 | 0.115 | 0.000744 | 0.0273 | 0.141 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 38.9 | 110 | 50.6 | 44.3 | 449.3 | 21.2 | 63.94 | | or 95% Modified-t UCL |
| 195 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,200 | 17,600 | 13,550 | 13,050 | 6,842,778 | 2,616 | 15,066 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.2 | 151 | 33.69 | 21.45 | 1,720 | 41.47 | 90.85 | | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 10 | 9 | 90% | 4.3 | 4.3 | 8.5 | 22.8 | 12.3 | 9.7 | 25.34 | 5.033 | 18.96 | | 95% KM (Chebyshev) UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 45.2 | 621 | 142 | 79.55 | 30,134 | 173.6 | 381.2 | | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,200 | 26,300 | 21,160 | 20,750 | 17,013,778 | 4,125 | 23,551 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 19.9 | 350 | 112 | 73.25 | 11,097 | 105.3 | 173 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 218 | 1,080 | 621.5 | 585 | 50,593 | 224.9 | 751.9 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 9 | 90% | 3.5 | 3.5 | 0.14 | 0.41 | 0.268 | 0.28 | 0.00594 | 0.0771 | 0.315 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31.1 | 55.7 | 42.68 | 39.5 | 73.92 | 8.598 | 47.66 | | 95% Student's-t UCL |
| 196 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,020 | 17,700 | 11,262 | 10,450 | 7,131,951 | 2,671 | 12,810 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 18.1 | 37 | 27.28 | 27.05 | 32.58 | 5.707 | 30.59 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.4 | 14 | 9.63 | 8.9 | 3.52 | 1.876 | 10.72 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,500 | 28,800 | 19,580 | 18,700 | 13,361,778 | 3,655 | 21,699 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 47.1 | 287 | 123.9 | 112 | 5,661 | 75.24 | 167.5 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 460 | 965 | 592.6 | 541 | 20,585 | 143.5 | 675.8 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 3 | 30% | 2.5 | 3.2 | 0.16 | 0.31 | 0.213 | 0.17 | 0.00703 | 0.0839 | 0.302 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 30.8 | 61.3 | 38 | 35 | 90.68 | 9.523 | 43.52 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|----------------------|------------------|-----------------------------|
| | | | | | | | | | | | | Deviation of Detects | | |
| 197 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,200 | 18,900 | 15,920 | 16,050 | 3,275,111 | 1,810 | 16,969 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.9 | 22.9 | 14.15 | 12.65 | 26.73 | 5.17 | 17.15 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.9 | 16.2 | 13.75 | 14.3 | 3.223 | 1.795 | 14.79 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 23,200 | 35,400 | 28,050 | 27,800 | 10,931,667 | 3,306 | 29,967 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 629 | 1,070 | 792.8 | 774 | 15,238 | 123.4 | 864.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 45.7 | 69.9 | 55.11 | 54.6 | 42.15 | 6.493 | 58.87 | 95% Student's-t UCL |
| 198 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 7,930 | 14,600 | 11,309 | 11,300 | 4,090,566 | 2,023 | 12,481 | 95% Student's-t UCL |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 6.4 | 24.6 | 15.95 | 16.2 | 34.29 | 5.855 | 18.72 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.3 | 10.8 | 9.04 | 9.2 | 2.169 | 1.473 | 9.894 | 95% Student's-t UCL |
| Cyanide | mg/kg | 10 | 5 | 50% | 2.5 | 2.6 | 0.16 | 4.4 | 1.114 | 0.35 | 3.381 | 1.839 | 1.579 | 95% KM (BCA) UCL |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 14,700 | 28,300 | 20,514 | 19,900 | 18,576,703 | 4,310 | 22,554 | 95% Student's-t UCL |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 5.6 | 113 | 50.3 | 41.85 | 1,345 | 36.67 | 67.65 | 95% Student's-t UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 429 | 851 | 565.6 | 541 | 12,084 | 109.9 | 617.7 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 26.7 | 42.2 | 34.5 | 34.2 | 23.88 | 4.886 | 37.33 | 95% Student's-t UCL |
| 199 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,900 | 22,100 | 18,900 | 18,450 | 4,844,444 | 2,201 | 20,176 | 95% Student's-t UCL |
| Arsenic | mg/kg | 27 | 26 | 96% | 13.1 | 13.1 | 20.3 | 165 | 53.61 | 46.05 | 913.3 | 30.22 | 64.78 | 95% GROS Adjusted Gamma UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 20.2 | 33.9 | 25.23 | 25.1 | 19.86 | 4.456 | 27.81 | 95% Student's-t UCL |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 67 | 508 | 204 | N/A | N/A | 121.6 | 270.4 | 95% Student's-t UCL |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 18,900 | 64,700 | 38,633 | 35,800 | 157,100,000 | 12,533 | 42,747 | 95% Student's-t UCL |
| Lead | mg/kg | 27 | 27 | 100% | N/A | N/A | 17.9 | 253 | 71.06 | 53.2 | 3,008 | 54.85 | 90 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 695 | 1,860 | 967.7 | 937 | 61,789 | 248.6 | 1,049 | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 9 | 90% | 2.5 | 2.5 | 1.1 | 1.6 | 1.311 | 1.3 | 0.0311 | 0.176 | 1.419 | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 51.8 | 81.2 | 65.57 | 62.45 | 94.14 | 9.702 | 71.19 | 95% Student's-t UCL |
| 201 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,100 | 45,500 | 28,480 | 28,600 | 62,737,333 | 7,921 | 33,071 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 6 | 69.8 | 39.88 | 43.4 | 416.3 | 20.4 | 51.71 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.3 | 41.1 | 32.36 | 32.8 | 47.37 | 6.882 | 36.35 | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 56.3 | 362 | 129.7 | 97.7 | 8,306 | 91.14 | 200.2 | 95% Adjusted Gamma UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 29,900 | 85,200 | 55,620 | 57,700 | 198,800,000 | 14,100 | 63,793 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.77 | 89.7 | 26.97 | 16.35 | 794 | 28.18 | 43.3 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 630 | 5,660 | 2,091 | 1,640 | 1,965,899 | 1,402 | 2,904 | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 5 | 50% | 2.5 | 2.9 | 0.033 | 0.82 | 0.241 | 0.11 | 0.106 | 0.326 | 0.599 | 95% Adjusted Gamma KM-UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 75.4 | 268 | 161 | 165 | 2,789 | 52.82 | 191.7 | 95% Student's-t UCL |
| 202 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,000 | 19,700 | 16,310 | 15,700 | 5,632,111 | 2,373 | 17,686 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.6 | 29.9 | 20.2 | 19.85 | 22.93 | 4.789 | 22.98 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 12 | 16.2 | 13.47 | 12.55 | 3.358 | 1.832 | 14.56 | or 95% Modified-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,200 | 21,300 | 17,670 | 17,400 | 2,951,222 | 1,718 | 18,666 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.4 | 134 | 40.79 | 25.95 | 1,654 | 40.67 | 80.86 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 590 | 925 | 775.7 | 758 | 8,979 | 94.76 | 830.6 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 39.7 | 55.1 | 45.94 | 45.5 | 21.61 | 4.649 | 48.63 | 95% Student's-t UCL |
| 203A | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 10,700 | 30,600 | 22,018 | 21,700 | 50,255,636 | 7,089 | 25,892 | 95% Student's-t UCL |
| Antimony | mg/kg | 11 | 11 | 100% | N/A | N/A | 0.95 | 3.8 | 1.85 | 1.7 | 0.722 | 0.849 | 2.314 | 95% Student's-t UCL |
| Arsenic | mg/kg | 23 | 23 | 100% | N/A | N/A | 22.6 | 237 | 98.83 | 89.3 | 3,214 | 56.69 | 119.1 | 95% Student's-t UCL |
| Cadmium | mg/kg | 11 | 11 | 100% | N/A | N/A | 1.6 | 9.6 | 4.882 | 4.2 | 5.8 | 2.408 | 6.198 | 95% Student's-t UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 13 | 19.9 | 16.45 | 17.2 | 5.555 | 2.357 | 17.73 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 229 | 2,270 | 953.2 | 787 | 378,825 | 615.5 | 1,290 | | 95% Student's-t UCL |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 14,800 | 40,900 | 30,461 | 32,100 | 74,965,217 | 8,658 | 33,561 | | 95% Student's-t UCL |
| Lead | mg/kg | 23 | 23 | 100% | N/A | N/A | 25.1 | 602 | 182.1 | 126 | 21,219 | 145.7 | 249 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 431 | 1,520 | 884.1 | 818 | 60,055 | 245.1 | 971.9 | | 95% Student's-t UCL |
| Thallium | mg/kg | 11 | 8 | 73% | 0.022 | 2.6 | 0.14 | 0.44 | 0.245 | 0.21 | 0.0113 | 0.106 | 0.278 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 35.6 | 78.6 | 55.74 | 49.6 | 244 | 15.62 | 64.27 | | 95% Student's-t UCL |
| 203B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 19,100 | 25,400 | 21,233 | 19,200 | 13,023,333 | 3,609 | 25,400 | | Max Detect |
| Arsenic | mg/kg | 21 | 20 | 95% | 14.2 | 14.2 | 22.3 | 191 | 101.9 | 110 | 3,072 | 55.43 | 119.3 | | 95% KM (t) UCL |
| Cadmium | mg/kg | 3 | 3 | 100% | N/A | N/A | 1.7 | 9.5 | 4.467 | 2.2 | 19.06 | 4.366 | 9.5 | | Max Detect |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 15.9 | 20.7 | 17.97 | 17.3 | 6.093 | 2.468 | 20.7 | | Max Detect |
| Copper | mg/kg | 3 | 3 | 100% | N/A | N/A | 210 | 1,590 | 728 | 384 | 564,852 | 751.6 | 1,590 | | Max Detect |
| Iron | mg/kg | 21 | 21 | 100% | N/A | N/A | 20,200 | 52,300 | 34,352 | 35,500 | 57,633,619 | 7,592 | 37,210 | | 95% Student's-t UCL |
| Lead | mg/kg | 21 | 21 | 100% | N/A | N/A | 11.3 | 678 | 243.7 | 214 | 44,837 | 211.7 | 323.4 | | 95% Student's-t UCL |
| Manganese | mg/kg | 21 | 21 | 100% | N/A | N/A | 643 | 2,080 | 872.3 | 816 | 85,119 | 291.8 | 991 | | or 95% Modified-t UCL |
| Thallium | mg/kg | 3 | 1 | 33% | 2.5 | 2.6 | 0.36 | 0.36 | 0.36 | 0.36 | N/A | N/A | 0.36 | | Max Detect |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 47.5 | 57.7 | 52.2 | 51.4 | 26.49 | 5.147 | 57.7 | | Max Detect |
| 204 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,700 | 19,000 | 16,810 | 18,150 | 6,401,000 | 2,530 | 18,277 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.7 | 35.3 | 27.22 | 27.75 | 41.06 | 6.408 | 30.93 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.5 | 18.5 | 15.66 | 16.1 | 3.487 | 1.867 | 16.74 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 21,500 | 30,500 | 26,300 | 26,750 | 11,515,556 | 3,393 | 28,267 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.2 | 56 | 43.09 | 46.1 | 163.4 | 12.78 | 50.5 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 1,040 | 1,570 | 1,369 | 1,420 | 28,343 | 168.4 | 1,467 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 1 | 10% | 2.5 | 2.7 | 0.18 | 0.18 | 0.18 | 0.18 | N/A | N/A | 0.18 | | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 45.5 | 76 | 58.85 | 58.5 | 109.4 | 10.46 | 64.91 | | 95% Student's-t UCL |
| 205 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,000 | 22,000 | 16,000 | 15,700 | 9,055,556 | 3,009 | 17,744 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.3 | 39.8 | 23.24 | 20.55 | 49.83 | 7.059 | 27.33 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.4 | 18.4 | 15.25 | 15.15 | 3.176 | 1.782 | 16.28 | | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 77 | 423 | 148.8 | 107.5 | 11,271 | 106.2 | 229.5 | | 95% Adjusted Gamma UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 21,800 | 30,500 | 24,250 | 23,250 | 7,267,222 | 2,696 | 25,813 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 19 | 76.6 | 38.72 | 30.6 | 430.9 | 20.76 | 55.06 | | or 95% H-UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 1,130 | 1,580 | 1,365 | 1,330 | 22,028 | 148.4 | 1,451 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 1 | 10% | 2.5 | 3 | 0.12 | 0.12 | 0.12 | 0.12 | N/A | N/A | 0.12 | | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 44.9 | 66.8 | 52.35 | 49 | 45.06 | 6.713 | 56.24 | | 95% Student's-t UCL |
| 206 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,400 | 11,600 | 10,527 | 10,600 | 446,579 | 668.3 | 10,914 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.7 | 26.5 | 22.35 | 22.55 | 9.847 | 3.138 | 24.17 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.6 | 11.5 | 10.79 | 10.95 | 0.461 | 0.679 | 11.18 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,300 | 20,900 | 19,040 | 19,250 | 1,791,556 | 1,338 | 19,816 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 28.2 | 64.2 | 42.47 | 43.1 | 155 | 12.45 | 49.69 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 587 | 763 | 676.1 | 681 | 2,825 | 53.15 | 706.9 | | 95% Student's-t UCL |
| 207 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,000 | 16,100 | 13,410 | 12,850 | 1,929,889 | 1,389 | 14,215 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.9 | 35.6 | 18.33 | 17.1 | 81.72 | 9.04 | 23.57 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.4 | 16.1 | 13.35 | 13.45 | 3.567 | 1.889 | 14.44 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,300 | 30,300 | 24,020 | 24,650 | 21,457,333 | 4,632 | 26,705 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.1 | 46.7 | 23.08 | 16.7 | 149.4 | 12.22 | 30.16 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 543 | 889 | 730.1 | 746 | 7,827 | 88.47 | 781.4 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Thallium | mg/kg | 10 | 3 | 30% | 2.6 | 3.4 | 0.087 | 0.13 | 0.106 | 0.1 | 0.00048633 | 0.0221 | 0.129 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 37.8 | 59.2 | 47.44 | 45.15 | 64.46 | 8.029 | 52.09 | 95% Student's-t UCL | |
| 209 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,500 | 14,400 | 12,710 | 12,500 | 761,000 | 872.4 | 13,216 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.4 | 33 | 18.05 | 16.3 | 64.2 | 8.013 | 22.69 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.7 | 12.5 | 10.17 | 9.95 | 1.291 | 1.136 | 10.83 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,500 | 29,500 | 22,150 | 21,350 | 12,233,889 | 3,498 | 24,178 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 507 | 691 | 588.5 | 592 | 2,770 | 52.63 | 619 | 95% Student's-t UCL | |
| Thallium | mg/kg | 10 | 8 | 80% | 2.6 | 2.6 | 0.061 | 0.37 | 0.248 | 0.275 | 0.0138 | 0.117 | 0.324 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31.2 | 49.3 | 41.85 | 40.8 | 31.37 | 5.6 | 45.1 | 95% Student's-t UCL | |
| 210 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,190 | 13,300 | 11,609 | 11,800 | 1,981,921 | 1,408 | 12,425 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.8 | 42.9 | 22.24 | 19.85 | 76.09 | 8.723 | 27.3 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7 | 11.1 | 9.27 | 9.25 | 1.56 | 1.249 | 9.994 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,500 | 21,800 | 18,750 | 18,950 | 4,662,778 | 2,159 | 20,002 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 8 | 41 | 23.19 | 22.8 | 86.61 | 9.307 | 28.58 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 501 | 946 | 629.1 | 609 | 15,327 | 123.8 | 716.2 | 95% Adjusted Gamma UCL | |
| Thallium | mg/kg | 10 | 8 | 80% | 2.6 | 2.6 | 0.073 | 0.25 | 0.159 | 0.17 | 0.0054 | 0.0735 | 0.207 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 25.2 | 41.5 | 34.79 | 34.7 | 17.16 | 4.143 | 37.19 | 95% Student's-t UCL | |
| 2102 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 21,500 | 24,700 | 23,100 | 23,100 | 5,120,000 | 2,263 | 24,700 | Max Detect | |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 21.1 | 178 | 63.12 | 61.7 | 1,483 | 38.5 | 79.43 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 12.2 | 14.7 | 13.45 | 13.45 | 3.125 | 1.768 | 14.7 | Max Detect | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 31,600 | 55,100 | 45,459 | 47,800 | 55,472,574 | 7,448 | 48,613 | 95% Student's-t UCL | |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 7.58 | 105 | 32.05 | 28.9 | 618.4 | 24.87 | 42.58 | 95% Student's-t UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 505 | 870 | 717.6 | 719 | 10,163 | 100.8 | 760.3 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 66.5 | 83.8 | 75.15 | 75.15 | 149.6 | 12.23 | 83.8 | Max Detect | |
| 2103A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,100 | 17,100 | 17,100 | 17,100 | N/A | N/A | 17,100 | Max Detect | |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 16.6 | 127 | 70.4 | 77.2 | 1,117 | 33.43 | 84.55 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.4 | 12.4 | 12.4 | 12.4 | N/A | N/A | 12.4 | Max Detect | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 33,100 | 51,800 | 45,788 | 47,300 | 29,319,853 | 5,415 | 48,081 | 95% Student's-t UCL | |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 7.58 | 79.3 | 37.64 | 33.5 | 590.9 | 24.31 | 47.94 | 95% Student's-t UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 538 | 990 | 727.6 | 716 | 13,394 | 115.7 | 776.6 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 84.3 | 84.3 | 84.3 | 84.3 | N/A | N/A | 84.3 | Max Detect | |
| 2103B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 20,000 | 21,100 | 20,550 | 20,550 | 605,000 | 777.8 | 21,100 | Max Detect | |
| Arsenic | mg/kg | 21 | 21 | 100% | N/A | N/A | 18.7 | 114 | 56.24 | 49.4 | 688.8 | 26.24 | 66.12 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11.6 | 12.3 | 11.95 | 11.95 | 0.245 | 0.495 | 12.3 | Max Detect | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 30,000 | 41,700 | 37,047 | 37,400 | 8,807,647 | 2,968 | 38,304 | 95% Student's-t UCL | |
| Lead | mg/kg | 21 | 20 | 95% | 7 | 7 | 8.77 | 81.8 | 28.58 | 25.45 | 357.1 | 18.9 | 34.72 | 95% KM (t) UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 543 | 838 | 695.3 | 697 | 8,173 | 90.41 | 733.6 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 70.4 | 74.2 | 72.3 | 72.3 | 7.22 | 2.687 | 74.2 | Max Detect | |
| 2105 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 19,600 | 21,700 | 20,400 | 19,900 | 1,290,000 | 1,136 | 21,700 | Max Detect | |
| Arsenic | mg/kg | 26 | 26 | 100% | N/A | N/A | 16.6 | 202 | 83.33 | 80.5 | 2,800 | 52.92 | 101.1 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 11.8 | 14.6 | 13.3 | 13.5 | 1.99 | 1.411 | 14.6 | Max Detect | |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 24,700 | 48,600 | 39,578 | 40,400 | 24,551,779 | 4,955 | 41,352 | 95% Student's-t UCL | |
| Lead | mg/kg | 26 | 23 | 88% | 7 | 7 | 8.03 | 117 | 47.72 | 35.9 | 1,006 | 31.72 | 53.97 | 95% KM (t) UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 391 | 894 | 690.4 | 669 | 14,407 | 120 | 733.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 62.9 | 81 | 74.1 | 78.4 | 95.77 | 9.786 | 81 | | Max Detect |
| 2108 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 19,600 | 24,000 | 21,800 | 21,800 | 9,680,000 | 3,111 | 24,000 | | Max Detect |
| Arsenic | mg/kg | 17 | 14 | 82% | 13.1 | 13.1 | 11.2 | 58.3 | 22.46 | 18.3 | 154.8 | 12.44 | 26.9 | | 95% GROS Adjusted Gamma UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11.6 | 14.4 | 13 | 13 | 3.92 | 1.98 | 14.4 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 27,600 | 74,000 | 32,918 | 30,600 | 116,000,000 | 10,771 | 37,889 | | or 95% Modified-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 507 | 1,080 | 651.8 | 589 | 26,584 | 163 | 723.9 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 43.4 | 51.7 | 47.55 | 47.55 | 34.45 | 5.869 | 51.7 | | Max Detect |
| 2109 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,200 | 19,200 | 19,200 | 19,200 | N/A | N/A | 19,200 | | Max Detect |
| Arsenic | mg/kg | 17 | 16 | 94% | 13.1 | 13.1 | 15.4 | 212 | 51.88 | 21.1 | 3,416 | 58.44 | 110.4 | | 95% KM (Chebyshev) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.6 | 10.6 | 10.6 | 10.6 | N/A | N/A | 10.6 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 26,000 | 42,400 | 34,494 | 34,600 | 21,065,588 | 4,590 | 36,438 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 12.5 | 159 | 36.91 | 18.6 | 1,607 | 40.08 | 79.28 | | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 510 | 1,040 | 736.9 | 688 | 32,131 | 179.2 | 812.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 46.8 | 46.8 | 46.8 | 46.8 | N/A | N/A | 46.8 | | Max Detect |
| 211 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,940 | 17,800 | 11,834 | 11,500 | 5,176,449 | 2,275 | 13,236 | | or 95% Modified-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.9 | 35.7 | 21.62 | 21.95 | 48.34 | 6.953 | 25.65 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.3 | 12 | 9.78 | 9.65 | 1.795 | 1.34 | 10.56 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,900 | 24,300 | 19,790 | 19,400 | 4,269,889 | 2,066 | 20,988 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.4 | 253 | 62.74 | 35.8 | 5,469 | 73.95 | 164.7 | | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 386 | 813 | 535.8 | 525.5 | 13,855 | 117.7 | 604 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 32.4 | 49.2 | 38.53 | 37.35 | 36.23 | 6.019 | 42.02 | | 95% Student's-t UCL |
| 2110 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 15,200 | 15,800 | 15,500 | 15,500 | 180,000 | 424.3 | 15,800 | | Max Detect |
| Arsenic | mg/kg | 17 | 15 | 88% | 11.9 | 11.9 | 11.9 | 133 | 42.67 | 29.1 | 1,145 | 33.83 | 53.19 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11 | 12.7 | 11.85 | 11.85 | 1.445 | 1.202 | 12.7 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 29,900 | 78,700 | 44,294 | 40,500 | 173,800,000 | 13,182 | 50,562 | | 95% Adjusted Gamma UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 8.17 | 65.5 | 22.99 | 11.9 | 385.7 | 19.64 | 43.75 | | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 574 | 1,020 | 722.1 | 695 | 13,729 | 117.2 | 773.4 | | 95% Modified-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 55.5 | 63.5 | 59.5 | 59.5 | 32 | 5.657 | 63.5 | | Max Detect |
| 2111A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 24,400 | 24,400 | 24,400 | 24,400 | N/A | N/A | 24,400 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 25.7 | 65 | 36.65 | 34.8 | 94.54 | 9.723 | 40.94 | | or 95% Modified-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.6 | 12.6 | 12.6 | 12.6 | N/A | N/A | 12.6 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 32,000 | 47,800 | 39,141 | 38,700 | 16,320,074 | 4,040 | 40,852 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 538 | 822 | 671.5 | 642 | 7,309 | 85.49 | 707.7 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 76.7 | 76.7 | 76.7 | 76.7 | N/A | N/A | 76.7 | | Max Detect |
| 2111B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 18,900 | 26,300 | 22,733 | 23,000 | 13,743,333 | 3,707 | 26,300 | | Max Detect |
| Arsenic | mg/kg | 18 | 17 | 94% | 11.9 | 11.9 | 14.2 | 39.3 | 22.33 | 20 | 47.33 | 6.88 | 24.67 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 12.6 | 13.8 | 13.23 | 13.3 | 0.363 | 0.603 | 13.8 | | Max Detect |
| Iron | mg/kg | 18 | 18 | 100% | N/A | N/A | 27,200 | 52,800 | 38,994 | 36,900 | 70,213,497 | 8,379 | 42,430 | | 95% Student's-t UCL |
| Manganese | mg/kg | 18 | 18 | 100% | N/A | N/A | 518 | 1,050 | 786.6 | 796.5 | 24,548 | 156.7 | 850.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 66.1 | 85 | 73.43 | 69.2 | 102.7 | 10.14 | 85 | | Max Detect |
| 2112 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 24,100 | 24,900 | 24,500 | 24,500 | 320,000 | 565.7 | 24,900 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 16.6 | 83.9 | 31.08 | 27.5 | 251.1 | 15.85 | 38.26 | | 95% Adjusted Gamma UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 12.5 | 15.8 | 14.15 | 14.15 | 5.445 | 2.333 | 15.8 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 25,000 | 40,500 | 32,094 | 33,600 | 22,714,338 | 4,766 | 34,112 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 14.5 | 44.8 | 24.23 | 18.6 | 121 | 11 | 29.01 | | or 95% Modified-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 411 | 878 | 598.8 | 585 | 10,241 | 101.2 | 641.7 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 51.1 | 59.2 | 55.15 | 55.15 | 32.81 | 5.728 | 59.2 | | Max Detect |
| 2114 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,600 | 19,600 | 19,600 | 19,600 | N/A | N/A | 19,600 | | Max Detect |
| Arsenic | mg/kg | 20 | 20 | 100% | N/A | N/A | 13.1 | 28 | 19.48 | 18.3 | 21.39 | 4.625 | 21.29 | | or 95% Modified-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.4 | 9.4 | 9.4 | 9.4 | N/A | N/A | 9.4 | | Max Detect |
| Iron | mg/kg | 20 | 20 | 100% | N/A | N/A | 24,400 | 47,400 | 38,000 | 39,050 | 47,205,263 | 6,871 | 40,656 | | 95% Student's-t UCL |
| Manganese | mg/kg | 20 | 20 | 100% | N/A | N/A | 406 | 886 | 656.8 | 678 | 11,994 | 109.5 | 699.1 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 59.4 | 59.4 | 59.4 | 59.4 | N/A | N/A | 59.4 | | Max Detect |
| 2115 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,100 | 20,100 | 20,100 | 20,100 | N/A | N/A | 20,100 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 14.2 | 123 | 56.68 | 56.1 | 801.6 | 28.31 | 68.66 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.9 | 13.9 | 13.9 | 13.9 | N/A | N/A | 13.9 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 28,900 | 41,700 | 36,194 | 36,400 | 13,680,588 | 3,699 | 37,760 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 19.3 | 179 | 53.35 | 44.8 | 1,454 | 38.14 | 72.41 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 484 | 902 | 689.9 | 694 | 9,968 | 99.84 | 732.2 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 79 | 79 | 79 | 79 | N/A | N/A | 79 | | Max Detect |
| 2116 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 14,800 | 18,500 | 17,033 | 17,800 | 3,863,333 | 1,966 | 18,500 | | Max Detect |
| Arsenic | mg/kg | 23 | 22 | 96% | 13.1 | 13.1 | 22.3 | 104 | 57.64 | 55.8 | 582.2 | 24.13 | 64.79 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 11.7 | 14.4 | 13.1 | 13.2 | 1.83 | 1.353 | 14.4 | | Max Detect |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 24,700 | 46,000 | 37,661 | 39,200 | 32,954,308 | 5,741 | 39,716 | | 95% Student's-t UCL |
| Lead | mg/kg | 23 | 23 | 100% | N/A | N/A | 9.38 | 66.4 | 37.14 | 36.1 | 267.4 | 16.35 | 42.99 | | 95% Student's-t UCL |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 489 | 986 | 676.7 | 658 | 14,858 | 121.9 | 720.3 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 53.8 | 77.4 | 63.5 | 59.3 | 152.5 | 12.35 | 77.4 | | Max Detect |
| 2117 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 14,600 | 21,700 | 18,150 | 18,150 | 25,205,000 | 5,020 | 21,700 | | Max Detect |
| Arsenic | mg/kg | 23 | 23 | 100% | N/A | N/A | 14.2 | 91.6 | 46.75 | 53.9 | 467 | 21.61 | 54.49 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11.7 | 12.5 | 12.1 | 12.1 | 0.32 | 0.566 | 12.5 | | Max Detect |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 29,200 | 72,400 | 40,200 | 37,900 | 78,770,000 | 8,875 | 43,378 | | 95% Student's-t UCL |
| Lead | mg/kg | 23 | 23 | 100% | N/A | N/A | 8.3 | 65.5 | 36.13 | 38.2 | 272.6 | 16.51 | 42.05 | | 95% Student's-t UCL |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 464 | 3,610 | 828.7 | 682 | 389,256 | 623.9 | 1,072 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 39.2 | 54.6 | 46.9 | 46.9 | 118.6 | 10.89 | 54.6 | | Max Detect |
| 2118 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 4 | 4 | 100% | N/A | N/A | 12,600 | 18,600 | 15,850 | 16,100 | 9,023,333 | 3,004 | 18,600 | | Max Detect |
| Arsenic | mg/kg | 29 | 27 | 93% | 13.1 | 13.1 | 9.98 | 72.8 | 35.4 | 36.1 | 236.7 | 15.38 | 38.77 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 4 | 4 | 100% | N/A | N/A | 11.2 | 15.1 | 13.5 | 13.85 | 3.3 | 1.817 | 15.1 | | Max Detect |
| Iron | mg/kg | 25 | 25 | 100% | N/A | N/A | 24,700 | 48,300 | 34,836 | 34,100 | 28,662,400 | 5,354 | 36,668 | | 95% Student's-t UCL |
| Lead | mg/kg | 29 | 29 | 100% | N/A | N/A | 9.28 | 52.4 | 28.74 | 29.4 | 151 | 12.29 | 32.62 | | 95% Student's-t UCL |
| Manganese | mg/kg | 25 | 25 | 100% | N/A | N/A | 558 | 1,190 | 758.3 | 758 | 17,207 | 131.2 | 805.7 | | 95% Adjusted Gamma UCL |
| Vanadium | mg/kg | 4 | 4 | 100% | N/A | N/A | 35.8 | 54.4 | 46.23 | 47.35 | 67.28 | 8.203 | 54.4 | | Max Detect |
| 2119A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 14,500 | 20,700 | 16,767 | 15,100 | 11,693,333 | 3,420 | 20,700 | | Max Detect |
| Arsenic | mg/kg | 27 | 27 | 100% | N/A | N/A | 15.4 | 94.9 | 38.46 | 34.8 | 452.6 | 21.27 | 45.44 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 9.6 | 12.3 | 11 | 11.1 | 1.83 | 1.353 | 12.3 | | Max Detect |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 24,000 | 41,300 | 30,726 | 29,800 | 22,675,840 | 4,762 | 32,289 | | 95% Student's-t UCL |
| Lead | mg/kg | 27 | 27 | 100% | N/A | N/A | 10.3 | 84.7 | 31.27 | 22.9 | 348.2 | 18.66 | 38.54 | | 95% Adjusted Gamma UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 443 | 870 | 616.9 | 607 | 9,709 | 98.54 | 649.2 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 54 | 69.1 | 62.97 | 65.8 | 63.02 | 7.939 | 69.1 | | Max Detect |
| 2119B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,500 | 21,500 | 21,500 | 21,500 | N/A | N/A | 21,500 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 18.9 | 87.2 | 54.64 | 55.3 | 300.4 | 17.33 | 61.97 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.5 | 13.5 | 13.5 | 13.5 | N/A | N/A | 13.5 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 31,400 | 72,000 | 49,388 | 50,800 | 128,700,000 | 11,345 | 54,192 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 8.17 | 53.2 | 33.6 | 34.3 | 184.5 | 13.58 | 39.35 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 550 | 982 | 770.5 | 811 | 12,745 | 112.9 | 818.3 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 93.3 | 93.3 | 93.3 | 93.3 | N/A | N/A | 93.3 | | Max Detect |
| 212 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,700 | 15,600 | 13,920 | 13,900 | 728,444 | 853.5 | 14,415 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.8 | 16.1 | 12.31 | 11.95 | 3.817 | 1.954 | 13.44 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.5 | 10.8 | 9.7 | 9.75 | 0.378 | 0.615 | 10.06 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,600 | 22,400 | 20,560 | 20,450 | 949,333 | 974.3 | 21,125 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 494 | 683 | 599.2 | 599.5 | 3,230 | 56.83 | 632.1 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 9 | 90% | 3 | 3 | 0.24 | 0.45 | 0.354 | 0.35 | 0.00513 | 0.0716 | 0.398 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 34.2 | 43.3 | 37.82 | 37.5 | 6.417 | 2.533 | 39.29 | | 95% Student's-t UCL |
| 213 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 7,790 | 14,500 | 11,577 | 12,100 | 5,406,046 | 2,325 | 12,925 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 19.1 | 66.4 | 38.48 | 35 | 310.9 | 17.63 | 48.7 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.6 | 13.8 | 10.99 | 10.7 | 4.972 | 2.23 | 12.28 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,100 | 27,000 | 21,080 | 20,750 | 15,601,778 | 3,950 | 23,370 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 48.4 | 343 | 147.6 | 143.5 | 7,885 | 88.8 | 199.1 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 383 | 1,450 | 849.8 | 857 | 111,648 | 334.1 | 1,043 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 1 | 10% | 2.5 | 2.8 | 0.2 | 0.2 | 0.2 | 0.2 | N/A | N/A | 0.2 | | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 29.5 | 46.6 | 39.56 | 39.85 | 33.32 | 5.773 | 42.91 | | 95% Student's-t UCL |
| 214A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 5 | 5 | 100% | N/A | N/A | 8,670 | 15,700 | 12,434 | 11,800 | 7,594,280 | 2,756 | 15,061 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 23.4 | 61.7 | 37.09 | 35.55 | 116.7 | 10.8 | 42.2 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 5 | 5 | 100% | N/A | N/A | 8.9 | 14.1 | 11.62 | 11 | 4.357 | 2.087 | 13.61 | | 95% Student's-t UCL |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 16,000 | 37,000 | 26,700 | 27,150 | 30,369,231 | 5,511 | 29,308 | | 95% Student's-t UCL |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 12.5 | 261 | 79.84 | 63.7 | 4,088 | 63.94 | 124.9 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 499 | 1,000 | 652.6 | 638.5 | 13,570 | 116.5 | 707.7 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 5 | 5 | 100% | N/A | N/A | 26.5 | 63.6 | 41.66 | 37.5 | 196.2 | 14.01 | 55.02 | | 95% Student's-t UCL |
| 214B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 7 | 7 | 100% | N/A | N/A | 11,800 | 19,200 | 13,957 | 13,600 | 6,212,857 | 2,493 | 15,788 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 17 | 93.8 | 40.91 | 39.25 | 408.7 | 20.22 | 50.48 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 7 | 7 | 100% | N/A | N/A | 11.3 | 14.5 | 12.8 | 12.9 | 1.137 | 1.066 | 13.58 | | 95% Student's-t UCL |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 18,100 | 31,400 | 25,993 | 27,800 | 23,505,330 | 4,848 | 28,288 | | 95% Student's-t UCL |
| Lead | mg/kg | 14 | 13 | 93% | 7 | 7 | 7 | 274 | 114.2 | 93.4 | 9,192 | 95.88 | 152.4 | | 95% KM (t) UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 435 | 944 | 689.5 | 693.5 | 14,722 | 121.3 | 746.9 | | 95% Student's-t UCL |
| Selenium | mg/kg | 7 | 5 | 71% | 3.6 | 3.9 | 0.46 | 45.8 | 9.8 | 0.99 | 405.1 | 20.13 | 45.8 | | Max Detect |
| Vanadium | mg/kg | 7 | 7 | 100% | N/A | N/A | 34.6 | 67.2 | 44.14 | 41.8 | 117.3 | 10.83 | 52.1 | | 95% Student's-t UCL |
| 215A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 9,210 | 15,800 | 12,505 | 12,505 | 21,714,050 | 4,660 | 15,800 | | Max Detect |
| Arsenic | mg/kg | 13 | 13 | 100% | N/A | N/A | 17.7 | 59.5 | 36.3 | 33.7 | 146.8 | 12.11 | 42.29 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 9.7 | 11.9 | 10.8 | 10.8 | 2.42 | 1.556 | 11.9 | | Max Detect |
| Iron | mg/kg | 13 | 13 | 100% | N/A | N/A | 16,700 | 34,000 | 28,738 | 29,500 | 19,937,564 | 4,465 | 30,946 | | 95% Student's-t UCL |
| Lead | mg/kg | 13 | 13 | 100% | N/A | N/A | 25.8 | 113 | 51.73 | 44.8 | 664.5 | 25.78 | 64.47 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|-----------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 13 | 13 | 100% | N/A | N/A | 446 | 846 | 614.7 | 627 | 10,680 | 103.3 | 665.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 32.2 | 71.6 | 51.9 | 51.9 | 776.2 | 27.86 | 71.6 | | Max Detect |
| 215B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 15,400 | 26,000 | 20,700 | 20,700 | 56,180,000 | 7,495 | 26,000 | | Max Detect |
| Arsenic | mg/kg | 16 | 16 | 100% | N/A | N/A | 28 | 83.7 | 50.44 | 48.3 | 268.2 | 16.38 | 57.61 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11 | 17.8 | 14.4 | 14.4 | 23.12 | 4.808 | 17.8 | | Max Detect |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 21,400 | 37,600 | 28,821 | 28,000 | 19,901,813 | 4,461 | 30,933 | | 95% Student's-t UCL |
| Lead | mg/kg | 16 | 16 | 100% | N/A | N/A | 15.9 | 402 | 149.8 | 99.6 | 15,138 | 123 | 203.8 | | 95% Student's-t UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 501 | 809 | 605.9 | 593.5 | 8,372 | 91.5 | 649.2 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 50.5 | 72 | 61.25 | 61.25 | 231.1 | 15.2 | 72 | | Max Detect |
| 215C | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 6,830 | 13,100 | 9,400 | 8,780 | 4,119,289 | 2,030 | 10,577 | | 95% Student's-t UCL |
| Antimony | mg/kg | 10 | 6 | 60% | 1.2 | 6.1 | 0.97 | 13.4 | 3.578 | 1.55 | 23.58 | 4.856 | 9.425 | | 95% GROS Adjusted Gamma UCL |
| Arsenic | mg/kg | 36 | 36 | 100% | N/A | N/A | 18.2 | 991 | 250.4 | 166.5 | 48,760 | 220.8 | 323.2 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.9 | 12.7 | 9.64 | 9.55 | 3.663 | 1.914 | 10.75 | | 95% Student's-t UCL |
| Iron | mg/kg | 24 | 24 | 100% | N/A | N/A | 13,500 | 61,800 | 36,250 | 36,050 | 164,800,000 | 12,836 | 40,740 | | 95% Student's-t UCL |
| Lead | mg/kg | 36 | 36 | 100% | N/A | N/A | 23.7 | 3,080 | 402.2 | 170 | 377,685 | 614.6 | 669.9 | | 95% H-UCL |
| Manganese | mg/kg | 24 | 24 | 100% | N/A | N/A | 306 | 754 | 528.7 | 543.5 | 14,255 | 119.4 | 570.5 | | 95% Student's-t UCL |
| Mercury | mg/kg | 8 | 7 | 88% | 0.031 | 0.031 | 0.11 | 4.1 | 1.096 | 0.52 | 2.042 | 1.429 | 1.894 | | 95% KM (t) UCL |
| Thallium | mg/kg | 10 | 7 | 70% | 0.022 | 2.6 | 0.065 | 0.79 | 0.276 | 0.2 | 0.0567 | 0.238 | 0.401 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 24.7 | 72.8 | 43.34 | 43.2 | 222.5 | 14.92 | 51.99 | | 95% Student's-t UCL |
| 216 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,390 | 13,700 | 11,789 | 11,800 | 1,479,654 | 1,216 | 12,494 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11 | 31.9 | 16.21 | 14.15 | 38.18 | 6.179 | 19.79 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.8 | 12.2 | 10.35 | 10.35 | 1.256 | 1.121 | 11 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,200 | 22,800 | 20,630 | 20,250 | 2,340,111 | 1,530 | 21,517 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 487 | 757 | 598.4 | 572 | 9,058 | 95.17 | 653.6 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 1 | 10% | 2.5 | 2.8 | 0.33 | 0.33 | 0.33 | 0.33 | N/A | N/A | 0.33 | | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 35.6 | 50.2 | 41.06 | 41.05 | 18.07 | 4.251 | 43.52 | | 95% Student's-t UCL |
| 217 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 7,650 | 14,000 | 11,715 | 11,800 | 3,117,806 | 1,766 | 12,739 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.5 | 22.8 | 17.69 | 17.6 | 7.692 | 2.773 | 19.3 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.2 | 12.1 | 9.83 | 10 | 3.845 | 1.961 | 10.97 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,700 | 24,600 | 20,540 | 20,950 | 11,580,444 | 3,403 | 22,513 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 421 | 887 | 616 | 578 | 25,124 | 158.5 | 707.9 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 6 | 60% | 2.5 | 2.6 | 0.039 | 0.32 | 0.177 | 0.18 | 0.00872 | 0.0934 | 0.246 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 23 | 49.1 | 40.29 | 41.85 | 65.24 | 8.077 | 44.97 | | 95% Student's-t UCL |
| 218 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,340 | 13,000 | 11,554 | 11,750 | 1,176,271 | 1,085 | 12,183 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.8 | 69.6 | 24.43 | 15.7 | 380.8 | 19.51 | 35.74 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.3 | 10.2 | 9.06 | 8.95 | 0.416 | 0.645 | 9.434 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,700 | 20,800 | 17,680 | 16,950 | 3,219,556 | 1,794 | 18,720 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.9 | 202 | 55.07 | 37.25 | 3,154 | 56.16 | 87.62 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 511 | 709 | 594 | 585 | 3,727 | 61.05 | 629.4 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 6 | 60% | 2.5 | 2.8 | 0.063 | 0.25 | 0.124 | 0.0915 | 0.00556 | 0.0746 | 0.18 | | 95% KM (t) UCL |
| 219 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 7,980 | 12,500 | 11,278 | 11,350 | 1,594,173 | 1,263 | 12,010 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 6.7 | 26.5 | 16.12 | 16.6 | 28.26 | 5.316 | 19.2 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.5 | 10.9 | 9.44 | 9.45 | 1.072 | 1.035 | 10.04 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,300 | 21,800 | 18,110 | 18,300 | 2,996,556 | 1,731 | 19,113 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|-----------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 458 | 675 | 584.4 | 596 | 4,238 | 65.1 | 622.1 | 95% Student's-t UCL | |
| Thallium | mg/kg | 10 | 8 | 80% | 2.5 | 2.6 | 0.041 | 0.45 | 0.17 | 0.115 | 0.0183 | 0.135 | 0.257 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 27.2 | 39.7 | 33.41 | 34.35 | 15.11 | 3.887 | 35.66 | 95% Student's-t UCL | |
| 220 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,500 | 12,300 | 11,050 | 11,150 | 769,444 | 877.2 | 11,558 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.1 | 37 | 24.7 | 21.9 | 54.31 | 7.37 | 28.97 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.7 | 12.3 | 9.19 | 8.85 | 1.901 | 1.379 | 9.989 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,700 | 23,500 | 18,680 | 18,400 | 7,035,111 | 2,652 | 20,218 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 17.1 | 48 | 31 | 30.5 | 74.27 | 8.618 | 36 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 482 | 672 | 578.1 | 581.5 | 3,476 | 58.95 | 612.3 | 95% Student's-t UCL | |
| Thallium | mg/kg | 10 | 1 | 10% | 2.5 | 2.7 | 0.34 | 0.34 | 0.34 | 0.34 | N/A | N/A | 0.34 | Max Detect | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 25.8 | 47.1 | 33.82 | 32.35 | 36.34 | 6.028 | 37.31 | 95% Student's-t UCL | |
| 2201 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,000 | 21,000 | 21,000 | 21,000 | N/A | N/A | 21,000 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 28 | 86.1 | 39.11 | 35.9 | 264.3 | 16.26 | 48.69 | or 95% Modified-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 15.6 | 15.6 | 15.6 | 15.6 | N/A | N/A | 15.6 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 32,400 | 48,500 | 38,991 | 39,000 | 19,398,909 | 4,404 | 41,398 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 8.17 | 75.5 | 25.74 | 16.3 | 514.3 | 22.68 | 38.14 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 633 | 878 | 715.1 | 701 | 4,908 | 70.06 | 753.4 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 76.7 | 76.7 | 76.7 | 76.7 | N/A | N/A | 76.7 | Max Detect | |
| 2202 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 10,200 | 25,800 | 18,000 | 18,000 | 121,700,000 | 11,031 | 25,800 | Max Detect | |
| Arsenic | mg/kg | 12 | 10 | 83% | 11.9 | 11.9 | 10.9 | 38.2 | 23.54 | 21.7 | 59.33 | 7.703 | 25.9 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 8.1 | 17.9 | 13 | 13 | 48.02 | 6.93 | 17.9 | Max Detect | |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 17,400 | 57,100 | 40,225 | 44,250 | 176,100,000 | 13,269 | 47,104 | 95% Student's-t UCL | |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 289 | 974 | 728 | 808 | 58,863 | 242.6 | 853.8 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 46.8 | 97.2 | 72 | 72 | 1,270 | 35.64 | 97.2 | Max Detect | |
| 2203 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 13,500 | 13,500 | 13,500 | 13,500 | N/A | N/A | 13,500 | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 11.9 | 11.9 | 23.4 | 49.8 | 30.96 | 28 | 64.18 | 8.011 | 34.46 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.7 | 10.7 | 10.7 | 10.7 | N/A | N/A | 10.7 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 29,000 | 48,600 | 44,818 | 46,300 | 30,307,636 | 5,505 | 47,827 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 441 | 870 | 724.5 | 716 | 13,225 | 115 | 787.4 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 61.5 | 61.5 | 61.5 | 61.5 | N/A | N/A | 61.5 | Max Detect | |
| 2204 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 21,100 | 22,800 | 21,950 | 21,950 | 1,445,000 | 1,202 | 22,800 | Max Detect | |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 14.3 | 28 | 22.08 | 22.3 | 15.87 | 3.984 | 23.76 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 13.3 | 13.6 | 13.45 | 13.45 | 0.045 | 0.212 | 13.6 | Max Detect | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 27,800 | 39,000 | 33,747 | 34,700 | 13,786,397 | 3,713 | 35,319 | 95% Student's-t UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 447 | 1,090 | 690.8 | 657 | 17,139 | 130.9 | 746.2 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 69 | 84 | 76.5 | 76.5 | 112.5 | 10.61 | 84 | Max Detect | |
| 2205 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,200 | 19,200 | 19,200 | 19,200 | N/A | N/A | 19,200 | Max Detect | |
| Arsenic | mg/kg | 12 | 12 | 100% | N/A | N/A | 14.2 | 109 | 51.77 | 40.7 | 1,313 | 36.24 | 70.55 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.7 | 13.7 | 13.7 | 13.7 | N/A | N/A | 13.7 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 28,500 | 48,300 | 37,009 | 37,200 | 24,246,909 | 4,924 | 39,700 | 95% Student's-t UCL | |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 14 | 73.6 | 36.41 | 30.5 | 437.9 | 20.93 | 47.26 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 500 | 902 | 680 | 666 | 16,709 | 129.3 | 750.6 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 57.6 | 57.6 | 57.6 | 57.6 | N/A | N/A | 57.6 | Max Detect | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-------------------------------|------------------|------------------------------|
| 2209 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 22,400 | 22,400 | 22,400 | 22,400 | N/A | N/A | 22,400 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 13.1 | 44.9 | 28.07 | 28 | 109.5 | 10.47 | 33.79 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.8 | 13.8 | 13.8 | 13.8 | N/A | N/A | 13.8 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,100 | 37,900 | 33,518 | 35,000 | 12,953,636 | 3,599 | 35,485 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 550 | 757 | 661.3 | 680 | 3,789 | 61.55 | 694.9 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 51.1 | 51.1 | 51.1 | 51.1 | N/A | N/A | 51.1 | Max Detect |
| 221 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 12 | 12 | 100% | N/A | N/A | 14,800 | 40,400 | 22,875 | 20,300 | 63,520,227 | 7,970 | 27,007 | 95% Student's-t UCL |
| Arsenic | mg/kg | 42 | 42 | 100% | N/A | N/A | 14.2 | 191 | 76.65 | 76.8 | 1,985 | 44.55 | 88.22 | 95% Student's-t UCL |
| Barium | mg/kg | 12 | 12 | 100% | N/A | N/A | 258 | 2,860 | 620.6 | 334 | 529,243 | 727.5 | 1,536 | 95% Chebyshev (Mean, Sd) UCL |
| Cadmium | mg/kg | 12 | 12 | 100% | N/A | N/A | 1.2 | 9.5 | 4.208 | 3.55 | 5.604 | 2.367 | 5.436 | 95% Student's-t UCL |
| Cobalt | mg/kg | 12 | 12 | 100% | N/A | N/A | 15.7 | 31.9 | 21.84 | 20.75 | 20.09 | 4.482 | 24.17 | 95% Student's-t UCL |
| Copper | mg/kg | 13 | 13 | 100% | N/A | N/A | 40.2 | 1,590 | 567.4 | N/A | N/A | 453.1 | 791.4 | 95% Student's-t UCL |
| Iron | mg/kg | 42 | 42 | 100% | N/A | N/A | 20,300 | 51,600 | 35,536 | 35,850 | 71,421,376 | 8,451 | 37,730 | 95% Student's-t UCL |
| Lead | mg/kg | 42 | 39 | 93% | 7 | 7 | 7 | 307 | 103.6 | 85.1 | 6,714 | 81.94 | 118.3 | 95% KM (t) UCL |
| Manganese | mg/kg | 42 | 42 | 100% | N/A | N/A | 553 | 3,040 | 1,046 | 906 | 234,868 | 484.6 | 1,169 | 95% Adjusted Gamma UCL |
| Thallium | mg/kg | 12 | 1 | 8% | 0.024 | 3 | 0.1 | 0.1 | 0.1 | 0.1 | N/A | N/A | 0.1 | Max Detect |
| Vanadium | mg/kg | 12 | 12 | 100% | N/A | N/A | 42.3 | 106 | 66.25 | 68.15 | 371.2 | 19.27 | 76.24 | 95% Student's-t UCL |
| 2211 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 22,200 | 22,200 | 22,200 | 22,200 | N/A | N/A | 22,200 | Max Detect |
| Arsenic | mg/kg | 12 | 12 | 100% | N/A | N/A | 21.1 | 137 | 47.13 | 34.25 | 1,119 | 33.46 | 89.23 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.9 | 11.9 | 11.9 | 11.9 | N/A | N/A | 11.9 | Max Detect |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 29,300 | 40,700 | 37,558 | 37,850 | 8,486,288 | 2,913 | 39,069 | 95% Student's-t UCL |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 13.2 | 78.2 | 30.2 | 22.9 | 381 | 19.52 | 54.76 | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 607 | 910 | 736.4 | 707.5 | 10,080 | 100.4 | 788.5 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 71.4 | 71.4 | 71.4 | 71.4 | N/A | N/A | 71.4 | Max Detect |
| 2214 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,600 | 20,600 | 20,600 | 20,600 | N/A | N/A | 20,600 | Max Detect |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 28 | 285 | 123.2 | 108 | 4,845 | 69.6 | 156.2 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 15.6 | 15.6 | 15.6 | 15.6 | N/A | N/A | 15.6 | Max Detect |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 35,700 | 54,600 | 42,486 | 39,500 | 42,553,626 | 6,523 | 45,573 | 95% Student's-t UCL |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 25.1 | 281 | 94.24 | 79.6 | 5,162 | 71.84 | 139.1 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 596 | 1,120 | 780 | 791.5 | 18,869 | 137.4 | 845 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 67.7 | 67.7 | 67.7 | 67.7 | N/A | N/A | 67.7 | Max Detect |
| 2215 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 19,700 | 19,900 | 19,800 | 19,800 | 20,000 | 141.4 | 19,900 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.4 | 832 | 116.9 | 51.6 | 56,402 | 237.5 | 429 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 12.8 | 13.7 | 13.25 | 13.25 | 0.405 | 0.636 | 13.7 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 27,500 | 56,500 | 37,082 | 34,900 | 53,687,636 | 7,327 | 41,086 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.9 | 96.2 | 43.12 | 40.9 | 525.9 | 22.93 | 55.65 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 470 | 894 | 649.4 | 657 | 14,150 | 119 | 714.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 64.9 | 67.4 | 66.15 | 66.15 | 3.125 | 1.768 | 67.4 | Max Detect |
| 2216 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,700 | 19,700 | 19,700 | 19,700 | N/A | N/A | 19,700 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 167 | 69.05 | 52.8 | 3,148 | 56.11 | 99.71 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.1 | 12.1 | 12.1 | 12.1 | N/A | N/A | 12.1 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 31,000 | 49,800 | 41,627 | 42,600 | 26,642,182 | 5,162 | 44,448 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 8.77 | 387 | 90.67 | 22.9 | 18,266 | 135.2 | 240.7 | 95% Adjusted Gamma UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|--------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 601 | 780 | 708 | 733 | 3,510 | 59.25 | 740.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 69.9 | 69.9 | 69.9 | 69.9 | N/A | N/A | 69.9 | | Max Detect |
| 222 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 12,700 | 17,200 | 14,482 | 14,100 | 2,087,636 | 1,445 | 15,271 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 25 | 25 | 100% | N/A | N/A | 15.4 | 216 | 61.97 | 45.2 | 2,949 | 54.3 | 83.13 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 9.5 | 13.4 | 11.6 | 11.7 | 1.238 | 1.113 | 12.21 | | 95% Student's-t UCL |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 48.9 | 825 | 328.2 | 316 | 57,250 | 239.3 | 459 | | 95% Student's-t UCL |
| Iron | mg/kg | 25 | 25 | 100% | N/A | N/A | 18,600 | 42,400 | 28,536 | 28,300 | 42,483,233 | 6,518 | 30,766 | | 95% Student's-t UCL |
| Lead | mg/kg | 25 | 24 | 96% | 7 | 7 | 8.77 | 9,150 | 614.5 | 221.5 | 3,392,252 | 1,842 | 2,849 | | 97.5% KM (Chebyshev) UCL |
| Manganese | mg/kg | 25 | 25 | 100% | N/A | N/A | 458 | 740 | 579.9 | 584 | 4,524 | 67.26 | 602.9 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 32.3 | 73.4 | 39.38 | 36.8 | 131.5 | 11.47 | 46.19 | | or 95% Modified-t UCL |
| 223 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 5,700 | 15,200 | 9,272 | 9,230 | 7,258,736 | 2,694 | 10,744 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 19 | 19 | 100% | N/A | N/A | 28.2 | 579 | 106.3 | 70.6 | 15,506 | 124.5 | 156.3 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 11 | 10 | 91% | 5.7 | 5.7 | 6.1 | 12.1 | 9.37 | 9.45 | 2.631 | 1.622 | 10.08 | | 95% KM (t) UCL |
| Iron | mg/kg | 19 | 19 | 100% | N/A | N/A | 11,700 | 37,900 | 24,800 | 23,800 | 64,223,333 | 8,014 | 27,988 | | 95% Student's-t UCL |
| Lead | mg/kg | 19 | 19 | 100% | N/A | N/A | 21.4 | 456 | 183.9 | 122 | 15,070 | 122.8 | 253 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 19 | 19 | 100% | N/A | N/A | 298 | 790 | 558.8 | 564 | 20,687 | 143.8 | 616 | | 95% Student's-t UCL |
| Thallium | mg/kg | 11 | 1 | 9% | 0.022 | 3.1 | 0.26 | 0.26 | 0.26 | 0.26 | N/A | N/A | 0.26 | | Max Detect |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 21.1 | 66.4 | 35.03 | 33.5 | 156.1 | 12.49 | 41.85 | | 95% Student's-t UCL |
| 224 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 12 | 12 | 100% | N/A | N/A | 5,880 | 19,400 | 9,991 | 9,295 | 15,541,245 | 3,942 | 12,035 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 21 | 21 | 100% | N/A | N/A | 12.9 | 86.5 | 42.25 | 42.7 | 388.2 | 19.7 | 49.67 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 12 | 12 | 100% | N/A | N/A | 6.7 | 16.4 | 10.38 | 9.8 | 6.227 | 2.495 | 11.68 | | 95% Student's-t UCL |
| Iron | mg/kg | 21 | 21 | 100% | N/A | N/A | 13,300 | 42,500 | 26,114 | 23,500 | 87,447,286 | 9,351 | 29,634 | | 95% Student's-t UCL |
| Lead | mg/kg | 21 | 21 | 100% | N/A | N/A | 13.8 | 185 | 71.34 | 58.6 | 2,261 | 47.55 | 89.24 | | 95% Student's-t UCL |
| Manganese | mg/kg | 21 | 21 | 100% | N/A | N/A | 456 | 769 | 634.1 | 631 | 5,436 | 73.73 | 661.8 | | 95% Student's-t UCL |
| Thallium | mg/kg | 12 | 5 | 42% | 0.022 | 2.5 | 0.049 | 0.33 | 0.129 | 0.073 | 0.0133 | 0.116 | 0.195 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 12 | 12 | 100% | N/A | N/A | 23.4 | 82.6 | 35.88 | 33.1 | 259.1 | 16.1 | 45.51 | | 95% Adjusted Gamma UCL |
| 225A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 7 | 7 | 100% | N/A | N/A | 7,070 | 12,600 | 9,136 | 8,850 | 4,108,162 | 2,027 | 10,624 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 25 | 25 | 100% | N/A | N/A | 21.9 | 181 | 83.41 | 72.6 | 2,076 | 45.56 | 99 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 7 | 7 | 100% | N/A | N/A | 6.1 | 13.8 | 9.729 | 10.6 | 6.929 | 2.632 | 11.66 | | 95% Student's-t UCL |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 18,100 | 48,900 | 36,952 | 40,300 | 121,200,000 | 11,010 | 40,894 | | 95% Student's-t UCL |
| Lead | mg/kg | 25 | 25 | 100% | N/A | N/A | 17.3 | 351 | 100.7 | 72.1 | 6,720 | 81.97 | 134.3 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 362 | 769 | 619.3 | 651 | 11,104 | 105.4 | 657 | | 95% Student's-t UCL |
| Thallium | mg/kg | 7 | 4 | 57% | 0.022 | 2.8 | 0.04 | 0.3 | 0.134 | 0.0975 | 0.0149 | 0.122 | 0.216 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 7 | 7 | 100% | N/A | N/A | 25.5 | 97.2 | 41.86 | 31.4 | 631.8 | 25.14 | 60.32 | | 95% Student's-t UCL |
| 225C | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 4 | 4 | 100% | N/A | N/A | 8,740 | 11,900 | 10,063 | 9,805 | 1,754,025 | 1,324 | 11,621 | | 95% Student's-t UCL |
| Antimony | mg/kg | 4 | 1 | 25% | 0.15 | 2.3 | 3.4 | 3.4 | 3.4 | 3.4 | N/A | N/A | 3.4 | | Max Detect |
| Arsenic | mg/kg | 18 | 18 | 100% | N/A | N/A | 38.8 | 342 | 132.1 | 124.5 | 4,165 | 64.53 | 158.6 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 4 | 4 | 100% | N/A | N/A | 9.9 | 13 | 11.13 | 10.8 | 2.283 | 1.511 | 12.9 | | 95% Student's-t UCL |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 23,100 | 52,600 | 39,529 | 42,100 | 101,700,000 | 10,087 | 44,303 | | 95% Student's-t UCL |
| Lead | mg/kg | 18 | 18 | 100% | N/A | N/A | 65.3 | 586 | 167.2 | 128.5 | 15,352 | 123.9 | 218 | | 95% Student's-t UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 486 | 910 | 667.4 | 671.5 | 13,885 | 117.8 | 723.2 | | 95% Student's-t UCL |
| Thallium | mg/kg | 4 | 1 | 25% | 0.022 | 3.5 | 0.22 | 0.22 | 0.22 | 0.22 | N/A | N/A | 0.22 | | Max Detect |
| Vanadium | mg/kg | 4 | 4 | 100% | N/A | N/A | 36 | 52.1 | 44.7 | 45.35 | 68.17 | 8.256 | 52.1 | | Max Detect |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|--------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-------------------------------|------------------|------------------------------|
| 226 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,420 | 12,200 | 10,204 | 9,800 | 1,576,182 | 1,255 | 10,932 | 95% Student's-t UCL |
| Antimony | mg/kg | 11 | 11 | 100% | N/A | N/A | 0.59 | 5 | 2.225 | 1.4 | 2.45 | 1.565 | 3.081 | 95% Student's-t UCL |
| Arsenic | mg/kg | 20 | 20 | 100% | N/A | N/A | 20 | 618 | 209.4 | 166 | 27,338 | 165.3 | 273.3 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.4 | 12.3 | 10.08 | 10.6 | 3.093 | 1.759 | 11.1 | 95% Student's-t UCL |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 28.5 | 496 | 101.2 | 55.6 | 17,827 | 133.5 | 276.7 | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 16 | 16 | 100% | N/A | N/A | 19,800 | 44,600 | 30,456 | 28,850 | 49,650,625 | 7,046 | 33,544 | 95% Student's-t UCL |
| Lead | mg/kg | 20 | 20 | 100% | N/A | N/A | 15.9 | 904 | 308.1 | 231.5 | 67,032 | 258.9 | 408.2 | 95% Student's-t UCL |
| Manganese | mg/kg | 16 | 16 | 100% | N/A | N/A | 273 | 631 | 502.7 | 530 | 12,592 | 112.2 | 551.9 | 95% Student's-t UCL |
| Mercury | mg/kg | 11 | 11 | 100% | N/A | N/A | 0.2 | 3.9 | 1.555 | 0.72 | 1.795 | 1.34 | 2.287 | 95% Student's-t UCL |
| Sulfate | mg/kg | 1 | 1 | 100% | N/A | N/A | 4,200 | 4,200 | 4,200 | 4,200 | N/A | N/A | 4,200 | Max Detect |
| Thallium | mg/kg | 11 | 2 | 18% | 2.5 | 3.3 | 0.47 | 1.5 | 0.985 | 0.985 | 0.53 | 0.728 | 1.5 | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 32.4 | 46.7 | 40.46 | 41 | 25.82 | 5.081 | 43.41 | 95% Student's-t UCL |
| 227 and 70J | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,100 | 16,900 | 14,440 | 14,750 | 4,284,889 | 2,070 | 15,640 | 95% Student's-t UCL |
| Antimony | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.25 | 4 | 0.908 | 0.605 | 1.242 | 1.115 | 1.792 | 95% Adjusted Gamma UCL |
| Arsenic | mg/kg | 41 | 29 | 71% | 40.4 | 40.4 | 29.7 | 667 | 133.1 | 56.1 | 28,859 | 169.9 | 138.1 | 95% KM (BCA) UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.9 | 15.3 | 13.75 | 14.05 | 2.878 | 1.697 | 14.73 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,600 | 41,500 | 26,510 | 25,400 | 38,983,222 | 6,244 | 30,129 | 95% Student's-t UCL |
| Lead | mg/kg | 41 | 39 | 95% | 31.2 | 31.2 | 31.9 | 1,270 | 159.1 | 90.4 | 48,114 | 219.3 | 299.7 | 95% KM (Chebyshev) UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 721 | 1,610 | 1,302 | 1,325 | 72,733 | 269.7 | 1,458 | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 1 | 10% | 2.5 | 2.7 | 0.44 | 0.44 | 0.44 | 0.44 | N/A | N/A | 0.44 | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 38.8 | 56.2 | 50.82 | 52.45 | 25.68 | 5.067 | 53.76 | 95% Student's-t UCL |
| 228 and 55J | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 7,490 | 13,900 | 10,346 | 9,720 | 4,538,625 | 2,130 | 11,511 | 95% Student's-t UCL |
| Arsenic | mg/kg | 28 | 13 | 46% | 40.4 | 40.4 | 6.3 | 134 | 30.32 | 18 | 1,153 | 33.95 | 32.7 | 95% KM (% Bootstrap) UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 7.8 | 15 | 9.727 | 9.3 | 3.446 | 1.856 | 10.82 | or 95% Modified-t UCL |
| Cyanide | mg/kg | 10 | 6 | 60% | 2.5 | 2.6 | 0.18 | 2.5 | 1.097 | 1.005 | 0.76 | 0.872 | 1.604 | 95% KM (t) UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 13,700 | 30,900 | 17,191 | 15,800 | 22,842,909 | 4,779 | 20,002 | or 95% Modified-t UCL |
| Lead | mg/kg | 28 | 26 | 93% | 31.2 | 31.2 | 15.6 | 430 | 84.2 | 68.2 | 5,846 | 76.46 | 113.9 | 95% GROS Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 445 | 907 | 668.7 | 672 | 18,017 | 134.2 | 742.1 | 95% Student's-t UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 24.8 | 53.7 | 33.09 | 31.5 | 55.86 | 7.474 | 37.9 | 95% Adjusted Gamma UCL |
| 229 and 36W | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 25 | 25 | 100% | N/A | N/A | 7,460 | 15,700 | 10,518 | 10,400 | 4,388,894 | 2,095 | 11,234 | 95% Student's-t UCL |
| Antimony | mg/kg | 25 | 18 | 72% | 0.51 | 1.7 | 0.94 | 48.6 | 14.27 | 11.4 | 149.7 | 12.23 | 14.6 | 95% KM (t) UCL |
| Arsenic | mg/kg | 49 | 29 | 59% | 40.4 | 40.4 | 13.8 | 905 | 200 | 101 | 46,835 | 216.4 | 216.5 | 95% GROS Adjusted Gamma UCL |
| Cadmium | mg/kg | 25 | 25 | 100% | N/A | N/A | 0.79 | 21.2 | 7.64 | 6 | 33.55 | 5.792 | 9.622 | 95% Student's-t UCL |
| Cobalt | mg/kg | 25 | 25 | 100% | N/A | N/A | 5.7 | 16 | 11.58 | 11.8 | 5.994 | 2.448 | 12.41 | 95% Student's-t UCL |
| Iron | mg/kg | 25 | 25 | 100% | N/A | N/A | 14,000 | 48,800 | 30,016 | 32,700 | 82,639,733 | 9,091 | 33,127 | 95% Student's-t UCL |
| Lead | mg/kg | 49 | 38 | 78% | 31.2 | 31.2 | 25.4 | 3,330 | 604.6 | 261.5 | 568,341 | 753.9 | 915.2 | 95% KM (Chebyshev) UCL |
| Manganese | mg/kg | 25 | 25 | 100% | N/A | N/A | 306 | 1,660 | 759 | 684 | 98,735 | 314.2 | 866.5 | 95% Student's-t UCL |
| Mercury | mg/kg | 25 | 25 | 100% | N/A | N/A | 0.072 | 9.5 | 2.141 | 0.78 | 6.232 | 2.496 | 3.392 | 95% Adjusted Gamma UCL |
| Vanadium | mg/kg | 25 | 25 | 100% | N/A | N/A | 25.5 | 61.5 | 40.19 | 38.7 | 75.35 | 8.681 | 43.16 | 95% Student's-t UCL |
| Zinc | mg/kg | 25 | 25 | 100% | N/A | N/A | 86.3 | 6,000 | 1,698 | 1,260 | 2,306,451 | 1,519 | 2,428 | 95% Adjusted Gamma UCL |
| 230 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 9 | 9 | 100% | N/A | N/A | 8,140 | 22,000 | 11,400 | 9,650 | 18,616,625 | 4,315 | 14,074 | 95% Student's-t UCL |
| Arsenic | mg/kg | 19 | 19 | 100% | N/A | N/A | 11.9 | 98.2 | 31.43 | 24.8 | 402.6 | 20.07 | 39.41 | 95% Student's-t UCL |
| Cobalt | mg/kg | 9 | 9 | 100% | N/A | N/A | 7.2 | 12.4 | 10.07 | 10 | 3.143 | 1.773 | 11.17 | 95% Student's-t UCL |
| Iron | mg/kg | 19 | 19 | 100% | N/A | N/A | 13,800 | 52,100 | 26,926 | 29,100 | 112,100,000 | 10,589 | 31,139 | 95% Student's-t UCL |
| Lead | mg/kg | 19 | 19 | 100% | N/A | N/A | 12.8 | 94.2 | 58.42 | 61.9 | 510.4 | 22.59 | 67.4 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|-----------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 19 | 19 | 100% | N/A | N/A | 395 | 1,290 | 647.6 | 601 | 34,385 | 185.4 | 725.3 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 9 | 9 | 100% | N/A | N/A | 24.9 | 65.2 | 33.12 | 29.6 | 156.9 | 12.53 | 41.48 | | or 95% Modified-t UCL |
| 2304 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 16,600 | 16,600 | 16,600 | 16,600 | N/A | N/A | 16,600 | | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 11.9 | 11.9 | 11.6 | 41.6 | 18.23 | 17.15 | 76.34 | 8.738 | 28.89 | | 95% KM (Chebyshev) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 7.9 | 7.9 | 7.9 | 7.9 | N/A | N/A | 7.9 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,400 | 49,000 | 35,300 | 33,900 | 56,682,000 | 7,529 | 39,414 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 8.77 | 44.8 | 15.47 | 13.2 | 100.7 | 10.04 | 21.4 | | or 95% Modified-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 478 | 821 | 590.5 | 583 | 10,219 | 101.1 | 645.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 41.1 | 41.1 | 41.1 | 41.1 | N/A | N/A | 41.1 | | Max Detect |
| 2305 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,600 | 19,600 | 19,600 | 19,600 | N/A | N/A | 19,600 | | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 25.7 | 25.7 | 13.1 | 46 | 21.71 | 17.7 | 106.1 | 10.3 | 26.85 | | 95% KM (Percentile Bootstrap) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.9 | 10.9 | 10.9 | 10.9 | N/A | N/A | 10.9 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,700 | 34,800 | 28,536 | 28,300 | 8,788,545 | 2,965 | 30,156 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 13.7 | 51.5 | 22.85 | 18.6 | 134.8 | 11.61 | 31.04 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 438 | 677 | 532.1 | 510 | 4,294 | 65.53 | 567.9 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 57.5 | 57.5 | 57.5 | 57.5 | N/A | N/A | 57.5 | | Max Detect |
| 2307 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 16,400 | 16,400 | 16,400 | 16,400 | N/A | N/A | 16,400 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 13 | 26.9 | 20.31 | 20 | 18.53 | 4.305 | 22.66 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.2 | 10.2 | 10.2 | 10.2 | N/A | N/A | 10.2 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,000 | 34,100 | 28,764 | 30,000 | 9,808,545 | 3,132 | 30,475 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 429 | 642 | 548.9 | 553 | 3,210 | 56.66 | 579.9 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 48.7 | 48.7 | 48.7 | 48.7 | N/A | N/A | 48.7 | | Max Detect |
| 2308 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 24,300 | 24,300 | 24,300 | 24,300 | N/A | N/A | 24,300 | | Max Detect |
| Arsenic | mg/kg | 11 | 9 | 82% | 13.1 | 13.1 | 14.2 | 58.3 | 27.12 | 20 | 196.2 | 14.01 | 32.17 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 31.5 | 31.5 | 31.5 | 31.5 | N/A | N/A | 31.5 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 28,100 | 52,800 | 33,845 | 29,400 | 71,884,727 | 8,478 | 38,707 | | or 95% Modified-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 501 | 1,130 | 742.4 | 770 | 31,263 | 176.8 | 839 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 192 | 192 | 192 | 192 | N/A | N/A | 192 | | Max Detect |
| 231 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,310 | 13,100 | 11,301 | 11,400 | 1,320,010 | 1,149 | 11,967 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 16 | 30.2 | 22.54 | 22.15 | 28.71 | 5.358 | 25.65 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.7 | 12.4 | 10.53 | 10.45 | 1.093 | 1.046 | 11.14 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,700 | 21,600 | 19,160 | 19,050 | 2,807,111 | 1,675 | 20,131 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 28.6 | 150 | 74.63 | 77.05 | 1,325 | 36.4 | 95.73 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 523 | 680 | 589.6 | 595 | 2,839 | 53.29 | 620.5 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31.1 | 46.5 | 38.46 | 38.05 | 22.87 | 4.782 | 41.23 | | 95% Student's-t UCL |
| 2310 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 17,100 | 21,900 | 19,500 | 19,500 | 11,520,000 | 3,394 | 21,900 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 12.1 | 21.1 | 16.79 | 15.4 | 9.939 | 3.153 | 18.51 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11 | 11.5 | 11.25 | 11.25 | 0.125 | 0.354 | 11.5 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,400 | 41,800 | 34,191 | 32,700 | 38,204,909 | 6,181 | 37,569 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 510 | 671 | 594.8 | 610 | 2,449 | 49.49 | 621.9 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 48.3 | 51.1 | 49.7 | 49.7 | 3.92 | 1.98 | 51.1 | | Max Detect |
| 2311 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,200 | 17,200 | 17,200 | 17,200 | N/A | N/A | 17,200 | | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 15.4 | 40.4 | 24.72 | 24 | 61.44 | 7.838 | 28.18 | | 95% KM (t) UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.3 | 11.3 | 11.3 | 11.3 | N/A | N/A | N/A | 11.3 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,400 | 39,500 | 29,991 | 27,800 | 22,432,909 | 4,736 | 32,579 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 482 | 910 | 667.3 | 644 | 14,003 | 118.3 | 731.9 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 50.3 | 50.3 | 50.3 | 50.3 | N/A | N/A | 50.3 | Max Detect | |
| 2312 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,200 | 20,200 | 20,200 | 20,200 | N/A | N/A | 20,200 | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 16.1 | 56.1 | 23.57 | 20.55 | 134.2 | 11.58 | 37.72 | 95% KM (Chebyshev) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.8 | 10.8 | 10.8 | 10.8 | N/A | N/A | 10.8 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,700 | 88,300 | 34,645 | 30,300 | 320,800,000 | 17,910 | 45,312 | or 95% Modified-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 473 | 2,420 | 713 | 519 | 324,827 | 569.9 | 1,052 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 50.5 | 50.5 | 50.5 | 50.5 | N/A | N/A | 50.5 | Max Detect | |
| 2313 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,600 | 20,600 | 20,600 | 20,600 | N/A | N/A | 20,600 | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 15.4 | 48.3 | 24.78 | 18.9 | 157 | 12.53 | 40.1 | 95% KM (Chebyshev) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.4 | 10.4 | 10.4 | 10.4 | N/A | N/A | 10.4 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,700 | 76,300 | 32,545 | 28,100 | 214,200,000 | 14,637 | 41,258 | or 95% Modified-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 12.5 | 55.8 | 22.72 | 20 | 142 | 11.92 | 30.73 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 429 | 1,630 | 604.6 | 487 | 118,566 | 344.3 | 809.3 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 40.5 | 40.5 | 40.5 | 40.5 | N/A | N/A | 40.5 | Max Detect | |
| 2314 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,900 | 18,900 | 18,900 | 18,900 | N/A | N/A | 18,900 | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 14.2 | 125 | 28.37 | 18.3 | 1,159 | 34.04 | 70.07 | 95% KM (Chebyshev) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.7 | 8.7 | 8.7 | 8.7 | N/A | N/A | 8.7 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,400 | 82,800 | 33,191 | 28,400 | 273,600,000 | 16,542 | 43,046 | 95% Modified-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 496 | 5,050 | 974.9 | 538 | 1,837,390 | 1,356 | 2,756 | 95% Chebyshev (Mean, Sd) UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 44 | 44 | 44 | 44 | N/A | N/A | 44 | Max Detect | |
| 2315 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 19,800 | 21,400 | 20,600 | 20,600 | 1,280,000 | 1,131 | 21,400 | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 14.2 | 39.3 | 24.36 | 22.85 | 80.89 | 8.994 | 28.38 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11 | 12.9 | 11.95 | 11.95 | 1.805 | 1.344 | 12.9 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,100 | 69,800 | 37,527 | 31,000 | 257,400,000 | 16,043 | 46,673 | or 95% Modified-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 465 | 1,190 | 691.5 | 572 | 69,439 | 263.5 | 835.5 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 48.6 | 53.2 | 50.9 | 50.9 | 10.58 | 3.253 | 53.2 | Max Detect | |
| 2316 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,500 | 18,500 | 18,500 | 18,500 | N/A | N/A | 18,500 | Max Detect | |
| Arsenic | mg/kg | 11 | 9 | 82% | 13.1 | 13.1 | 10.7 | 34.8 | 21.26 | 18.9 | 59.46 | 7.711 | 23.82 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.9 | 8.9 | 8.9 | 8.9 | N/A | N/A | 8.9 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,600 | 64,200 | 34,945 | 27,800 | 221,600,000 | 14,887 | 43,399 | or 95% Modified-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 426 | 1,190 | 659.5 | 534 | 72,883 | 270 | 851.5 | 95% Adjusted Gamma UCL | |
| 2317 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 16,000 | 16,000 | 16,000 | 16,000 | N/A | N/A | 16,000 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 14.2 | 25.7 | 18.59 | 18.9 | 14.84 | 3.853 | 20.7 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.9 | 9.9 | 9.9 | 9.9 | N/A | N/A | 9.9 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,800 | 34,600 | 29,964 | 29,700 | 13,466,545 | 3,670 | 31,969 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 441 | 654 | 530.2 | 525 | 5,021 | 70.86 | 568.9 | 95% Student's-t UCL | |
| 2318 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,300 | 19,300 | 19,300 | 19,300 | N/A | N/A | 19,300 | Max Detect | |
| Arsenic | mg/kg | 11 | 9 | 82% | 25.7 | 25.7 | 15.4 | 28 | 20.53 | 20 | 20.07 | 4.48 | 22.69 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.9 | 10.9 | 10.9 | 10.9 | N/A | N/A | 10.9 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 21,100 | 35,300 | 27,918 | 27,500 | 14,041,636 | 3,747 | 29,966 | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 9.38 | 47.3 | 26.1 | 22.2 | 121.6 | 11.03 | 32.12 | 32.12 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 367 | 713 | 536.9 | 555 | 8,955 | 94.63 | 588.6 | 588.6 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 49.4 | 49.4 | 49.4 | 49.4 | N/A | N/A | 49.4 | 49.4 | Max Detect |
| 2319A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 19,400 | 24,200 | 21,800 | 21,800 | 11,520,000 | 3,394 | 24,200 | 24,200 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 144 | 41.58 | 32.5 | 1,286 | 35.86 | 65.72 | 65.72 | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 14.1 | 32.4 | 23.25 | 23.25 | 167.4 | 12.94 | 32.4 | 32.4 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,000 | 57,900 | 36,764 | 35,000 | 86,170,545 | 9,283 | 41,836 | 41,836 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 10 | 91% | 16.5 | 16.5 | 8.77 | 45.8 | 22.29 | 21.1 | 133.8 | 11.57 | 27.53 | 27.53 | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 455 | 942 | 636.8 | 586 | 27,369 | 165.4 | 727.2 | 727.2 | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 69 | 126 | 97.5 | 97.5 | 1,625 | 40.31 | 126 | 126 | Max Detect |
| 232 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 10,200 | 17,900 | 12,209 | 11,800 | 4,578,909 | 2,140 | 13,449 | 13,449 | or 95% Modified-t UCL |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 8.8 | 48.3 | 22.46 | 18.4 | 131.8 | 11.48 | 27.9 | 27.9 | 95% Student's-t UCL |
| Chromium | mg/kg | 11 | 11 | 100% | N/A | N/A | 9.5 | 26.8 | 14.73 | 13.9 | 19.89 | 4.46 | 17.16 | 17.16 | 95% Student's-t UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 8.9 | 12.2 | 10.53 | 10.6 | 0.672 | 0.82 | 10.98 | 10.98 | 95% Student's-t UCL |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 26.4 | 1,640 | 219.3 | 69.8 | 224,728 | 474.1 | 842.3 | 842.3 | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 13,900 | 29,800 | 20,593 | 18,750 | 30,297,637 | 5,504 | 23,542 | 23,542 | or 95% H-UCL |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 18.1 | 7,310 | 574.1 | 50.15 | 3,759,840 | 1,939 | 2,833 | 2,833 | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 320 | 668 | 480.3 | 485.5 | 8,648 | 92.99 | 524.3 | 524.3 | 95% Student's-t UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 26.8 | 59.2 | 34.26 | 32.1 | 73.87 | 8.595 | 39.33 | 39.33 | or 95% Modified-t UCL |
| 2322 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,100 | 18,100 | 18,100 | 18,100 | N/A | N/A | 18,100 | 18,100 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 16.6 | 39.3 | 26.6 | 25.7 | 44.43 | 6.666 | 30.24 | 30.24 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 23.4 | 23.4 | 23.4 | 23.4 | N/A | N/A | 23.4 | 23.4 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,000 | 35,700 | 29,191 | 28,300 | 13,088,909 | 3,618 | 31,168 | 31,168 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 7 | 86.4 | 27.58 | 22.2 | 554.6 | 23.55 | 40.45 | 40.45 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 507 | 2,950 | 813.3 | 615 | 507,358 | 712.3 | 1,238 | 1,238 | or 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 62.8 | 62.8 | 62.8 | 62.8 | N/A | N/A | 62.8 | 62.8 | Max Detect |
| 2323 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 28,500 | 28,500 | 28,500 | 28,500 | N/A | N/A | 28,500 | 28,500 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 13.4 | 38.2 | 23.45 | 23.4 | 53.71 | 7.329 | 27.45 | 27.45 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.1 | 12.1 | 12.1 | 12.1 | N/A | N/A | 12.1 | 12.1 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 27,200 | 34,300 | 30,300 | 29,900 | 6,826,000 | 2,613 | 31,728 | 31,728 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 9 | 82% | 7 | 7 | 8.77 | 58.4 | 22.72 | 16.5 | 236.9 | 15.39 | 28.24 | 28.24 | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 477 | 772 | 567.7 | 561 | 6,955 | 83.4 | 613.3 | 613.3 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 67.9 | 67.9 | 67.9 | 67.9 | N/A | N/A | 67.9 | 67.9 | Max Detect |
| 2324 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 14,200 | 14,200 | 14,200 | 14,200 | N/A | N/A | 14,200 | 14,200 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 16.6 | 264 | 44.19 | 22.3 | 5,333 | 73.03 | 140.2 | 140.2 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.5 | 9.5 | 9.5 | 9.5 | N/A | N/A | 9.5 | 9.5 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,400 | 30,900 | 28,782 | 29,700 | 6,533,636 | 2,556 | 30,179 | 30,179 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 10 | 91% | 7 | 7 | 8.77 | 195 | 37.06 | 14.85 | 3,272 | 57.2 | 107 | 107 | 95% KM (Chebyshev) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 447 | 723 | 578.9 | 567 | 7,238 | 85.08 | 625.4 | 625.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 43.8 | 43.8 | 43.8 | 43.8 | N/A | N/A | 43.8 | 43.8 | Max Detect |
| 2325 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,600 | 17,600 | 17,600 | 17,600 | N/A | N/A | 17,600 | 17,600 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 12.9 | 52.8 | 25.32 | 17.7 | 166.8 | 12.91 | 32.38 | 32.38 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.9 | 12.9 | 12.9 | 12.9 | N/A | N/A | 12.9 | 12.9 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,200 | 78,000 | 45,618 | 39,200 | 348,400,000 | 18,667 | 55,819 | 55,819 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 522 | 1,730 | 897.3 | 693 | 195,502 | 442.2 | 1,147 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 57.2 | 57.2 | 57.2 | 57.2 | N/A | N/A | 57.2 | | Max Detect |
| 2326 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,100 | 19,100 | 19,100 | 19,100 | N/A | N/A | 19,100 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 31.4 | 21.98 | 21.1 | 16.97 | 4.12 | 24.23 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.5 | 9.5 | 9.5 | 9.5 | N/A | N/A | 9.5 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,900 | 29,900 | 27,245 | 27,600 | 5,530,727 | 2,352 | 28,531 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 10 | 91% | 7 | 7 | 18.6 | 49 | 33.9 | 34.3 | 90.02 | 9.488 | 38.11 | | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 455 | 644 | 532.5 | 528 | 3,192 | 56.5 | 563.3 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 55 | 55 | 55 | 55 | N/A | N/A | 55 | | Max Detect |
| 2327 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 18,200 | 19,900 | 19,050 | 19,050 | 1,445,000 | 1,202 | 19,900 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 14.2 | 31.4 | 20.16 | 18.9 | 26.96 | 5.192 | 23 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 9.4 | 10.8 | 10.1 | 10.1 | 0.98 | 0.99 | 10.8 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,600 | 31,900 | 27,118 | 27,900 | 6,939,636 | 2,634 | 28,558 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 487 | 707 | 539.5 | 527 | 4,063 | 63.74 | 574.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 48 | 49.3 | 48.65 | 48.65 | 0.845 | 0.919 | 49.3 | | Max Detect |
| 2328 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 18.9 | 571 | 88.16 | 26.9 | 26,585 | 163 | 302.5 | | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,300 | 45,000 | 31,973 | 30,900 | 28,582,182 | 5,346 | 34,894 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 10 | 412 | 60.05 | 20 | 13,943 | 118.1 | 215.2 | | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 446 | 696 | 568.5 | 557 | 3,773 | 61.43 | 602 | | 95% Student's-t UCL |
| 2329 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 16,500 | 20,700 | 18,600 | 18,600 | 8,820,000 | 2,970 | 20,700 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.4 | 72.8 | 31.71 | 21 | 488.1 | 22.09 | 60.75 | | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 8.7 | 9.9 | 9.3 | 9.3 | 0.72 | 0.849 | 9.9 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,200 | 29,000 | 25,100 | 23,900 | 7,842,000 | 2,800 | 26,630 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 18.6 | 78.2 | 35.45 | 24.4 | 502.8 | 22.42 | 52.27 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 352 | 574 | 467 | 472 | 5,566 | 74.6 | 507.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 48.8 | 51.3 | 50.05 | 50.05 | 3.125 | 1.768 | 51.3 | | Max Detect |
| 233 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 12 | 12 | 100% | N/A | N/A | 11,100 | 23,300 | 15,917 | 15,000 | 17,392,424 | 4,170 | 18,079 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 22 | 22 | 100% | N/A | N/A | 24.6 | 152 | 48.86 | 42.9 | 657 | 25.63 | 57.91 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 12 | 12 | 100% | N/A | N/A | 9.4 | 15.9 | 11.13 | 11 | 3.195 | 1.787 | 12.05 | | 95% Student's-t UCL |
| Iron | mg/kg | 22 | 22 | 100% | N/A | N/A | 17,600 | 50,400 | 28,673 | 27,850 | 65,263,030 | 8,079 | 31,636 | | 95% Student's-t UCL |
| Lead | mg/kg | 22 | 22 | 100% | N/A | N/A | 48.1 | 949 | 305 | 249 | 47,487 | 217.9 | 385 | | 95% Student's-t UCL |
| Manganese | mg/kg | 22 | 22 | 100% | N/A | N/A | 307 | 748 | 529.2 | 535 | 11,905 | 109.1 | 569.2 | | 95% Student's-t UCL |
| Mercury | mg/kg | 12 | 12 | 100% | N/A | N/A | 0.13 | 2.6 | 0.804 | 0.505 | 0.56 | 0.749 | 1.419 | | 95% Adjusted Gamma UCL |
| Vanadium | mg/kg | 12 | 12 | 100% | N/A | N/A | 31.8 | 63.3 | 42.19 | 37.35 | 105.4 | 10.27 | 47.52 | | 95% Student's-t UCL |
| 2330 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,200 | 19,200 | 19,200 | 19,200 | N/A | N/A | 19,200 | | Max Detect |
| Arsenic | mg/kg | 11 | 9 | 82% | 13.1 | 13.1 | 11.2 | 73.9 | 22.71 | 16.6 | 377.8 | 19.44 | 44.54 | | 95% KM (Chebyshev) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.2 | 8.2 | 8.2 | 8.2 | N/A | N/A | 8.2 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,200 | 73,600 | 30,164 | 25,400 | 213,200,000 | 14,600 | 38,841 | | or 95% Modified-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 453 | 1,760 | 653.5 | 527 | 138,642 | 372.3 | 874.7 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 43.3 | 43.3 | 43.3 | 43.3 | N/A | N/A | 43.3 | | Max Detect |
| 234 and 45J | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 12 | 12 | 100% | N/A | N/A | 10,200 | 19,200 | 13,200 | 12,900 | 5,061,818 | 2,250 | 14,366 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 31 | 12 | 39% | 40.4 | 40.4 | 18.6 | 40.7 | 26.85 | 25.15 | 35.48 | 5.956 | 28.34 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 12 | 12 | 100% | N/A | N/A | 11.2 | 16.3 | 12.82 | 12.6 | 2.051 | 1.432 | 13.56 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|--------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 19,600 | 30,200 | 23,550 | 22,450 | 10,788,182 | 3,285 | 25,253 | | 95% Student's-t UCL |
| Lead | mg/kg | 31 | 31 | 100% | N/A | N/A | 33.5 | 184 | 70.22 | 64.6 | 1,040 | 32.25 | 80.46 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 580 | 1,070 | 727.8 | 696.5 | 19,635 | 140.1 | 800.5 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 12 | 12 | 100% | N/A | N/A | 36 | 60.2 | 41.06 | 38.55 | 47.87 | 6.919 | 44.86 | | or 95% Modified-t UCL |
| 235 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,300 | 23,900 | 19,470 | 18,800 | 6,846,778 | 2,617 | 20,987 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 21.1 | 37.9 | 29.62 | 29 | 30.33 | 5.507 | 32.81 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.1 | 24.3 | 20.55 | 21.65 | 8.807 | 2.968 | 22.27 | | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 88.9 | 567 | 197.4 | 137 | 22,684 | 150.6 | 284.7 | | 95% Student's-t UCL |
| Cyanide | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.3 | 2.5 | 0.812 | 0.515 | 0.474 | 0.688 | 1.389 | | 95% Adjusted Gamma UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 25,400 | 32,300 | 28,770 | 29,200 | 4,520,111 | 2,126 | 30,002 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 21.5 | 69.8 | 44.49 | 47.75 | 305.7 | 17.48 | 54.63 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 745 | 4,880 | 1,843 | 1,630 | 1,269,863 | 1,127 | 2,595 | | or 95% H-UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 45 | 60.7 | 53.74 | 52.8 | 23.47 | 4.845 | 56.55 | | 95% Student's-t UCL |
| 236 and 85J | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,600 | 22,200 | 18,090 | 18,200 | 9,685,444 | 3,112 | 19,894 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 47 | 14 | 30% | 40.4 | 40.4 | 16.8 | 52.3 | 39.23 | 42.25 | 102.4 | 10.12 | 38.16 | | 95% KM (% Bootstrap) UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.1 | 20.2 | 17.27 | 17.8 | 6.947 | 2.636 | 18.8 | | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 70.6 | 318 | 213 | 224.5 | 6,972 | 83.5 | 261.4 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,900 | 31,600 | 26,500 | 27,550 | 20,293,333 | 4,505 | 29,111 | | 95% Student's-t UCL |
| Lead | mg/kg | 47 | 46 | 98% | 31.2 | 31.2 | 29.8 | 150 | 81.72 | 81 | 719.4 | 26.82 | 87.37 | | 95% KM (t) UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 434 | 1,850 | 1,147 | 1,120 | 201,764 | 449.2 | 1,408 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 38.1 | 61.1 | 50.5 | 50.2 | 69.6 | 8.343 | 55.34 | | 95% Student's-t UCL |
| 237 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,200 | 27,100 | 19,510 | 21,700 | 32,774,333 | 5,725 | 22,829 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.4 | 73.7 | 40.58 | 41.05 | 416.9 | 20.42 | 52.42 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.2 | 22.7 | 19.57 | 19.15 | 5.891 | 2.427 | 20.98 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 22,000 | 31,700 | 25,840 | 25,100 | 13,089,333 | 3,618 | 27,937 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 20.9 | 80.1 | 52.09 | 57 | 443.3 | 21.06 | 64.3 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 807 | 2,350 | 1,443 | 1,215 | 353,554 | 594.6 | 1,788 | | 95% Student's-t UCL |
| Mercury | mg/kg | 10 | 6 | 60% | 0.042 | 0.11 | 0.12 | 2.4 | 0.618 | 0.185 | 0.809 | 0.9 | 0.83 | | 95% KM (t) UCL |
| Thallium | mg/kg | 10 | 4 | 40% | 2.6 | 2.6 | 0.58 | 0.77 | 0.688 | 0.7 | 0.00683 | 0.0826 | 0.763 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 48.3 | 68 | 55.65 | 54.95 | 34.46 | 5.87 | 59.05 | | 95% Student's-t UCL |
| 238 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,500 | 15,000 | 13,540 | 13,650 | 1,364,889 | 1,168 | 14,217 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.1 | 21.9 | 19.13 | 18.9 | 6.576 | 2.564 | 20.62 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.6 | 13.4 | 12.44 | 12.3 | 0.445 | 0.667 | 12.83 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 19,300 | 22,800 | 20,790 | 20,650 | 1,374,333 | 1,172 | 21,470 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 22 | 63.4 | 43.09 | 43.5 | 170.5 | 13.06 | 50.66 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 695 | 983 | 827.3 | 812 | 7,891 | 88.83 | 878.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 39.4 | 46.5 | 42.41 | 42.05 | 4.139 | 2.034 | 43.59 | | 95% Student's-t UCL |
| 239 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,960 | 21,000 | 15,316 | 15,250 | 13,158,116 | 3,627 | 17,419 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.5 | 26.3 | 20.38 | 21.05 | 14.87 | 3.856 | 22.62 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.8 | 17.2 | 14.48 | 15.05 | 9.064 | 3.011 | 16.23 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,400 | 31,300 | 24,930 | 25,700 | 24,120,111 | 4,911 | 27,777 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 19 | 87.3 | 42.15 | 33.6 | 508.8 | 22.56 | 55.23 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 694 | 1,580 | 1,248 | 1,270 | 83,223 | 288.5 | 1,415 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 4 | 40% | 2.5 | 2.6 | 0.043 | 0.35 | 0.196 | 0.196 | 0.026 | 0.161 | 0.344 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31.5 | 65.8 | 53.03 | 55.55 | 121.8 | 11.04 | 59.43 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-------------------------------|------------------|--------------------------------|
| 2393 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 14,600 | 18,100 | 16,350 | 16,350 | 6,125,000 | 2,475 | 18,100 | Max Detect |
| Antimony | mg/kg | 2 | 1 | 50% | 0.15 | 0.15 | 7.1 | 7.1 | 7.1 | 7.1 | N/A | N/A | 7.1 | Max Detect |
| Arsenic | mg/kg | 26 | 26 | 100% | N/A | N/A | 16.6 | 1,470 | 197.3 | 54.95 | 141,364 | 376 | 518.7 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 9.7 | 12.4 | 11.05 | 11.05 | 3.645 | 1.909 | 12.4 | Max Detect |
| Iron | mg/kg | 26 | 26 | 100% | N/A | N/A | 25,000 | 86,400 | 39,812 | 34,050 | 246,200,000 | 15,690 | 45,277 | or 95% Modified-t UCL |
| Lead | mg/kg | 26 | 26 | 100% | N/A | N/A | 9.38 | 13,600 | 1,180 | 121.3 | 8,327,462 | 2,886 | 4,714 | 97.5% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 26 | 26 | 100% | N/A | N/A | 462 | 942 | 608.8 | 601.5 | 8,555 | 92.49 | 639.8 | 95% Student's-t UCL |
| Mercury | mg/kg | 2 | 2 | 100% | N/A | N/A | 0.054 | 2.7 | 1.377 | 1.377 | 3.501 | 1.871 | 2.7 | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 49.9 | 71.1 | 60.5 | 60.5 | 224.7 | 14.99 | 71.1 | Max Detect |
| Zinc | mg/kg | 26 | 26 | 100% | N/A | N/A | 64.4 | 6,320 | 897 | 266.5 | 2,020,513 | 1,421 | 2,112 | 95% Chebyshev (Mean, Sd) UCL |
| 2394 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 14,200 | 17,100 | 15,650 | 15,650 | 4,205,000 | 2,051 | 17,100 | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 13.1 | 117 | 28.18 | 20.4 | 985 | 31.38 | 66.59 | 95% KM (Chebyshev) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 12.2 | 16.5 | 14.35 | 14.35 | 9.245 | 3.041 | 16.5 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,700 | 73,600 | 33,009 | 28,200 | 196,900,000 | 14,034 | 41,285 | or 95% Modified-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.8 | 56.7 | 28.9 | 25.1 | 215.8 | 14.69 | 39.95 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 411 | 1,520 | 627.7 | 552 | 93,064 | 305.1 | 808.1 | or 95% Modified-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 55 | 74 | 64.5 | 64.5 | 180.5 | 13.44 | 74 | Max Detect |
| 2396 | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 10 | 91% | 14.2 | 14.2 | 16.6 | 51.6 | 23.95 | 21.1 | 101.5 | 10.08 | 36.27 | 95% KM (Chebyshev) UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,700 | 62,700 | 33,145 | 31,100 | 100,400,000 | 10,020 | 39,083 | or 95% Modified-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 528 | 1,140 | 638.6 | 567 | 31,303 | 176.9 | 742.6 | or 95% Modified-t UCL |
| 240 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 8,910 | 20,400 | 12,901 | 12,050 | 10,488,899 | 3,239 | 14,778 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.3 | 34.2 | 21.94 | 19.8 | 79.51 | 8.917 | 27.11 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.7 | 16.8 | 14.19 | 13.5 | 2.268 | 1.506 | 15.06 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,200 | 31,900 | 21,700 | 20,600 | 19,535,556 | 4,420 | 24,262 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.1 | 112 | 47.1 | 36.2 | 1,289 | 35.91 | 67.91 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 1,030 | 1,610 | 1,367 | 1,400 | 47,490 | 217.9 | 1,493 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 30 | 55.5 | 41.81 | 39.8 | 57.05 | 7.553 | 46.19 | 95% Student's-t UCL |
| 2401 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 18,200 | 18,300 | 18,250 | 18,250 | 5,000 | 70.71 | 18,300 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 18.9 | 90.5 | 37.59 | 23.4 | 534.6 | 23.12 | 67.98 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 12.3 | 12.6 | 12.45 | 12.45 | 0.045 | 0.212 | 12.6 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,400 | 31,400 | 29,382 | 29,600 | 3,421,636 | 1,850 | 30,393 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.3 | 752 | 120.8 | 25.7 | 47,074 | 217 | 333.1 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 465 | 694 | 534.8 | 522 | 4,535 | 67.34 | 571.6 | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 61.6 | 65.3 | 63.45 | 63.45 | 6.845 | 2.616 | 65.3 | Max Detect |
| 2402 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,000 | 17,000 | 17,000 | 17,000 | N/A | N/A | 17,000 | Max Detect |
| Arsenic | mg/kg | 12 | 11 | 92% | 11.9 | 11.9 | 16.6 | 30.3 | 21.39 | 20 | 17.51 | 4.184 | 23.12 | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.5 | 10.5 | 10.5 | 10.5 | N/A | N/A | 10.5 | Max Detect |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 22,500 | 36,600 | 30,367 | 30,500 | 12,915,152 | 3,594 | 32,230 | 95% Student's-t UCL |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 5.86 | 102 | 48.69 | 49.05 | 775.3 | 27.84 | 63.12 | 95% Student's-t UCL |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 439 | 613 | 543.9 | 550.5 | 3,255 | 57.05 | 573.5 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 48.3 | 48.3 | 48.3 | 48.3 | N/A | N/A | 48.3 | Max Detect |
| 2403 | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 26.9 | 86.1 | 42.63 | 41.6 | 255.6 | 15.99 | 53.27 | 95% Adjusted Gamma UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 28,100 | 37,000 | 30,418 | 29,400 | 6,199,636 | 2,490 | 31,779 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 22.9 | 233 | 98.77 | 77.3 | 3,769 | 61.39 | 132.3 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 460 | 627 | 542.5 | 529 | 3,838 | 61.96 | 576.4 | | 95% Student's-t UCL |
| 2404 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,600 | 21,600 | 21,600 | 21,600 | N/A | N/A | 21,600 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 13.1 | 34.8 | 22.26 | 17.7 | 68.9 | 8.301 | 26.88 | | or 95% Modified-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.6 | 11.6 | 11.6 | 11.6 | N/A | N/A | 11.6 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,200 | 31,900 | 28,382 | 28,200 | 3,383,636 | 1,839 | 29,387 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 13.8 | 204 | 64.42 | 30.4 | 4,895 | 69.97 | 147.3 | | 95% H-UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 449 | 579 | 516.9 | 514 | 1,372 | 37.04 | 537.2 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 53.6 | 53.6 | 53.6 | 53.6 | N/A | N/A | 53.6 | | Max Detect |
| 2406 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 16,400 | 16,500 | 16,450 | 16,450 | 5,000 | 70.71 | 16,500 | | Max Detect |
| Antimony | mg/kg | 2 | 2 | 100% | N/A | N/A | 0.53 | 4.9 | 2.715 | 2.715 | 9.548 | 3.09 | 4.9 | | Max Detect |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 16.6 | 593 | 88.91 | 33.65 | 22,419 | 149.7 | 263.3 | | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 12.9 | 14.2 | 13.55 | 13.55 | 0.845 | 0.919 | 14.2 | | Max Detect |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 54.3 | 1,040 | 547.2 | 547.2 | 485,802 | 697 | 1,040 | | Max Detect |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 28,500 | 95,600 | 42,000 | 38,100 | 273,500,000 | 16,538 | 50,409 | | or 95% Modified-t UCL |
| Lead | mg/kg | 14 | 13 | 93% | 7 | 7 | 13.8 | 8,990 | 901 | 130 | 5,961,257 | 2,442 | 7,126 | | 99% KM (Chebyshev) UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 520 | 805 | 626.1 | 608.5 | 6,971 | 83.5 | 665.6 | | 95% Student's-t UCL |
| Mercury | mg/kg | 2 | 2 | 100% | N/A | N/A | 0.068 | 2.5 | 1.284 | 1.284 | 2.957 | 1.72 | 2.5 | | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 60.5 | 71 | 65.75 | 65.75 | 55.13 | 7.425 | 71 | | Max Detect |
| 2407 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 16,400 | 16,400 | 16,400 | 16,400 | N/A | N/A | 16,400 | | Max Detect |
| Arsenic | mg/kg | 18 | 18 | 100% | N/A | N/A | 21.1 | 156 | 41.19 | 30.85 | 1,032 | 32.12 | 74.19 | | 95% Chebyshev (Mean, Sd) UCL |
| Chromium | mg/kg | 1 | 1 | 100% | N/A | N/A | 26.8 | 26.8 | 26.8 | 26.8 | N/A | N/A | 26.8 | | Max Detect |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.9 | 12.9 | 12.9 | 12.9 | N/A | N/A | 12.9 | | Max Detect |
| Iron | mg/kg | 18 | 18 | 100% | N/A | N/A | 24,700 | 51,400 | 31,772 | 29,100 | 46,038,595 | 6,785 | 34,554 | | 95% Student's-t UCL |
| Lead | mg/kg | 18 | 17 | 94% | 7 | 7 | 29.6 | 477 | 112 | 62.8 | 14,378 | 119.9 | 228.6 | | 95% KM (Chebyshev) UCL |
| Manganese | mg/kg | 18 | 18 | 100% | N/A | N/A | 447 | 820 | 601.7 | 594.5 | 10,061 | 100.3 | 642.9 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 71 | 71 | 71 | 71 | N/A | N/A | 71 | | Max Detect |
| 2408 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 17,000 | 18,100 | 17,550 | 17,550 | 605,000 | 777.8 | 18,100 | | Max Detect |
| Antimony | mg/kg | 2 | 1 | 50% | 0.16 | 0.16 | 6.6 | 6.6 | 6.6 | 6.6 | N/A | N/A | 6.6 | | Max Detect |
| Arsenic | mg/kg | 25 | 25 | 100% | N/A | N/A | 16.6 | 254 | 79.66 | 48.3 | 4,629 | 68.04 | 117.1 | | 95% H-UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 14.8 | 16.6 | 15.7 | 15.7 | 1.62 | 1.273 | 16.6 | | Max Detect |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 1,020 | 1,400 | 1,210 | 1,210 | 72,200 | 268.7 | 1,400 | | Max Detect |
| Iron | mg/kg | 25 | 25 | 100% | N/A | N/A | 21,100 | 57,800 | 34,440 | 31,700 | 73,526,667 | 8,575 | 37,374 | | 95% Student's-t UCL |
| Lead | mg/kg | 25 | 25 | 100% | N/A | N/A | 36.7 | 2,460 | 507.5 | 234 | 414,898 | 644.1 | 952.6 | | 95% H-UCL |
| Manganese | mg/kg | 25 | 25 | 100% | N/A | N/A | 330 | 772 | 536.9 | 538 | 9,799 | 98.99 | 570.8 | | 95% Student's-t UCL |
| Mercury | mg/kg | 2 | 2 | 100% | N/A | N/A | 0.17 | 2.6 | 1.385 | 1.385 | 2.952 | 1.718 | 2.6 | | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 58.6 | 58.8 | 58.7 | 58.7 | 0.02 | 0.141 | 58.8 | | Max Detect |
| 2409 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,300 | 19,300 | 19,300 | 19,300 | N/A | N/A | 19,300 | | Max Detect |
| Arsenic | mg/kg | 16 | 16 | 100% | N/A | N/A | 16.6 | 256 | 103.4 | 101.1 | 5,124 | 71.58 | 134.7 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.9 | 11.9 | 11.9 | 11.9 | N/A | N/A | 11.9 | | Max Detect |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 238 | 1,440 | 839 | N/A | N/A | 849.9 | 1,440 | | Max Detect |
| Iron | mg/kg | 16 | 16 | 100% | N/A | N/A | 26,900 | 45,100 | 36,531 | 36,800 | 25,914,292 | 5,091 | 38,762 | | 95% Student's-t UCL |
| Lead | mg/kg | 16 | 16 | 100% | N/A | N/A | 16.5 | 1,790 | 381.8 | 242 | 269,252 | 518.9 | 725.3 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 16 | 16 | 100% | N/A | N/A | 390 | 958 | 589.9 | 589.5 | 18,024 | 134.3 | 648.7 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 55.3 | 55.3 | 55.3 | 55.3 | N/A | N/A | 55.3 | | Max Detect |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| | | | | | | | | | | | | | Standard | |
|-----------|-------|--------------|-----------|----------|------------|------------|---------|---------|---------|-----------|-------------|--------------|------------------|---------------------------|
| | | Number of | Number of | Percent | Minimum | Maximum | Minimum | Maximum | Mean of | Median of | Variance of | Deviation of | | |
| Analyte | Units | Observations | Detects | Detected | Non-detect | Non-detect | Detect | Detect | Detects | Detects | Detects | Detects | EPC ^a | EPC Basis |
| 241 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,100 | 18,300 | 14,260 | 14,250 | 5,669,333 | 2,381 | 15,640 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11 | 28.7 | 18.23 | 17.4 | 23.04 | 4.8 | 21.01 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.2 | 12.4 | 10.03 | 10.05 | 2.089 | 1.445 | 10.87 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,200 | 23,700 | 20,410 | 20,650 | 3,845,444 | 1,961 | 21,547 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 423 | 608 | 499.6 | 494.5 | 3,558 | 59.65 | 534.2 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 26.6 | 42 | 35.12 | 34.95 | 22.64 | 4.758 | 37.88 | 95% Student's-t UCL |
| 2410 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 15,900 | 15,900 | 15,900 | 15,900 | N/A | N/A | 15,900 | Max Detect |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 13.1 | 419 | 152 | 120 | 11,634 | 107.9 | 203.1 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.1 | 10.1 | 10.1 | 10.1 | N/A | N/A | 10.1 | Max Detect |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 23,700 | 89,200 | 47,029 | 45,350 | 273,000,000 | 16,522 | 54,848 | 95% Student's-t UCL |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 15.2 | 3,030 | 1,055 | 637.5 | 1,060,651 | 1,030 | 1,543 | 95% Student's-t UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 435 | 716 | 596.5 | 607 | 6,240 | 79 | 633.9 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 47.9 | 47.9 | 47.9 | 47.9 | N/A | N/A | 47.9 | Max Detect |
| 2415 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 12,600 | 19,000 | 16,033 | 16,500 | 10,403,333 | 3,225 | 19,000 | Max Detect |
| Arsenic | mg/kg | 16 | 16 | 100% | N/A | N/A | 15.4 | 100 | 48.49 | 46 | 483.6 | 21.99 | 58.13 | 95% Student's-t UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 8.2 | 11.3 | 10.17 | 11 | 2.923 | 1.71 | 11.3 | Max Detect |
| Iron | mg/kg | 16 | 16 | 100% | N/A | N/A | 24,000 | 36,200 | 29,069 | 29,300 | 7,479,625 | 2,735 | 30,267 | 95% Student's-t UCL |
| Lead | mg/kg | 16 | 16 | 100% | N/A | N/A | 18.6 | 459 | 154.5 | 114.5 | 15,379 | 124 | 208.9 | 95% Student's-t UCL |
| Manganese | mg/kg | 16 | 16 | 100% | N/A | N/A | 384 | 738 | 534.7 | 543.5 | 7,890 | 88.83 | 573.6 | 95% Student's-t UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 49 | 63 | 54.27 | 50.8 | 58.01 | 7.617 | 63 | Max Detect |
| 2416 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,900 | 17,900 | 17,900 | 17,900 | N/A | N/A | 17,900 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 69.5 | 34.75 | 34.8 | 187.4 | 13.69 | 42.24 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.2 | 13.2 | 13.2 | 13.2 | N/A | N/A | 13.2 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 21,400 | 37,600 | 29,264 | 29,400 | 16,828,545 | 4,102 | 31,505 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.2 | 255 | 101.5 | 91.4 | 4,691 | 68.49 | 138.9 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 480 | 613 | 545.2 | 553 | 2,315 | 48.11 | 571.5 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 61.4 | 61.4 | 61.4 | 61.4 | N/A | N/A | 61.4 | Max Detect |
| 2417 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 17,300 | 19,200 | 18,250 | 18,250 | 1,805,000 | 1,344 | 19,200 | Max Detect |
| Antimony | mg/kg | 2 | 1 | 50% | 0.16 | 0.16 | 3.6 | 3.6 | 3.6 | 3.6 | N/A | N/A | 3.6 | Max Detect |
| Arsenic | mg/kg | 22 | 22 | 100% | N/A | N/A | 13.1 | 87.1 | 35.31 | 27.2 | 424.4 | 20.6 | 43.95 | 95% H-UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10.6 | 13 | 11.8 | 11.8 | 2.88 | 1.697 | 13 | Max Detect |
| Iron | mg/kg | 22 | 22 | 100% | N/A | N/A | 24,200 | 39,700 | 31,505 | 30,700 | 20,069,026 | 4,480 | 33,148 | 95% Student's-t UCL |
| Lead | mg/kg | 22 | 22 | 100% | N/A | N/A | 9.38 | 499 | 112 | 82.4 | 14,603 | 120.8 | 169.2 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 22 | 22 | 100% | N/A | N/A | 448 | 799 | 571.7 | 558 | 7,447 | 86.3 | 603.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 52.3 | 59.7 | 56 | 56 | 27.38 | 5.233 | 59.7 | Max Detect |
| 242 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,000 | 25,400 | 16,400 | 15,800 | 17,748,889 | 4,213 | 18,842 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 43.7 | 82.8 | 53.07 | 48.15 | 144.8 | 12.04 | 60.46 | or 95% Modified-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 14 | 26 | 19.86 | 19.7 | 10.63 | 3.26 | 21.75 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 27,700 | 39,200 | 32,740 | 32,250 | 10,529,333 | 3,245 | 34,621 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.1 | 40.4 | 25.73 | 25.15 | 58.76 | 7.666 | 30.17 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 810 | 1,410 | 1,064 | 1,040 | 26,958 | 164.2 | 1,159 | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 8 | 80% | 2.5 | 2.5 | 0.27 | 0.94 | 0.456 | 0.4 | 0.0419 | 0.205 | 0.6 | 95% Adjusted Gamma KM-UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 57.3 | 82.1 | 68.36 | 65.1 | 62.26 | 7.891 | 72.93 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|----------------------|------------------|------------------------------|
| | | | | | | | | | | | | Deviation of Detects | | |
| 2420 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,100 | 21,100 | 21,100 | 21,100 | N/A | N/A | 21,100 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 20 | 48.3 | 27.71 | 23.4 | 69.21 | 8.319 | 32.26 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.2 | 12.2 | 12.2 | 12.2 | N/A | N/A | 12.2 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 29,800 | 39,200 | 34,291 | 34,700 | 7,916,909 | 2,814 | 35,829 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 10 | 91% | 7 | 7 | 9.38 | 86.6 | 30.65 | 24.6 | 656.4 | 25.62 | 42.42 | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 407 | 723 | 527.2 | 512 | 8,788 | 93.74 | 578.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 67.4 | 67.4 | 67.4 | 67.4 | N/A | N/A | 67.4 | Max Detect |
| 2422 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 18,500 | 24,000 | 21,250 | 21,250 | 15,125,000 | 3,889 | 24,000 | Max Detect |
| Arsenic | mg/kg | 11 | 9 | 82% | 14.2 | 14.2 | 20 | 75 | 35.74 | 28 | 289.6 | 17.02 | 41.52 | 95% KM (t) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10.7 | 11 | 10.85 | 10.85 | 0.045 | 0.212 | 11 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,900 | 38,200 | 32,773 | 35,400 | 22,682,182 | 4,763 | 35,375 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 10 | 91% | 7 | 7 | 10 | 141 | 48.76 | 33.65 | 1,713 | 41.39 | 67.61 | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 368 | 708 | 511.6 | 495 | 9,677 | 98.37 | 565.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 57.7 | 61 | 59.35 | 59.35 | 5.445 | 2.333 | 61 | Max Detect |
| 2425 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 14,900 | 14,900 | 14,900 | 14,900 | N/A | N/A | 14,900 | Max Detect |
| Arsenic | mg/kg | 11 | 6 | 55% | 13.1 | 13.1 | 11.4 | 25.7 | 20.47 | 22.3 | 35.99 | 5.999 | 19.97 | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 14.5 | 14.5 | 14.5 | 14.5 | N/A | N/A | 14.5 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 20,600 | 46,000 | 30,627 | 27,700 | 63,968,182 | 7,998 | 34,998 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 365 | 958 | 632.6 | 621 | 39,409 | 198.5 | 741.1 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 80.2 | 80.2 | 80.2 | 80.2 | N/A | N/A | 80.2 | Max Detect |
| 2426 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,000 | 21,000 | 21,000 | 21,000 | N/A | N/A | 21,000 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 18.9 | 397 | 128.4 | 37 | 19,559 | 139.9 | 312.2 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.7 | 9.7 | 9.7 | 9.7 | N/A | N/A | 9.7 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 27,800 | 92,200 | 44,091 | 34,000 | 394,200,000 | 19,854 | 57,806 | 95% Adjusted Gamma UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.9 | 304 | 60.81 | 32.7 | 7,039 | 83.9 | 122.7 | 95% H-UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 470 | 6,310 | 1,990 | 615 | 4,542,139 | 2,131 | 4,791 | 95% Chebyshev (Mean, Sd) UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 60.4 | 60.4 | 60.4 | 60.4 | N/A | N/A | 60.4 | Max Detect |
| 2427 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,300 | 18,300 | 18,300 | 18,300 | N/A | N/A | 18,300 | Max Detect |
| Arsenic | mg/kg | 11 | 7 | 64% | 13.1 | 13.1 | 13 | 44.9 | 21.89 | 16.6 | 132.2 | 11.5 | 24.27 | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 7.7 | 7.7 | 7.7 | 7.7 | N/A | N/A | 7.7 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 17,900 | 25,400 | 22,673 | 23,000 | 5,210,182 | 2,283 | 23,920 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 20.7 | 98.1 | 43.18 | 36.7 | 488.9 | 22.11 | 55.27 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 346 | 565 | 434.3 | 451 | 4,051 | 63.65 | 469.1 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 41.4 | 41.4 | 41.4 | 41.4 | N/A | N/A | 41.4 | Max Detect |
| 2428 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,700 | 19,700 | 19,700 | 19,700 | N/A | N/A | 19,700 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 20 | 63.9 | 36.97 | 31.4 | 213.3 | 14.6 | 44.95 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.4 | 9.4 | 9.4 | 9.4 | N/A | N/A | 9.4 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 21,800 | 35,500 | 28,173 | 30,500 | 22,328,182 | 4,725 | 30,755 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 25.8 | 125 | 79.55 | 83.8 | 1,097 | 33.13 | 97.65 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 403 | 630 | 518 | 530 | 5,661 | 75.24 | 559.1 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 59.6 | 59.6 | 59.6 | 59.6 | N/A | N/A | 59.6 | Max Detect |
| 2429 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,200 | 18,200 | 18,200 | 18,200 | N/A | N/A | 18,200 | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 13.1 | 38.2 | 24.56 | 24.6 | 82.39 | 9.077 | 28.61 | 95% KM (t) UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|-----------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.3 | 9.3 | 9.3 | 9.3 | N/A | N/A | N/A | 9.3 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 21,300 | 32,000 | 26,009 | 26,100 | 8,110,909 | 2,848 | 27,565 | 27,565 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 8.17 | 245 | 82.3 | 61.1 | 6,539 | 80.86 | 162.6 | 162.6 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 406 | 575 | 478.6 | 476 | 2,370 | 48.69 | 505.2 | 505.2 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 52.2 | 52.2 | 52.2 | 52.2 | N/A | N/A | N/A | 52.2 | Max Detect |
| 243 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,500 | 23,400 | 18,820 | 19,500 | 7,277,333 | 2,698 | 20,384 | 20,384 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.8 | 28.8 | 21.87 | 21.15 | 19.38 | 4.403 | 24.42 | 24.42 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.6 | 20.1 | 16.05 | 15.3 | 7.369 | 2.715 | 17.62 | 17.62 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 22,200 | 30,300 | 25,370 | 24,200 | 9,333,444 | 3,055 | 27,141 | 27,141 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.8 | 89.6 | 40.7 | 31.05 | 685.2 | 26.18 | 64.55 | 64.55 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 534 | 1,100 | 760.3 | 722.5 | 32,876 | 181.3 | 865.4 | 865.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 40.4 | 58.1 | 48.36 | 45.1 | 44.63 | 6.68 | 52.53 | 52.53 | or 95% H-UCL |
| 2430 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 18,400 | 26,000 | 22,100 | 21,900 | 14,470,000 | 3,804 | 26,000 | 26,000 | Max Detect |
| Arsenic | mg/kg | 13 | 12 | 92% | 13.1 | 13.1 | 20.1 | 49.4 | 31.82 | 31.4 | 61.67 | 7.853 | 34.91 | 34.91 | 95% KM (t) UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 11.1 | 18 | 13.47 | 11.3 | 15.42 | 3.927 | 18 | 18 | Max Detect |
| Iron | mg/kg | 13 | 13 | 100% | N/A | N/A | 19,700 | 47,000 | 25,762 | 24,200 | 49,702,564 | 7,050 | 29,669 | 29,669 | 95% Adjusted Gamma UCL |
| Lead | mg/kg | 13 | 13 | 100% | N/A | N/A | 20.7 | 565 | 131.2 | 92.3 | 19,841 | 140.9 | 223.1 | 223.1 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 13 | 13 | 100% | N/A | N/A | 363 | 940 | 515.1 | 479 | 19,526 | 139.7 | 588.9 | 588.9 | or 95% Modified-t UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 50.6 | 91 | 65.77 | 55.7 | 484 | 22 | 91 | 91 | Max Detect |
| 2433 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 16,400 | 16,400 | 16,400 | 16,400 | N/A | N/A | 16,400 | 16,400 | Max Detect |
| Arsenic | mg/kg | 22 | 21 | 95% | 13.1 | 13.1 | 16.6 | 85 | 36.03 | 33.7 | 241.9 | 15.55 | 42.09 | 42.09 | 95% GROS Adjusted Gamma UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.6 | 11.6 | 11.6 | 11.6 | N/A | N/A | 11.6 | 11.6 | Max Detect |
| Iron | mg/kg | 22 | 22 | 100% | N/A | N/A | 24,500 | 41,600 | 32,441 | 33,200 | 19,051,104 | 4,365 | 34,042 | 34,042 | 95% Student's-t UCL |
| Lead | mg/kg | 22 | 22 | 100% | N/A | N/A | 8.77 | 148 | 45.09 | 30.75 | 1,395 | 37.35 | 62.08 | 62.08 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 22 | 22 | 100% | N/A | N/A | 503 | 748 | 590.1 | 583.5 | 3,686 | 60.71 | 612.4 | 612.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 56.1 | 56.1 | 56.1 | 56.1 | N/A | N/A | 56.1 | 56.1 | Max Detect |
| 2434 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 15,700 | 15,700 | 15,700 | 15,700 | N/A | N/A | 15,700 | 15,700 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 23.4 | 67.3 | 37.08 | 32.5 | 204.9 | 14.32 | 44.9 | 44.9 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.8 | 10.8 | 10.8 | 10.8 | N/A | N/A | 10.8 | 10.8 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,100 | 32,800 | 26,264 | 26,100 | 13,020,545 | 3,608 | 28,236 | 28,236 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.2 | 167 | 54.43 | 50.7 | 1,716 | 41.42 | 87.48 | 87.48 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 502 | 595 | 544.8 | 555 | 739 | 27.18 | 559.7 | 559.7 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 50 | 50 | 50 | 50 | N/A | N/A | 50 | 50 | Max Detect |
| 2435 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,500 | 20,500 | 20,500 | 20,500 | N/A | N/A | 20,500 | 20,500 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 164 | 55.18 | 35.9 | 2,472 | 49.72 | 95.33 | 95.33 | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.8 | 10.8 | 10.8 | 10.8 | N/A | N/A | 10.8 | 10.8 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 30,000 | 43,600 | 34,091 | 33,400 | 16,060,909 | 4,008 | 36,281 | 36,281 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 10 | 91% | 7 | 7 | 11.9 | 174 | 69.74 | 49.9 | 3,236 | 56.89 | 95.45 | 95.45 | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 424 | 1,290 | 627.3 | 545 | 66,707 | 258.3 | 776.7 | 776.7 | 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 69.6 | 69.6 | 69.6 | 69.6 | N/A | N/A | 69.6 | 69.6 | Max Detect |
| 2437A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 15,900 | 15,900 | 15,900 | 15,900 | N/A | N/A | 15,900 | 15,900 | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 14.2 | 32.3 | 24.65 | 25.15 | 25.96 | 5.095 | 26.87 | 26.87 | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.5 | 11.5 | 11.5 | 11.5 | N/A | N/A | 11.5 | 11.5 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 11,400 | 29,000 | 22,536 | 22,400 | 29,264,545 | 5,410 | 25,493 | 25,493 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 10.6 | 48.1 | 25.53 | 26.6 | 112.4 | 10.6 | 31.32 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 196 | 529 | 426.9 | 448 | 10,354 | 101.8 | 482.5 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 68.4 | 68.4 | 68.4 | 68.4 | N/A | N/A | 68.4 | | Max Detect |
| 2439A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 17,900 | 19,600 | 18,750 | 18,750 | 1,445,000 | 1,202 | 19,600 | | Max Detect |
| Arsenic | mg/kg | 17 | 14 | 82% | 13.1 | 13.1 | 14.2 | 49.3 | 27.03 | 23.4 | 139.4 | 11.81 | 29.67 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10 | 10.1 | 10.05 | 10.05 | 0.005 | 0.0707 | 10.1 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 21,400 | 31,100 | 26,929 | 27,400 | 6,812,206 | 2,610 | 28,035 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 13.2 | 86.3 | 35.32 | 31.9 | 432.9 | 20.81 | 44.13 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 389 | 648 | 502.1 | 490 | 5,018 | 70.84 | 532.1 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 54.9 | 65 | 59.95 | 59.95 | 51.01 | 7.142 | 65 | | Max Detect |
| 2444 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 9,970 | 13,300 | 11,635 | 11,635 | 5,544,450 | 2,355 | 13,300 | | Max Detect |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 17.7 | 778 | 168.2 | 83.95 | 47,495 | 217.9 | 322.8 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10.3 | 16.9 | 13.6 | 13.6 | 21.78 | 4.667 | 16.9 | | Max Detect |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 24,800 | 58,800 | 34,967 | 32,700 | 119,100,000 | 10,913 | 40,624 | | 95% Student's-t UCL |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 17.9 | 2,120 | 323.7 | 112.5 | 317,367 | 563.4 | 980 | | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 392 | 598 | 490 | 490.5 | 5,153 | 71.78 | 527.2 | | 95% Student's-t UCL |
| Thallium | mg/kg | 2 | 1 | 50% | 0.022 | 0.022 | 0.16 | 0.16 | 0.16 | 0.16 | N/A | N/A | 0.16 | | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 42.3 | 92.6 | 67.45 | 67.45 | 1,265 | 35.57 | 92.6 | | Max Detect |
| 2449 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 11,900 | 11,900 | 11,900 | 11,900 | N/A | N/A | 11,900 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 20 | 50.5 | 33.61 | 33.7 | 100.7 | 10.04 | 39.09 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.7 | 11.7 | 11.7 | 11.7 | N/A | N/A | 11.7 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,300 | 34,500 | 28,436 | 28,100 | 13,562,545 | 3,683 | 30,449 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 456 | 832 | 584.3 | 578 | 10,161 | 100.8 | 639.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 67.4 | 67.4 | 67.4 | 67.4 | N/A | N/A | 67.4 | | Max Detect |
| 245 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,020 | 21,700 | 16,532 | 16,700 | 12,602,240 | 3,550 | 18,590 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.8 | 18.2 | 11.75 | 10.9 | 11.04 | 3.323 | 13.68 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.2 | 24.6 | 17.18 | 16.9 | 23 | 4.796 | 19.96 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,800 | 32,200 | 22,820 | 21,850 | 32,870,667 | 5,733 | 26,143 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 288 | 997 | 643.4 | 605 | 46,777 | 216.3 | 768.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 25.6 | 59.2 | 44.06 | 43 | 88.69 | 9.418 | 49.52 | | 95% Student's-t UCL |
| 2456 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 13.1 | 25.7 | 19.27 | 17.7 | 17.15 | 4.141 | 21.54 | | 95% Student's-t UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,000 | 36,000 | 32,200 | 32,500 | 6,454,000 | 2,540 | 33,588 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 518 | 719 | 612.5 | 601 | 5,122 | 71.57 | 651.7 | | 95% Student's-t UCL |
| 2457 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 10,100 | 10,100 | 10,100 | 10,100 | N/A | N/A | 10,100 | | Max Detect |
| Arsenic | mg/kg | 12 | 9 | 75% | 13.1 | 13.1 | 9.9 | 29.1 | 17.09 | 16.6 | 29.66 | 5.446 | 18.28 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.7 | 11.7 | 11.7 | 11.7 | N/A | N/A | 11.7 | | Max Detect |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 15,600 | 30,600 | 26,725 | 27,050 | 15,116,591 | 3,888 | 28,741 | | 95% Student's-t UCL |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 460 | 697 | 564.7 | 569.5 | 6,698 | 81.84 | 607.1 | | 95% Student's-t UCL |
| Thallium | mg/kg | 1 | 1 | 100% | N/A | N/A | 0.87 | 0.87 | 0.87 | 0.87 | N/A | N/A | 0.87 | | Max Detect |
| 2458 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,300 | 20,300 | 20,300 | 20,300 | N/A | N/A | 20,300 | | Max Detect |
| Arsenic | mg/kg | 11 | 8 | 73% | 13.1 | 13.1 | 14.2 | 23.4 | 17.9 | 17.15 | 11.96 | 3.458 | 18.63 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.7 | 12.7 | 12.7 | 12.7 | N/A | N/A | 12.7 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,000 | 34,300 | 27,400 | 26,000 | 8,330,000 | 2,886 | 28,977 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 475 | 678 | 558.3 | 537 | 4,984 | 70.6 | 596.9 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 56.7 | 56.7 | 56.7 | 56.7 | N/A | N/A | 56.7 | | Max Detect |
| 2459A | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 16.6 | 25.7 | 20.73 | 21.1 | 7.05 | 2.655 | 22.18 | | 95% Student's-t UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 29,600 | 33,600 | 31,827 | 31,900 | 1,838,182 | 1,356 | 32,568 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 527 | 660 | 591.1 | 583 | 1,783 | 42.22 | 614.2 | | 95% Student's-t UCL |
| 2459B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,000 | 17,000 | 17,000 | 17,000 | N/A | N/A | 17,000 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15 | 75 | 26.62 | 21.1 | 282.3 | 16.8 | 37.28 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.5 | 12.5 | 12.5 | 12.5 | N/A | N/A | 12.5 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,700 | 37,000 | 30,245 | 30,200 | 9,412,727 | 3,068 | 31,922 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 564 | 628 | 597.5 | 601 | 473.1 | 21.75 | 609.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 44.8 | 44.8 | 44.8 | 44.8 | N/A | N/A | 44.8 | | Max Detect |
| 246 and 30W | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 17 | 17 | 100% | N/A | N/A | 9,440 | 17,600 | 12,367 | 11,300 | 5,062,697 | 2,250 | 13,320 | | 95% Student's-t UCL |
| Antimony | mg/kg | 17 | 8 | 47% | 0.6 | 6.4 | 4.6 | 46.3 | 15.21 | 11.4 | 172.9 | 13.15 | 24.66 | | 95% GROS Adjusted Gamma UCL |
| Arsenic | mg/kg | 40 | 31 | 78% | 40.4 | 40.4 | 23.6 | 1,630 | 175.5 | 72.8 | 88,022 | 296.7 | 228.8 | | 95% KM (BCA) UCL |
| Cadmium | mg/kg | 17 | 17 | 100% | N/A | N/A | 0.95 | 9.3 | 3.356 | 2.8 | 3.971 | 1.993 | 4.2 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 17 | 17 | 100% | N/A | N/A | 7.2 | 16.3 | 11.45 | 10.8 | 5.748 | 2.397 | 12.47 | | 95% Student's-t UCL |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 15,900 | 51,600 | 28,488 | 22,000 | 106,500,000 | 10,319 | 32,929 | | or 95% Modified-t UCL |
| Lead | mg/kg | 40 | 40 | 100% | N/A | N/A | 31.9 | 2,120 | 307.7 | 144.5 | 186,830 | 432.2 | 425.9 | | 95% H-UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 314 | 1,120 | 599.3 | 586 | 37,332 | 193.2 | 681.1 | | 95% Student's-t UCL |
| Mercury | mg/kg | 17 | 16 | 94% | 0.1 | 0.1 | 0.12 | 5 | 1.445 | 0.97 | 1.919 | 1.385 | 1.952 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 17 | 17 | 100% | N/A | N/A | 28.2 | 67.1 | 40.51 | 41.1 | 90.63 | 9.52 | 44.54 | | 95% Student's-t UCL |
| 2462 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,400 | 20,400 | 20,400 | 20,400 | N/A | N/A | 20,400 | | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 11.9 | 11.9 | 13.1 | 25.7 | 17.48 | 16.7 | 17.81 | 4.22 | 19.36 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.2 | 13.2 | 13.2 | 13.2 | N/A | N/A | 13.2 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,400 | 37,400 | 33,573 | 33,900 | 12,026,182 | 3,468 | 35,468 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 422 | 1,390 | 664.2 | 619 | 75,631 | 275 | 814.5 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 64.6 | 64.6 | 64.6 | 64.6 | N/A | N/A | 64.6 | | Max Detect |
| 247 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 6,900 | 20,000 | 15,650 | 16,800 | 14,362,778 | 3,790 | 17,847 | | 95% Student's-t UCL |
| Antimony | mg/kg | 10 | 2 | 20% | 6 | 6.2 | 6.2 | 35.2 | 20.7 | 20.7 | 420.5 | 20.51 | 35.2 | | Max Detect |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.5 | 785 | 105.2 | 27.25 | 57,373 | 239.5 | 435.3 | | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 5.7 | 14.8 | 11.56 | 12.05 | 5.774 | 2.403 | 12.95 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 17,700 | 28,500 | 21,950 | 21,850 | 8,993,889 | 2,999 | 23,688 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.1 | 1,170 | 173.4 | 58.65 | 125,111 | 353.7 | 543.8 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 246 | 644 | 533.2 | 541 | 12,715 | 112.8 | 598.6 | | 95% Student's-t UCL |
| Mercury | mg/kg | 10 | 8 | 80% | 0.1 | 0.1 | 0.045 | 4.4 | 0.651 | 0.13 | 2.297 | 1.515 | 3.257 | | 97.5% KM (Chebyshev) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 22.3 | 40.2 | 33.69 | 35.1 | 26.75 | 5.172 | 36.69 | | 95% Student's-t UCL |
| 248 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,200 | 21,900 | 17,990 | 17,500 | 3,821,000 | 1,955 | 19,123 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.6 | 38.1 | 27.47 | 27.1 | 49.73 | 7.052 | 31.56 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.4 | 21.1 | 16.53 | 16.15 | 4.671 | 2.161 | 17.78 | | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 36.5 | 589 | 163.1 | 134.5 | 25,066 | 158.3 | 298.6 | | 95% Adjusted Gamma UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 22,400 | 29,300 | 24,920 | 24,600 | 4,484,000 | 2,118 | 26,148 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.9 | 201 | 59.98 | 52.1 | 2,787 | 52.8 | 107.4 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 1,080 | 2,300 | 1,384 | 1,255 | 143,449 | 378.7 | 1,604 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 39.4 | 53.6 | 45.83 | 45.35 | 19.59 | 4.426 | 48.4 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| | | | | | | | | | | | | | Standard | | |
|-----------|-------|--------------|-----------|----------|------------|------------|---------|---------|---------|-----------|-------------|--------------|------------------|------------------------|--|
| | | Number of | Number of | Percent | Minimum | Maximum | Minimum | Maximum | Mean of | Median of | Variance of | Deviation of | | | |
| Analyte | Units | Observations | Detects | Detected | Non-detect | Non-detect | Detect | Detect | Detects | Detects | Detects | Detects | EPC ^a | EPC Basis | |
| 249 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,900 | 18,000 | 16,070 | 15,900 | 1,604,556 | 1,267 | 16,804 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.2 | 15.4 | 12.54 | 12.8 | 3.507 | 1.873 | 13.63 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11 | 14.8 | 12.74 | 12.75 | 1.56 | 1.249 | 13.46 | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 20,100 | 27,200 | 22,880 | 22,500 | 4,092,889 | 2,023 | 24,053 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 489 | 1,130 | 600.8 | 543 | 36,024 | 189.8 | 720.1 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 34.8 | 51 | 43.23 | 43 | 22.69 | 4.764 | 45.99 | 95% Student's-t UCL | |
| 2490 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 16,800 | 21,300 | 19,050 | 19,050 | 10,125,000 | 3,182 | 21,300 | Max Detect | |
| Arsenic | mg/kg | 20 | 20 | 100% | N/A | N/A | 14.2 | 65.4 | 35.45 | 37.05 | 228.2 | 15.11 | 41.29 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 9.5 | 15.8 | 12.65 | 12.65 | 19.85 | 4.455 | 15.8 | Max Detect | |
| Iron | mg/kg | 20 | 20 | 100% | N/A | N/A | 22,300 | 54,000 | 36,945 | 35,250 | 51,305,763 | 7,163 | 39,714 | 95% Student's-t UCL | |
| Lead | mg/kg | 20 | 20 | 100% | N/A | N/A | 13.8 | 396 | 91.91 | 51.7 | 9,318 | 96.53 | 139 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 20 | 20 | 100% | N/A | N/A | 430 | 846 | 631 | 619.5 | 11,733 | 108.3 | 672.9 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 55.3 | 98.9 | 77.1 | 77.1 | 950.5 | 30.83 | 98.9 | Max Detect | |
| 2502 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 16,600 | 23,000 | 19,800 | 19,800 | 20,480,000 | 4,525 | 23,000 | Max Detect | |
| Arsenic | mg/kg | 22 | 22 | 100% | N/A | N/A | 15.4 | 63.9 | 37.08 | 37 | 107.9 | 10.39 | 40.89 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11.4 | 12.7 | 12.05 | 12.05 | 0.845 | 0.919 | 12.7 | Max Detect | |
| Iron | mg/kg | 22 | 22 | 100% | N/A | N/A | 24,400 | 36,300 | 30,559 | 30,300 | 8,612,056 | 2,935 | 31,636 | 95% Student's-t UCL | |
| Lead | mg/kg | 22 | 21 | 95% | 7 | 7 | 35.1 | 347 | 116.6 | 89.5 | 7,701 | 87.75 | 144.2 | 95% KM (t) UCL | |
| Manganese | mg/kg | 22 | 22 | 100% | N/A | N/A | 495 | 674 | 581 | 577.5 | 3,023 | 54.98 | 601.2 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 44.9 | 55.4 | 50.15 | 50.15 | 55.13 | 7.425 | 55.4 | Max Detect | |
| 2504 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,800 | 19,800 | 19,800 | 19,800 | N/A | N/A | 19,800 | Max Detect | |
| Arsenic | mg/kg | 11 | 8 | 73% | 13.1 | 13.1 | 14.2 | 49.4 | 27.8 | 25.15 | 131.2 | 11.45 | 30.36 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.1 | 10.1 | 10.1 | 10.1 | N/A | N/A | 10.1 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,100 | 75,200 | 31,555 | 24,800 | 237,400,000 | 15,407 | 40,605 | or 95% Modified-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 13.2 | 66.4 | 29.12 | 28.9 | 206.4 | 14.37 | 36.97 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 380 | 1,900 | 683.2 | 575 | 184,776 | 429.9 | 935.6 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 52.2 | 52.2 | 52.2 | 52.2 | N/A | N/A | 52.2 | Max Detect | |
| 2505 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 16,400 | 17,000 | 16,700 | 16,700 | 180,000 | 424.3 | 17,000 | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 28 | 28 | 21.1 | 56.1 | 34.04 | 31 | 139.9 | 11.83 | 39.45 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10.1 | 13.1 | 11.6 | 11.6 | 4.5 | 2.121 | 13.1 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,400 | 44,900 | 36,055 | 37,200 | 37,178,727 | 6,097 | 39,387 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 7 | 101 | 27.89 | 14.5 | 742.2 | 27.24 | 49.21 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 510 | 1,170 | 718.2 | 719 | 31,297 | 176.9 | 814.9 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 45.7 | 68 | 56.85 | 56.85 | 248.6 | 15.77 | 68 | Max Detect | |
| 2507 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.4 | 51.6 | 24.74 | 21.1 | 109.2 | 10.45 | 30.45 | 95% Student's-t UCL | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,900 | 35,800 | 30,391 | 30,400 | 9,874,909 | 3,142 | 32,108 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 20.7 | 58.4 | 36.36 | 31.2 | 209.8 | 14.48 | 44.28 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 420 | 802 | 635.7 | 664 | 13,140 | 114.6 | 698.4 | 95% Student's-t UCL | |
| 2508 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 30,400 | 30,400 | 30,400 | 30,400 | N/A | N/A | 30,400 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 32.5 | 22.36 | 20 | 28.36 | 5.325 | 25.27 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.9 | 9.9 | 9.9 | 9.9 | N/A | N/A | 9.9 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,100 | 37,600 | 31,945 | 32,100 | 12,002,727 | 3,464 | 33,839 | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 370 | 1,020 | 603.5 | 558 | 28,173 | 167.8 | 703.9 | | or 95% H-UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 78.6 | 78.6 | 78.6 | 78.6 | N/A | N/A | 78.6 | | Max Detect |
| 2509 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 16,600 | 22,000 | 19,300 | 19,300 | 14,580,000 | 3,818 | 22,000 | | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 15.4 | 23.4 | 18.92 | 18.3 | 8.664 | 2.943 | 20.2 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10.8 | 11.6 | 11.2 | 11.2 | 0.32 | 0.566 | 11.6 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 21,900 | 32,600 | 27,236 | 27,100 | 10,704,545 | 3,272 | 29,024 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 407 | 611 | 511.5 | 534 | 4,987 | 70.62 | 550.1 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 63.4 | 72.3 | 67.85 | 67.85 | 39.61 | 6.293 | 72.3 | | Max Detect |
| 251 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,100 | 21,500 | 16,630 | 16,600 | 14,575,667 | 3,818 | 18,843 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 12 | 170 | 33.06 | 14.4 | 2,367 | 48.66 | 100.1 | | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.1 | 30.7 | 16.62 | 14.6 | 35.23 | 5.936 | 20.06 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 20,400 | 40,800 | 24,770 | 22,150 | 38,044,556 | 6,168 | 28,584 | | 95% Modified-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 545 | 4,500 | 1,045 | 677 | 1,480,751 | 1,217 | 2,722 | | 95% Chebyshev (Mean, Sd) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 37.1 | 93.3 | 51.88 | 46.7 | 310.1 | 17.61 | 62.09 | | 95% Student's-t UCL |
| 2511 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 24,100 | 24,100 | 24,100 | 24,100 | N/A | N/A | 24,100 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 29.1 | 23.95 | 24.6 | 15.02 | 3.876 | 26.06 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 15 | 15 | 15 | 15 | N/A | N/A | 15 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,400 | 32,700 | 29,718 | 30,300 | 4,511,636 | 2,124 | 30,879 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.3 | 65.7 | 24.9 | 22.2 | 217 | 14.73 | 35.05 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 558 | 729 | 615.3 | 606 | 2,617 | 51.16 | 643.2 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 66 | 66 | 66 | 66 | N/A | N/A | 66 | | Max Detect |
| 2512 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 18,900 | 22,700 | 20,800 | 20,800 | 7,220,000 | 2,687 | 22,700 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.4 | 29.1 | 21.54 | 21.1 | 13.16 | 3.628 | 23.52 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 8.5 | 13 | 10.75 | 10.75 | 10.13 | 3.182 | 13 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 15,400 | 34,400 | 25,100 | 26,400 | 25,486,000 | 5,048 | 27,859 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 239 | 680 | 505.5 | 534 | 13,308 | 115.4 | 568.5 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 39.5 | 60 | 49.75 | 49.75 | 210.1 | 14.5 | 60 | | Max Detect |
| 2514 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 11,800 | 11,800 | 11,800 | 11,800 | N/A | N/A | 11,800 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.1 | 33.7 | 24.64 | 25.7 | 38.07 | 6.17 | 28.01 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 7.7 | 7.7 | 7.7 | 7.7 | N/A | N/A | 7.7 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 21,600 | 30,700 | 26,127 | 27,200 | 8,858,182 | 2,976 | 27,754 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 10 | 91% | 7 | 7 | 20.7 | 75.5 | 44.31 | 43.55 | 336.7 | 18.35 | 52.3 | | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 438 | 747 | 585.5 | 609 | 10,935 | 104.6 | 642.7 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 56.9 | 56.9 | 56.9 | 56.9 | N/A | N/A | 56.9 | | Max Detect |
| 2515 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 21.1 | 46 | 30.43 | 28 | 80.12 | 8.951 | 35.32 | | 95% Student's-t UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,400 | 38,900 | 30,736 | 31,100 | 11,246,545 | 3,354 | 32,569 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 19.3 | 86.6 | 33.62 | 27.3 | 405.7 | 20.14 | 44.62 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 521 | 958 | 699 | 652 | 22,837 | 151.1 | 781.6 | | 95% Student's-t UCL |
| 2516 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,400 | 19,400 | 19,400 | 19,400 | N/A | N/A | 19,400 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 18.9 | 48.3 | 26.82 | 23.4 | 87.88 | 9.375 | 31.94 | | 95% Student's-t UCL |
| Copper | mg/kg | 1 | 1 | 100% | N/A | N/A | 313 | 313 | 313 | 313 | N/A | N/A | 313 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 27,700 | 37,400 | 32,436 | 33,300 | 8,692,545 | 2,948 | 34,048 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.2 | 155 | 58.75 | 28.1 | 2,767 | 52.61 | 110.2 | | 95% Adjusted Gamma UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 681 | 1,120 | 858.6 | 830 | 16,168 | 127.2 | 928.1 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 64.5 | 64.5 | 64.5 | 64.5 | N/A | N/A | 64.5 | | Max Detect |
| 2517 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 23,800 | 23,800 | 23,800 | 23,800 | N/A | N/A | 23,800 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 20 | 43.8 | 32.66 | 32.5 | 48.01 | 6.929 | 36.45 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.9 | 9.9 | 9.9 | 9.9 | N/A | N/A | 9.9 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,500 | 37,000 | 31,636 | 31,700 | 14,280,545 | 3,779 | 33,701 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 20 | 369 | 91.55 | 67.3 | 9,082 | 95.3 | 158.1 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 636 | 990 | 752.7 | 750 | 10,130 | 100.6 | 807.7 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 56.2 | 56.2 | 56.2 | 56.2 | N/A | N/A | 56.2 | | Max Detect |
| 2518 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 22,700 | 22,700 | 22,700 | 22,700 | N/A | N/A | 22,700 | | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 16.6 | 29.8 | 23.62 | 24.6 | 22.9 | 4.786 | 25.71 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.9 | 13.9 | 13.9 | 13.9 | N/A | N/A | 13.9 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 19,700 | 31,200 | 27,009 | 27,200 | 10,944,909 | 3,308 | 28,817 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 23.6 | 81.9 | 49.2 | 49.8 | 368.9 | 19.21 | 59.7 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 447 | 926 | 651.4 | 640 | 19,602 | 140 | 727.9 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 69.2 | 69.2 | 69.2 | 69.2 | N/A | N/A | 69.2 | | Max Detect |
| 252 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 13 | 13 | 100% | N/A | N/A | 5,980 | 19,200 | 14,295 | 15,100 | 16,202,044 | 4,025 | 16,284 | | 95% Student's-t UCL |
| Antimony | mg/kg | 13 | 13 | 100% | N/A | N/A | 0.29 | 6.3 | 1.286 | 0.46 | 3.041 | 1.744 | 3.394 | | 95% Chebyshev (Mean, Sd) UCL |
| Arsenic | mg/kg | 28 | 28 | 100% | N/A | N/A | 22.8 | 413 | 135.8 | 83.3 | 15,392 | 124.1 | 238 | | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 13 | 13 | 100% | N/A | N/A | 10.5 | 20.9 | 15.69 | 16 | 15.79 | 3.974 | 17.66 | | 95% Student's-t UCL |
| Iron | mg/kg | 16 | 16 | 100% | N/A | N/A | 19,600 | 42,400 | 27,856 | 25,550 | 40,950,625 | 6,399 | 30,732 | | or 95% Modified-t UCL |
| Lead | mg/kg | 28 | 28 | 100% | N/A | N/A | 22.1 | 663 | 188.4 | 113 | 28,972 | 170.2 | 254.6 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 16 | 16 | 100% | N/A | N/A | 366 | 918 | 647.3 | 682.5 | 31,721 | 178.1 | 725.3 | | 95% Student's-t UCL |
| Thallium | mg/kg | 13 | 2 | 15% | 2.1 | 2.6 | 0.3 | 0.32 | 0.31 | 0.31 | 2.00E-04 | 0.0141 | 0.32 | | Max Detect |
| Vanadium | mg/kg | 13 | 13 | 100% | N/A | N/A | 36.4 | 57 | 49.69 | 52.4 | 47.56 | 6.896 | 53.1 | | 95% Student's-t UCL |
| 2520 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,200 | 18,200 | 18,200 | 18,200 | N/A | N/A | 18,200 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 14.2 | 40.4 | 25.76 | 25.7 | 72.98 | 8.543 | 30.43 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.4 | 12.4 | 12.4 | 12.4 | N/A | N/A | 12.4 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 20,300 | 37,200 | 28,555 | 28,500 | 17,444,727 | 4,177 | 30,837 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 31.9 | 110 | 61.38 | 53.2 | 748.9 | 27.37 | 76.34 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 550 | 1,160 | 727.8 | 695 | 25,343 | 159.2 | 820.2 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 55.6 | 55.6 | 55.6 | 55.6 | N/A | N/A | 55.6 | | Max Detect |
| 2521 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 12,200 | 12,200 | 12,200 | 12,200 | N/A | N/A | 12,200 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 41.6 | 28.75 | 29.1 | 79.66 | 8.925 | 33.63 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8 | 8 | 8 | 8 | N/A | N/A | 8 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,700 | 43,600 | 30,200 | 30,000 | 38,294,000 | 6,188 | 33,582 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 8.77 | 78.2 | 48.88 | 54.4 | 410.2 | 20.25 | 59.95 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 504 | 974 | 698.6 | 687 | 21,299 | 145.9 | 778.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 39.7 | 39.7 | 39.7 | 39.7 | N/A | N/A | 39.7 | | Max Detect |
| 2522 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 12,400 | 12,400 | 12,400 | 12,400 | N/A | N/A | 12,400 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 16.1 | 52.8 | 28.93 | 24.6 | 129 | 11.36 | 35.13 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 7.6 | 7.6 | 7.6 | 7.6 | N/A | N/A | 7.6 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,100 | 31,200 | 25,791 | 26,700 | 7,952,909 | 2,820 | 27,332 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 20.1 | 101 | 62.77 | 58.4 | 599.7 | 24.49 | 76.16 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|-----------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 459 | 910 | 610.1 | 580 | 14,167 | 119 | 675.1 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 42.8 | 42.8 | 42.8 | 42.8 | N/A | N/A | 42.8 | | Max Detect |
| 2523 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,200 | 18,200 | 18,200 | 18,200 | N/A | N/A | 18,200 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.4 | 170 | 48.74 | 32.5 | 2,084 | 45.65 | 73.68 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.6 | 10.6 | 10.6 | 10.6 | N/A | N/A | 10.6 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 21,400 | 31,700 | 25,745 | 25,200 | 10,456,727 | 3,234 | 27,513 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 18.7 | 191 | 62.36 | 38.3 | 2,416 | 49.15 | 89.22 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 512 | 736 | 605.4 | 601 | 4,288 | 65.48 | 641.1 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 50.2 | 50.2 | 50.2 | 50.2 | N/A | N/A | 50.2 | | Max Detect |
| 2524 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,700 | 17,700 | 17,700 | 17,700 | N/A | N/A | 17,700 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 30.7 | 56.1 | 38.52 | 38.2 | 46.67 | 6.831 | 42.25 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.9 | 12.9 | 12.9 | 12.9 | N/A | N/A | 12.9 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,100 | 34,900 | 30,718 | 30,400 | 6,791,636 | 2,606 | 32,142 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 22.2 | 120 | 60.46 | 53.2 | 823.9 | 28.7 | 76.15 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 611 | 846 | 713.5 | 715 | 4,774 | 69.09 | 751.3 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 48.2 | 48.2 | 48.2 | 48.2 | N/A | N/A | 48.2 | | Max Detect |
| 2525 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,200 | 18,200 | 18,200 | 18,200 | N/A | N/A | 18,200 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 22.3 | 46 | 30.56 | 26.9 | 69.22 | 8.32 | 35.24 | | or 95% Modified-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.7 | 13.7 | 13.7 | 13.7 | N/A | N/A | 13.7 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,000 | 39,100 | 31,282 | 31,800 | 23,915,636 | 4,890 | 33,954 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 14.5 | 49 | 29.72 | 25.8 | 135.4 | 11.64 | 36.08 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 534 | 2,360 | 787.5 | 602 | 278,345 | 527.6 | 1,101 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 57.2 | 57.2 | 57.2 | 57.2 | N/A | N/A | 57.2 | | Max Detect |
| 2526 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 19,600 | 20,700 | 20,150 | 20,150 | 605,000 | 777.8 | 20,700 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 14.3 | 33.7 | 21.77 | 20 | 33.48 | 5.786 | 24.93 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 8.7 | 9.3 | 9 | 9 | 0.18 | 0.424 | 9.3 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,900 | 37,400 | 32,027 | 33,100 | 16,324,182 | 4,040 | 34,235 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 454 | 736 | 590.6 | 576 | 8,785 | 93.73 | 641.9 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 48.9 | 61.6 | 55.25 | 55.25 | 80.65 | 8.98 | 61.6 | | Max Detect |
| 2527 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 16,400 | 16,400 | 16,400 | 16,400 | N/A | N/A | 16,400 | | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 18.9 | 127 | 38.98 | 29.15 | 1,039 | 32.24 | 89.74 | | 95% GROS Adjusted Gamma UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.8 | 9.8 | 9.8 | 9.8 | N/A | N/A | 9.8 | | Max Detect |
| Copper | mg/kg | 1 | 1 | 100% | N/A | N/A | 359 | 359 | 359 | 359 | N/A | N/A | 359 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,500 | 39,600 | 30,827 | 30,000 | 24,968,182 | 4,997 | 33,558 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 19.3 | 317 | 115.1 | 77.3 | 10,437 | 102.2 | 170.9 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 435 | 658 | 577.7 | 587 | 4,498 | 67.07 | 614.4 | | 95% Student's-t UCL |
| Thallium | mg/kg | 1 | 1 | 100% | N/A | N/A | 0.45 | 0.45 | 0.45 | 0.45 | N/A | N/A | 0.45 | | Max Detect |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 50.2 | 50.2 | 50.2 | 50.2 | N/A | N/A | 50.2 | | Max Detect |
| 2529 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,200 | 21,200 | 21,200 | 21,200 | N/A | N/A | 21,200 | | Max Detect |
| Arsenic | mg/kg | 16 | 16 | 100% | N/A | N/A | 20 | 106 | 42.26 | 34.25 | 479.6 | 21.9 | 51.86 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.8 | 8.8 | 8.8 | 8.8 | N/A | N/A | 8.8 | | Max Detect |
| Iron | mg/kg | 16 | 16 | 100% | N/A | N/A | 23,100 | 34,400 | 28,150 | 28,600 | 13,772,000 | 3,711 | 29,776 | | 95% Student's-t UCL |
| Lead | mg/kg | 16 | 16 | 100% | N/A | N/A | 26.1 | 2,240 | 358.1 | 216 | 296,125 | 544.2 | 676.2 | | 95% Adjusted Gamma UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 16 | 16 | 100% | N/A | N/A | 409 | 602 | 524.4 | 543 | 3,441 | 58.66 | 550.1 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 51.2 | 51.2 | 51.2 | 51.2 | N/A | N/A | 51.2 | Max Detect | |
| 253 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 12 | 12 | 100% | N/A | N/A | 11,400 | 22,700 | 16,258 | 15,400 | 11,324,470 | 3,365 | 18,003 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 27 | 27 | 100% | N/A | N/A | 40.8 | 104 | 63.25 | 63.9 | 235.6 | 15.35 | 68.29 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 12 | 12 | 100% | N/A | N/A | 11.7 | 27.4 | 19.2 | 19.4 | 13.88 | 3.726 | 21.13 | 95% Student's-t UCL | |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 22,700 | 81,100 | 45,174 | 43,100 | 228,600,000 | 15,118 | 50,137 | 95% Student's-t UCL | |
| Lead | mg/kg | 27 | 27 | 100% | N/A | N/A | 19.2 | 99.4 | 54.08 | 52.5 | 441.4 | 21.01 | 60.98 | 95% Student's-t UCL | |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 778 | 6,850 | 2,280 | 2,080 | 1,255,950 | 1,121 | 2,667 | or 95% Modified-t UCL | |
| Thallium | mg/kg | 12 | 10 | 83% | 0.022 | 0.022 | 0.15 | 0.77 | 0.423 | 0.48 | 0.0409 | 0.202 | 0.482 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 12 | 12 | 100% | N/A | N/A | 42 | 149 | 73.81 | 69.5 | 829.5 | 28.8 | 92.19 | 95% Adjusted Gamma UCL | |
| 2530 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,400 | 17,400 | 17,400 | 17,400 | N/A | N/A | 17,400 | Max Detect | |
| Arsenic | mg/kg | 15 | 15 | 100% | N/A | N/A | 31.4 | 130 | 52.71 | 43.8 | 580.3 | 24.09 | 64.65 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.2 | 10.2 | 10.2 | 10.2 | N/A | N/A | 10.2 | Max Detect | |
| Iron | mg/kg | 15 | 15 | 100% | N/A | N/A | 24,100 | 38,700 | 29,173 | 29,100 | 13,663,524 | 3,696 | 30,854 | 95% Student's-t UCL | |
| Lead | mg/kg | 15 | 15 | 100% | N/A | N/A | 44 | 7,420 | 723.7 | 185 | 3,456,599 | 1,859 | 2,816 | 95% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 15 | 15 | 100% | N/A | N/A | 438 | 677 | 551.5 | 542 | 5,722 | 75.65 | 585.9 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 54.2 | 54.2 | 54.2 | 54.2 | N/A | N/A | 54.2 | Max Detect | |
| Zinc | mg/kg | 15 | 15 | 100% | N/A | N/A | 142 | 2,400 | 535.6 | 339 | 321,023 | 566.6 | 1,173 | 95% Chebyshev (Mean, Sd) UCL | |
| 2532 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 27,300 | 27,300 | 27,300 | 27,300 | N/A | N/A | 27,300 | Max Detect | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 17.7 | 81.7 | 33.36 | 27.45 | 362.4 | 19.04 | 44.39 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.6 | 10.6 | 10.6 | 10.6 | N/A | N/A | 10.6 | Max Detect | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,400 | 34,600 | 27,350 | 27,650 | 27,298,333 | 5,225 | 30,379 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.3 | 138 | 51.11 | 30.05 | 2,269 | 47.64 | 78.72 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 457 | 753 | 556.1 | 552 | 7,166 | 84.65 | 605.2 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 72.8 | 72.8 | 72.8 | 72.8 | N/A | N/A | 72.8 | Max Detect | |
| 2535 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,300 | 20,300 | 20,300 | 20,300 | N/A | N/A | 20,300 | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 14.2 | 14.2 | 12.2 | 32.5 | 19.22 | 17.75 | 30.51 | 5.523 | 21.69 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.1 | 10.1 | 10.1 | 10.1 | N/A | N/A | 10.1 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,100 | 36,700 | 31,064 | 31,300 | 9,112,545 | 3,019 | 32,713 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 9 | 82% | 7 | 7 | 7 | 42.3 | 13.22 | 8.77 | 124.2 | 11.14 | 25.75 | 95% KM (Chebyshev) UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 455 | 823 | 605.9 | 575 | 12,946 | 113.8 | 670.3 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 47 | 47 | 47 | 47 | N/A | N/A | 47 | Max Detect | |
| 2536 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 21.1 | 53.9 | 37.59 | 34.25 | 92.9 | 9.638 | 42.15 | 95% Student's-t UCL | |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 26,800 | 34,700 | 30,550 | 30,600 | 4,278,077 | 2,068 | 31,529 | 95% Student's-t UCL | |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 15.2 | 276 | 107.4 | 88.2 | 7,266 | 85.24 | 147.7 | 95% Student's-t UCL | |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 551 | 714 | 617.3 | 601.5 | 2,725 | 52.2 | 642 | 95% Student's-t UCL | |
| 2537 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,000 | 17,000 | 17,000 | 17,000 | N/A | N/A | 17,000 | Max Detect | |
| Arsenic | mg/kg | 9 | 9 | 100% | N/A | N/A | 13.1 | 75 | 33.67 | 28 | 386.8 | 19.67 | 45.86 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.9 | 8.9 | 8.9 | 8.9 | N/A | N/A | 8.9 | Max Detect | |
| Iron | mg/kg | 9 | 9 | 100% | N/A | N/A | 23,700 | 39,600 | 29,689 | 29,000 | 28,838,611 | 5,370 | 33,018 | 95% Student's-t UCL | |
| Lead | mg/kg | 9 | 9 | 100% | N/A | N/A | 10.7 | 199 | 58.39 | 44 | 3,177 | 56.36 | 93.32 | 95% Student's-t UCL | |
| Manganese | mg/kg | 9 | 9 | 100% | N/A | N/A | 478 | 817 | 601.6 | 542 | 17,363 | 131.8 | 683.2 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 48.5 | 48.5 | 48.5 | 48.5 | N/A | N/A | 48.5 | Max Detect | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|----------------------|------------------|------------------------|
| | | | | | | | | | | | | Deviation of Detects | | |
| 2538 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,800 | 17,800 | 17,800 | 17,800 | N/A | N/A | 17,800 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 61.7 | 35.68 | 32.5 | 174.1 | 13.19 | 42.89 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.3 | 10.3 | 10.3 | 10.3 | N/A | N/A | 10.3 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 24,300 | 39,800 | 31,200 | 30,000 | 23,698,000 | 4,868 | 33,860 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 9.38 | 237 | 88.63 | 94.2 | 3,539 | 59.49 | 148.7 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 599 | 950 | 801.5 | 804 | 10,107 | 100.5 | 856.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 48.5 | 48.5 | 48.5 | 48.5 | N/A | N/A | 48.5 | Max Detect |
| 2539 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 28,600 | 28,600 | 28,600 | 28,600 | N/A | N/A | 28,600 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.4 | 51.6 | 33.95 | 31.4 | 92.38 | 9.611 | 39.21 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 18.4 | 18.4 | 18.4 | 18.4 | N/A | N/A | 18.4 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 37,600 | 57,300 | 45,391 | 44,400 | 38,664,909 | 6,218 | 48,789 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.9 | 169 | 57.32 | 48.1 | 1,756 | 41.9 | 80.22 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 566 | 1,440 | 945 | 878 | 75,685 | 275.1 | 1,095 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 94.3 | 94.3 | 94.3 | 94.3 | N/A | N/A | 94.3 | Max Detect |
| 254 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 14,400 | 21,400 | 18,018 | 18,500 | 5,307,636 | 2,304 | 19,277 | 95% Student's-t UCL |
| Arsenic | mg/kg | 18 | 18 | 100% | N/A | N/A | 23.4 | 119 | 48.19 | 43.35 | 610.1 | 24.7 | 58.32 | 95% Student's-t UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.9 | 17.2 | 14.9 | 15.7 | 3.274 | 1.809 | 15.89 | 95% Student's-t UCL |
| Iron | mg/kg | 18 | 18 | 100% | N/A | N/A | 26,700 | 54,100 | 34,878 | 32,900 | 46,825,359 | 6,843 | 37,684 | 95% Student's-t UCL |
| Lead | mg/kg | 18 | 18 | 100% | N/A | N/A | 11.9 | 139 | 44.86 | 36.6 | 1,004 | 31.69 | 60.54 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 18 | 18 | 100% | N/A | N/A | 528 | 942 | 766.6 | 782.5 | 11,148 | 105.6 | 809.8 | 95% Student's-t UCL |
| Thallium | mg/kg | 11 | 3 | 27% | 0.024 | 2.5 | 0.17 | 0.28 | 0.22 | 0.21 | 0.0031 | 0.0557 | 0.275 | 95% KM (t) UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 50.9 | 92.6 | 62.66 | 58.9 | 126.2 | 11.23 | 69.92 | 95% Adjusted Gamma UCL |
| 2540 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 28,000 | 28,000 | 28,000 | 28,000 | N/A | N/A | 28,000 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 16.6 | 47.2 | 26.93 | 26.9 | 66.91 | 8.18 | 31.4 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 14.3 | 14.3 | 14.3 | 14.3 | N/A | N/A | 14.3 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 27,800 | 45,400 | 38,455 | 38,800 | 19,660,727 | 4,434 | 40,878 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.9 | 47.3 | 28.85 | 24.7 | 106.4 | 10.32 | 34.48 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 606 | 2,010 | 1,165 | 1,130 | 117,723 | 343.1 | 1,352 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 78.7 | 78.7 | 78.7 | 78.7 | N/A | N/A | 78.7 | Max Detect |
| 2541 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 29,800 | 29,800 | 29,800 | 29,800 | N/A | N/A | 29,800 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 20 | 44.9 | 35.54 | 38.2 | 49.77 | 7.055 | 39.39 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.9 | 13.9 | 13.9 | 13.9 | N/A | N/A | 13.9 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 29,400 | 46,400 | 40,909 | 40,900 | 20,342,909 | 4,510 | 43,374 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 7.58 | 82.5 | 27.76 | 25.1 | 435.3 | 20.86 | 39.16 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 630 | 4,140 | 1,312 | 1,050 | 910,216 | 954.1 | 1,878 | or 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 75.5 | 75.5 | 75.5 | 75.5 | N/A | N/A | 75.5 | Max Detect |
| 2542 | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 16.6 | 39.3 | 29.78 | 33.1 | 78.43 | 8.856 | 33.64 | 95% KM (t) UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 29,500 | 49,800 | 40,973 | 41,700 | 36,780,182 | 6,065 | 44,287 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 25.1 | 58.4 | 42.47 | 44 | 139.7 | 11.82 | 48.93 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 666 | 1,630 | 1,192 | 1,180 | 59,401 | 243.7 | 1,326 | 95% Student's-t UCL |
| 2545 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,500 | 18,500 | 18,500 | 18,500 | N/A | N/A | 18,500 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 26.9 | 57.3 | 35.1 | 30.3 | 73.32 | 8.563 | 39.78 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 17.9 | 17.9 | 17.9 | 17.9 | N/A | N/A | 17.9 | Max Detect |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|-----------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 32,800 | 47,600 | 39,682 | 39,800 | 27,927,636 | 5,285 | 42,570 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 28.1 | 121 | 73.16 | 59.3 | 1,244 | 35.27 | 92.44 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 1,030 | 2,220 | 1,335 | 1,270 | 109,487 | 330.9 | 1,550 | | 95% Adjusted Gamma UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 78.7 | 78.7 | 78.7 | 78.7 | N/A | N/A | 78.7 | | Max Detect |
| 2549 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,600 | 18,600 | 18,600 | 18,600 | N/A | N/A | 18,600 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 22.3 | 34.8 | 28.61 | 28 | 14.72 | 3.837 | 30.71 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.9 | 13.9 | 13.9 | 13.9 | N/A | N/A | 13.9 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 20,400 | 36,000 | 28,755 | 29,300 | 25,172,727 | 5,017 | 31,496 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.9 | 81 | 48.52 | 42.3 | 318.5 | 17.85 | 58.27 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 593 | 1,080 | 711.5 | 669 | 19,254 | 138.8 | 787.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 66.4 | 66.4 | 66.4 | 66.4 | N/A | N/A | 66.4 | | Max Detect |
| 255 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 12,700 | 21,900 | 16,770 | 15,650 | 8,762,333 | 2,960 | 18,486 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 19 | 19 | 100% | N/A | N/A | 8.5 | 129 | 37.01 | 30.3 | 606.9 | 24.64 | 47.4 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.1 | 17.8 | 15.25 | 15.15 | 1.987 | 1.41 | 16.07 | | 95% Student's-t UCL |
| Iron | mg/kg | 19 | 19 | 100% | N/A | N/A | 22,300 | 48,800 | 32,668 | 31,800 | 50,690,058 | 7,120 | 35,501 | | 95% Student's-t UCL |
| Lead | mg/kg | 19 | 18 | 95% | 7 | 7 | 9.4 | 64 | 28.47 | 24 | 259.9 | 16.12 | 37.94 | | 95% GROS Adjusted Gamma UCL |
| Manganese | mg/kg | 19 | 19 | 100% | N/A | N/A | 568 | 1,090 | 793.3 | 762 | 13,791 | 117.4 | 840 | | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 6 | 60% | 2.5 | 2.5 | 0.2 | 0.25 | 0.223 | 0.22 | 0.00034667 | 0.0186 | 0.237 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 33.4 | 62 | 50.38 | 50.5 | 73.23 | 8.558 | 55.34 | | 95% Student's-t UCL |
| 2550 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,900 | 17,900 | 17,900 | 17,900 | N/A | N/A | 17,900 | | Max Detect |
| Arsenic | mg/kg | 11 | 10 | 91% | 14.2 | 14.2 | 18.9 | 75 | 37.05 | 32.5 | 251.4 | 15.86 | 44.06 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.7 | 9.7 | 9.7 | 9.7 | N/A | N/A | 9.7 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 21,300 | 33,900 | 28,445 | 27,900 | 12,786,727 | 3,576 | 30,400 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 10 | 91% | 7 | 7 | 31.2 | 625 | 206.9 | 157.5 | 31,914 | 178.6 | 287.5 | | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 514 | 709 | 606 | 614 | 3,859 | 62.12 | 639.9 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 48.5 | 48.5 | 48.5 | 48.5 | N/A | N/A | 48.5 | | Max Detect |
| 256 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 16,900 | 30,000 | 22,770 | 22,650 | 14,709,000 | 3,835 | 24,993 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 23.3 | 36.2 | 29.45 | 30 | 14.49 | 3.807 | 31.66 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.3 | 22.9 | 19.34 | 19.5 | 4.336 | 2.082 | 20.55 | | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 50.9 | 335 | 182.6 | 183 | 6,185 | 78.64 | 228.2 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 23,400 | 36,400 | 30,860 | 31,400 | 13,113,778 | 3,621 | 32,959 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.4 | 46.8 | 31.8 | 32 | 140.9 | 11.87 | 38.68 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 1,600 | 2,710 | 1,846 | 1,770 | 106,916 | 327 | 2,071 | | 95% Adjusted Gamma UCL |
| Thallium | mg/kg | 10 | 4 | 40% | 2.5 | 2.6 | 0.48 | 0.84 | 0.618 | 0.575 | 0.0268 | 0.164 | 0.768 | | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 44.3 | 76.7 | 61.82 | 60.05 | 94.36 | 9.714 | 67.45 | | 95% Student's-t UCL |
| 257 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,600 | 19,400 | 14,490 | 13,900 | 6,096,556 | 2,469 | 15,976 | | or 95% Modified-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.9 | 28.9 | 23.68 | 25.45 | 30.24 | 5.499 | 26.87 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.2 | 15.8 | 11.27 | 10.95 | 2.787 | 1.669 | 12.31 | | or 95% Modified-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,000 | 28,600 | 20,990 | 20,800 | 8,552,111 | 2,924 | 22,793 | | or 95% Modified-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 17 | 69.9 | 47.98 | 52.85 | 359 | 18.95 | 58.96 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 446 | 800 | 537.2 | 507 | 10,795 | 103.9 | 597.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 30.7 | 56.6 | 37.33 | 35.6 | 52.27 | 7.23 | 42.31 | | 95% Adjusted Gamma UCL |
| 258 and 00W | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 9,860 | 14,800 | 13,106 | 13,350 | 2,247,471 | 1,499 | 13,975 | | 95% Student's-t UCL |
| Arsenic | mg/kg | 38 | 22 | 58% | 40.4 | 40.4 | 18.2 | 128 | 54.65 | 46.6 | 808.2 | 28.43 | 51.99 | | 95% Adjusted Gamma KM-UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 9.4 | 16.1 | 13.16 | 13.75 | 4.496 | 2.12 | 14.39 | 14.39 | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 70.5 | 421 | 196 | 178 | 9,611 | 98.04 | 252.8 | 252.8 | 95% Student's-t UCL |
| Cyanide | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.31 | 11.6 | 1.906 | 0.55 | 12.09 | 3.477 | 6.698 | 6.698 | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 18,800 | 29,700 | 22,490 | 22,050 | 9,329,889 | 3,054 | 24,261 | 24,261 | 95% Student's-t UCL |
| Lead | mg/kg | 38 | 37 | 97% | 31.2 | 31.2 | 24 | 605 | 107.4 | 62.8 | 15,388 | 124 | 192.3 | 192.3 | 95% KM (Chebyshev) UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 572 | 1,820 | 893.5 | 758 | 151,700 | 389.5 | 1,184 | 1,184 | 95% Adjusted Gamma UCL |
| Thallium | mg/kg | 10 | 5 | 50% | 2.5 | 2.7 | 0.14 | 0.4 | 0.238 | 0.17 | 0.0142 | 0.119 | 0.336 | 0.336 | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 36.7 | 52.6 | 41.45 | 40.05 | 26.03 | 5.101 | 44.41 | 44.41 | 95% Student's-t UCL |
| 2602 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 12,300 | 12,300 | 12,300 | 12,300 | N/A | N/A | 12,300 | 12,300 | Max Detect |
| Arsenic | mg/kg | 14 | 13 | 93% | 14.2 | 14.2 | 15.9 | 863 | 170.9 | 61.7 | 61,287 | 247.6 | 441.9 | 441.9 | 95% KM (Chebyshev) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 6.5 | 6.5 | 6.5 | 6.5 | N/A | N/A | 6.5 | 6.5 | Max Detect |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 18,100 | 81,500 | 38,279 | 34,100 | 237,800,000 | 15,422 | 45,578 | 45,578 | 95% Student's-t UCL |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 8.77 | 20,500 | 2,920 | 140.5 | 35,210,691 | 5,934 | 18,699 | 18,699 | 99% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 342 | 727 | 571.1 | 633.5 | 19,639 | 140.1 | 637.5 | 637.5 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 42 | 42 | 42 | 42 | N/A | N/A | 42 | 42 | Max Detect |
| Zinc | mg/kg | 14 | 14 | 100% | N/A | N/A | 56.8 | 4,470 | 975.6 | 410.5 | 1,490,815 | 1,221 | 1,947 | 1,947 | 95% Adjusted Gamma UCL |
| 2603 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 18,700 | 20,500 | 19,600 | 19,600 | 1,620,000 | 1,273 | 20,500 | 20,500 | Max Detect |
| Arsenic | mg/kg | 20 | 19 | 95% | 13.1 | 13.1 | 13.1 | 170 | 42.56 | 34.8 | 1,089 | 33 | 73.1 | 73.1 | 95% KM (Chebyshev) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11.2 | 16.2 | 13.7 | 13.7 | 12.5 | 3.536 | 16.2 | 16.2 | Max Detect |
| Iron | mg/kg | 20 | 20 | 100% | N/A | N/A | 18,200 | 36,900 | 29,970 | 31,250 | 26,104,316 | 5,109 | 31,945 | 31,945 | 95% Student's-t UCL |
| Lead | mg/kg | 20 | 20 | 100% | N/A | N/A | 32.8 | 372 | 112.8 | 86.6 | 6,270 | 79.19 | 147.6 | 147.6 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 20 | 20 | 100% | N/A | N/A | 175 | 1,050 | 658.8 | 627 | 30,047 | 173.3 | 725.8 | 725.8 | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 56.9 | 78.2 | 67.55 | 67.55 | 226.8 | 15.06 | 78.2 | 78.2 | Max Detect |
| 2606 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,100 | 19,100 | 19,100 | 19,100 | N/A | N/A | 19,100 | 19,100 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.4 | 86.1 | 32.76 | 30.3 | 382 | 19.54 | 46.49 | 46.49 | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.8 | 9.8 | 9.8 | 9.8 | N/A | N/A | 9.8 | 9.8 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 20,900 | 35,500 | 30,227 | 31,400 | 18,634,182 | 4,317 | 32,586 | 32,586 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 21.4 | 101 | 48.03 | 39.1 | 752.2 | 27.43 | 63.02 | 63.02 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 425 | 870 | 596.9 | 598 | 17,410 | 131.9 | 669 | 669 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 60.5 | 60.5 | 60.5 | 60.5 | N/A | N/A | 60.5 | 60.5 | Max Detect |
| 261 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 15,800 | 25,300 | 18,391 | 17,400 | 9,316,909 | 3,052 | 20,059 | 20,059 | 95% Student's-t UCL |
| Arsenic | mg/kg | 27 | 27 | 100% | N/A | N/A | 42.7 | 100 | 64.88 | 61.7 | 204.1 | 14.29 | 69.57 | 69.57 | 95% Student's-t UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.2 | 33.1 | 20.55 | 18.3 | 30.86 | 5.555 | 23.59 | 23.59 | 95% Student's-t UCL |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 22,500 | 69,100 | 41,093 | 38,800 | 128,200,000 | 11,322 | 44,809 | 44,809 | 95% Student's-t UCL |
| Lead | mg/kg | 27 | 27 | 100% | N/A | N/A | 9.38 | 164 | 31.2 | 22.2 | 923.7 | 30.39 | 40.59 | 40.59 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 823 | 2,700 | 1,403 | 1,360 | 207,735 | 455.8 | 1,553 | 1,553 | 95% Student's-t UCL |
| Thallium | mg/kg | 11 | 10 | 91% | 0.023 | 0.023 | 0.21 | 1 | 0.563 | 0.52 | 0.065 | 0.255 | 0.674 | 0.674 | 95% KM (t) UCL |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 60.5 | 126 | 83.28 | 79.2 | 340.8 | 18.46 | 93.37 | 93.37 | 95% Student's-t UCL |
| 2610 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 12,900 | 16,300 | 14,600 | 14,600 | 5,780,000 | 2,404 | 16,300 | 16,300 | Max Detect |
| Arsenic | mg/kg | 11 | 7 | 64% | 13.1 | 13.1 | 12.2 | 33.7 | 21.53 | 20 | 55.58 | 7.455 | 22.33 | 22.33 | 95% KM (t) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 7.5 | 9.3 | 8.4 | 8.4 | 1.62 | 1.273 | 9.3 | 9.3 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 1,070 | 28,600 | 16,708 | 18,100 | 75,270,816 | 8,676 | 21,449 | 21,449 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 4.23 | 163 | 49.11 | 35.9 | 1,903 | 43.63 | 72.95 | 72.95 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 10 | 91% | 151 | 151 | 264 | 706 | 466.6 | 491.5 | 20,775 | 144.1 | 529.4 | 529.4 | 95% KM (t) UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|----------------------|------------------|------------------------|
| | | | | | | | | | | | | Deviation of Detects | | |
| 2612 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,600 | 17,600 | 17,600 | 17,600 | N/A | N/A | 17,600 | Max Detect |
| Arsenic | mg/kg | 11 | 9 | 82% | 14.2 | 14.2 | 10.5 | 35.9 | 20.47 | 16.6 | 58.94 | 7.677 | 23.06 | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.4 | 10.4 | 10.4 | 10.4 | N/A | N/A | 10.4 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,600 | 36,300 | 32,391 | 32,400 | 7,230,909 | 2,689 | 33,860 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 7 | 64% | 7 | 7 | 7 | 46.5 | 18.39 | 10.6 | 211.9 | 14.56 | 21.37 | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 485 | 734 | 590 | 570 | 4,979 | 70.56 | 628.6 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 58.3 | 58.3 | 58.3 | 58.3 | N/A | N/A | 58.3 | Max Detect |
| 2615 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 24,600 | 24,600 | 24,600 | 24,600 | N/A | N/A | 24,600 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 145 | 1,110 | 611.8 | 684 | 92,502 | 304.1 | 778 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 38.1 | 38.1 | 38.1 | 38.1 | N/A | N/A | 38.1 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 39,200 | 113,000 | 83,664 | 93,300 | 746,200,000 | 27,317 | 98,592 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 6.6 | 128 | 39.26 | 25.8 | 1,095 | 33.09 | 57.35 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 1,030 | 4,510 | 2,829 | 3,040 | 1,619,449 | 1,273 | 3,525 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 211 | 211 | 211 | 211 | N/A | N/A | 211 | Max Detect |
| 262 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 11,000 | 17,200 | 15,000 | 15,450 | 3,104,444 | 1,762 | 16,021 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.6 | 44.7 | 27 | 25.6 | 117.8 | 10.85 | 33.29 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.4 | 13.5 | 11.89 | 11.75 | 0.883 | 0.94 | 12.43 | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 31 | 929 | 182.5 | 67 | 79,054 | 281.2 | 468.6 | 95% Adjusted Gamma UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 19,300 | 26,300 | 21,500 | 20,950 | 3,673,333 | 1,917 | 22,611 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.1 | 305 | 89.5 | 44.85 | 11,415 | 106.8 | 204.4 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 458 | 753 | 602 | 593.5 | 6,798 | 82.45 | 649.8 | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 6 | 60% | 2.5 | 3 | 0.16 | 0.31 | 0.213 | 0.205 | 0.00291 | 0.0539 | 0.254 | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 31 | 42.7 | 37.47 | 37.4 | 14.32 | 3.784 | 39.66 | 95% Student's-t UCL |
| 263 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,400 | 20,900 | 18,540 | 18,950 | 4,689,333 | 2,165 | 19,795 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 14.8 | 30.7 | 20.86 | 20.65 | 18.15 | 4.26 | 23.33 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 11.1 | 22.7 | 14.68 | 13.7 | 10.9 | 3.301 | 16.59 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 20,500 | 25,000 | 22,600 | 22,400 | 2,208,889 | 1,486 | 23,462 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 15.5 | 75.1 | 28.04 | 23.45 | 294.3 | 17.16 | 38.77 | or 95% Modified-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 616 | 975 | 735.2 | 719 | 11,278 | 106.2 | 796.8 | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 2 | 20% | 2.5 | 2.6 | 0.17 | 0.19 | 0.18 | 0.18 | 0.0002 | 0.0141 | 0.19 | Max Detect |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 37.8 | 49.3 | 43.21 | 42.35 | 12.51 | 3.537 | 45.26 | 95% Student's-t UCL |
| 265 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 14,200 | 23,100 | 18,680 | 19,400 | 6,235,111 | 2,497 | 20,127 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 19.1 | 66.4 | 34.25 | 29.7 | 201.2 | 14.18 | 42.47 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 13.6 | 21.1 | 18.08 | 18.6 | 5.591 | 2.364 | 19.45 | 95% Student's-t UCL |
| Copper | mg/kg | 10 | 10 | 100% | N/A | N/A | 80.2 | 368 | 170 | 134 | 9,150 | 95.66 | 225.5 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 20,900 | 34,700 | 27,980 | 27,550 | 22,599,556 | 4,754 | 30,736 | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 27.5 | 196 | 78.93 | 52.55 | 3,453 | 58.76 | 113 | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 914 | 1,720 | 1,339 | 1,350 | 70,186 | 264.9 | 1,493 | 95% Student's-t UCL |
| Thallium | mg/kg | 10 | 10 | 100% | 2.5 | 2.7 | 0.18 | 0.48 | 0.29 | 0.21 | 0.0273 | 0.165 | 0.465 | 95% KM (t) UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 40.7 | 71.8 | 52.44 | 52.1 | 83.49 | 9.137 | 57.74 | 95% Student's-t UCL |
| 267 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 10,900 | 14,700 | 13,100 | 13,200 | 1,840,000 | 1,356 | 13,886 | 95% Student's-t UCL |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 25.5 | 128 | 65.78 | 50.85 | 1,254 | 35.41 | 86.31 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 8.6 | 13.2 | 11.36 | 11.7 | 2.363 | 1.537 | 12.25 | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 22,500 | 37,400 | 28,940 | 28,350 | 20,696,000 | 4,549 | 31,577 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 24.3 | 285 | 139.7 | 108.7 | 8,466 | 92.01 | 193.1 | | 95% Student's-t UCL |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 450 | 871 | 601.9 | 598.5 | 15,357 | 123.9 | 673.7 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 38.3 | 68.1 | 48.12 | 45 | 74.13 | 8.61 | 54.27 | | 95% Adjusted Gamma UCL |
| 268 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 12 | 12 | 100% | N/A | N/A | 13,500 | 29,300 | 19,550 | 18,450 | 28,153,636 | 5,306 | 22,301 | | 95% Student's-t UCL |
| Antimony | mg/kg | 12 | 9 | 75% | 0.15 | 6.1 | 0.21 | 3.1 | 1.434 | 1.4 | 1.189 | 1.09 | 1.807 | | 95% KM (t) UCL |
| Arsenic | mg/kg | 27 | 27 | 100% | N/A | N/A | 26.9 | 124 | 59.04 | 51.6 | 672.3 | 25.93 | 68.6 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 12 | 12 | 100% | N/A | N/A | 13.8 | 26.3 | 20.17 | 20.3 | 20.03 | 4.475 | 22.49 | | 95% Student's-t UCL |
| Copper | mg/kg | 12 | 12 | 100% | N/A | N/A | 85.5 | 682 | 285 | 210 | 42,860 | 207 | 392.3 | | 95% Student's-t UCL |
| Iron | mg/kg | 27 | 27 | 100% | N/A | N/A | 25,900 | 68,100 | 37,730 | 37,500 | 77,986,011 | 8,831 | 40,728 | | 95% Modified-t UCL |
| Lead | mg/kg | 27 | 27 | 100% | N/A | N/A | 21.4 | 234 | 77.09 | 55.5 | 4,021 | 63.41 | 101.3 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 27 | 27 | 100% | N/A | N/A | 788 | 2,760 | 1,445 | 1,430 | 261,138 | 511 | 1,612 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 12 | 12 | 100% | N/A | N/A | 65.6 | 141 | 84.43 | 81.2 | 452.9 | 21.28 | 97.44 | | 95% Adjusted Gamma UCL |
| 2691 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 11,700 | 11,700 | 11,700 | 11,700 | N/A | N/A | 11,700 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 28 | 108 | 63.98 | 57.2 | 665.4 | 25.8 | 78.08 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.9 | 10.9 | 10.9 | 10.9 | N/A | N/A | 10.9 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,700 | 39,100 | 29,855 | 30,000 | 18,042,727 | 4,248 | 32,176 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 37.5 | 463 | 210.8 | 190 | 18,143 | 134.7 | 284.4 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 446 | 679 | 570.8 | 599 | 6,471 | 80.44 | 614.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 43.1 | 43.1 | 43.1 | 43.1 | N/A | N/A | 43.1 | | Max Detect |
| 2693 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 25,300 | 25,300 | 25,300 | 25,300 | N/A | N/A | 25,300 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 33.7 | 65 | 51.52 | 51.6 | 118.9 | 10.91 | 57.48 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 19.2 | 19.2 | 19.2 | 19.2 | N/A | N/A | 19.2 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 37,500 | 63,600 | 45,236 | 42,900 | 45,304,545 | 6,731 | 48,915 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 10 | 91% | 16.5 | 16.5 | 50.7 | 139 | 82.31 | 73.65 | 751.2 | 27.41 | 94.29 | | 95% KM (t) UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 1,210 | 2,380 | 1,470 | 1,400 | 99,820 | 315.9 | 1,656 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 88.6 | 88.6 | 88.6 | 88.6 | N/A | N/A | 88.6 | | Max Detect |
| 2701 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 15,700 | 15,700 | 15,700 | 15,700 | N/A | N/A | 15,700 | | Max Detect |
| Arsenic | mg/kg | 12 | 12 | 100% | N/A | N/A | 15.4 | 31.4 | 23.03 | 22.85 | 32.79 | 5.726 | 26 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.7 | 12.7 | 12.7 | 12.7 | N/A | N/A | 12.7 | | Max Detect |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 23,800 | 31,700 | 27,658 | 26,900 | 7,737,197 | 2,782 | 29,100 | | 95% Student's-t UCL |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 32.9 | 57.6 | 45.12 | 44.8 | 45.69 | 6.759 | 48.62 | | 95% Student's-t UCL |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 447 | 740 | 625.9 | 624.5 | 8,002 | 89.46 | 672.3 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 59.1 | 59.1 | 59.1 | 59.1 | N/A | N/A | 59.1 | | Max Detect |
| 2702 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 26,300 | 26,300 | 26,300 | 26,300 | N/A | N/A | 26,300 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.7 | 32.5 | 24.4 | 24.6 | 20.3 | 4.506 | 26.86 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 14.7 | 14.7 | 14.7 | 14.7 | N/A | N/A | 14.7 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 31,700 | 41,000 | 34,473 | 33,000 | 10,200,182 | 3,194 | 36,218 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 627 | 1,090 | 754.6 | 685 | 23,755 | 154.1 | 842.7 | | or 95% Modified-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 68.4 | 68.4 | 68.4 | 68.4 | N/A | N/A | 68.4 | | Max Detect |
| 2704 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 15,600 | 20,800 | 18,267 | 18,400 | 6,773,333 | 2,603 | 20,800 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 13.1 | 26.9 | 18.05 | 17.7 | 17.47 | 4.18 | 19.82 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 11 | 14.9 | 13.17 | 13.6 | 3.943 | 1.986 | 14.9 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 22,600 | 42,300 | 32,665 | 33,600 | 26,579,926 | 5,156 | 34,848 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 388 | 1,040 | 654.3 | 652 | 18,925 | 137.6 | 712.5 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 60.8 | 86.5 | 75.33 | 78.7 | 173.6 | 13.18 | 86.5 | | Max Detect |
| 2707 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 16.6 | 37 | 27.35 | 28 | 48.9 | 6.993 | 31.18 | | 95% Student's-t UCL |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,500 | 37,900 | 28,873 | 28,300 | 19,844,182 | 4,455 | 31,307 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 21.4 | 64.6 | 36.45 | 29.6 | 215.9 | 14.69 | 44.48 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 648 | 1,130 | 833.2 | 838 | 17,093 | 130.7 | 904.6 | | 95% Student's-t UCL |
| 2708 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 24,200 | 24,200 | 24,200 | 24,200 | N/A | N/A | 24,200 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 16.6 | 65 | 36.04 | 37 | 179.6 | 13.4 | 43.36 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 17.6 | 17.6 | 17.6 | 17.6 | N/A | N/A | 17.6 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,100 | 39,000 | 34,673 | 34,300 | 16,478,182 | 4,059 | 36,891 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 10 | 348 | 102.4 | 104 | 9,565 | 97.8 | 155.9 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 645 | 1,320 | 846.1 | 838 | 31,207 | 176.7 | 961.4 | | 95% Adjusted Gamma UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 69.1 | 69.1 | 69.1 | 69.1 | N/A | N/A | 69.1 | | Max Detect |
| 2709 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 24,200 | 24,200 | 24,200 | 24,200 | N/A | N/A | 24,200 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 23.4 | 62.8 | 35.47 | 33.7 | 123.4 | 11.11 | 41.54 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 14.6 | 14.6 | 14.6 | 14.6 | N/A | N/A | 14.6 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,100 | 33,900 | 29,964 | 30,400 | 7,568,545 | 2,751 | 31,467 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 20.7 | 542 | 112.2 | 81.9 | 21,552 | 146.8 | 223.2 | | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 648 | 1,050 | 821.3 | 830 | 11,414 | 106.8 | 879.7 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 70.2 | 70.2 | 70.2 | 70.2 | N/A | N/A | 70.2 | | Max Detect |
| 2710 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 21,000 | 23,400 | 21,867 | 21,200 | 1,773,333 | 1,332 | 23,400 | | Max Detect |
| Arsenic | mg/kg | 22 | 22 | 100% | N/A | N/A | 22.3 | 58.3 | 33.7 | 30.6 | 106.7 | 10.33 | 37.49 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 12.2 | 15.5 | 13.37 | 12.4 | 3.423 | 1.85 | 15.5 | | Max Detect |
| Iron | mg/kg | 22 | 22 | 100% | N/A | N/A | 26,900 | 79,100 | 35,455 | 30,350 | 178,800,000 | 13,371 | 40,590 | | or 95% Modified-t UCL |
| Lead | mg/kg | 22 | 21 | 95% | 7 | 7 | 7.58 | 270 | 66.46 | 39.9 | 4,134 | 64.3 | 123.3 | | 95% KM (Chebyshev) UCL |
| Manganese | mg/kg | 22 | 22 | 100% | N/A | N/A | 616 | 1,970 | 1,008 | 958 | 120,265 | 346.8 | 1,144 | | 95% Adjusted Gamma UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 53.3 | 64.9 | 57.33 | 53.8 | 43 | 6.558 | 64.9 | | Max Detect |
| 2713B | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 16.9 | 55.1 | 30.05 | 27.7 | 119.9 | 10.95 | 36.4 | | 95% Student's-t UCL |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 20,000 | 35,200 | 28,300 | 27,800 | 17,717,778 | 4,209 | 30,740 | | 95% Student's-t UCL |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 28.2 | 51.3 | 51.3 | 46.85 | 462.4 | 21.5 | 51.3 | | Max Detect |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 821 | 1,478 | 1,478 | 1,450 | 119,894 | 346.3 | 1,478 | | Max Detect |
| 2715 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 12,800 | 12,800 | 12,800 | 12,800 | N/A | N/A | 12,800 | | Max Detect |
| Arsenic | mg/kg | 11 | 9 | 82% | 13.1 | 13.1 | 15.4 | 38.2 | 25.43 | 24.6 | 56.78 | 7.535 | 27.83 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.8 | 8.8 | 8.8 | 8.8 | N/A | N/A | 8.8 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 8,980 | 27,700 | 20,271 | 21,600 | 32,439,309 | 5,696 | 23,383 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 20.7 | 93.3 | 45.91 | 38.3 | 514 | 22.67 | 58.3 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 209 | 926 | 592.7 | 591 | 34,548 | 185.9 | 694.3 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 49 | 49 | 49 | 49 | N/A | N/A | 49 | | Max Detect |
| 2718 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,400 | 17,400 | 17,400 | 17,400 | N/A | N/A | 17,400 | | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 33.7 | 87.2 | 56.98 | 57.2 | 261.9 | 16.18 | 65.83 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 17.1 | 17.1 | 17.1 | 17.1 | N/A | N/A | 17.1 | | Max Detect |
| Copper | mg/kg | 1 | 1 | 100% | N/A | N/A | 472 | 472 | 472 | 472 | N/A | N/A | 472 | | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 32,800 | 50,300 | 42,136 | 42,700 | 34,190,545 | 5,847 | 45,332 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 49 | 384 | 230.9 | 206 | 12,800 | 113.1 | 292.7 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 878 | 2,220 | 1,617 | 1,700 | 201,027 | 448.4 | 1,862 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 85.9 | 85.9 | 85.9 | 85.9 | N/A | N/A | 85.9 | Max Detect | |
| 2719 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 15,500 | 20,900 | 18,200 | 18,200 | 14,580,000 | 3,818 | 20,900 | Max Detect | |
| Antimony | mg/kg | 2 | 2 | 100% | N/A | N/A | 1.1 | 45.5 | 23.3 | 23.3 | 985.7 | 31.4 | 45.5 | Max Detect | |
| Arsenic | mg/kg | 14 | 14 | 100% | N/A | N/A | 31.4 | 601 | 112.4 | 52.2 | 25,671 | 160.2 | 299.1 | 95% Chebyshev (Mean, Sd) UCL | |
| Cadmium | mg/kg | 2 | 2 | 100% | N/A | N/A | 1 | 32.9 | 16.95 | 16.95 | 508.8 | 22.56 | 32.9 | Max Detect | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 13.5 | 18.5 | 16 | 16 | 12.5 | 3.536 | 18.5 | Max Detect | |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 174 | 2,020 | 1,097 | 1,097 | 1,703,858 | 1,305 | 2,020 | Max Detect | |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 32,500 | 52,500 | 38,457 | 37,150 | 23,805,714 | 4,879 | 40,882 | or 95% Modified-t UCL | |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 31.2 | 10,500 | 1,119 | 121 | 7,760,135 | 2,786 | 8,527 | 99% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 14 | 14 | 100% | N/A | N/A | 1,110 | 1,930 | 1,478 | 1,435 | 83,049 | 288.2 | 1,614 | 95% Student's-t UCL | |
| Mercury | mg/kg | 2 | 2 | 100% | N/A | N/A | 0.23 | 2.8 | 1.515 | 1.515 | 3.302 | 1.817 | 2.8 | Max Detect | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 90.2 | 182 | 136.1 | 136.1 | 4,214 | 64.91 | 182 | Max Detect | |
| Zinc | mg/kg | 14 | 14 | 100% | N/A | N/A | 127 | 2,620 | 671.1 | 338 | 558,729 | 747.5 | 1,177 | 95% Adjusted Gamma UCL | |
| 2720 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,800 | 20,800 | 20,800 | 20,800 | N/A | N/A | 20,800 | Max Detect | |
| Arsenic | mg/kg | 12 | 12 | 100% | N/A | N/A | 43.8 | 101 | 62.07 | 56.65 | 259 | 16.09 | 72.21 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 20.9 | 20.9 | 20.9 | 20.9 | N/A | N/A | 20.9 | Max Detect | |
| Copper | mg/kg | 1 | 1 | 100% | N/A | N/A | 373 | 373 | 373 | 373 | N/A | N/A | 373 | Max Detect | |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 34,900 | 48,800 | 43,267 | 43,450 | 13,498,788 | 3,674 | 45,171 | 95% Student's-t UCL | |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 37.5 | 135 | 89.84 | 91.85 | 1,200 | 34.64 | 107.8 | 95% Student's-t UCL | |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 1,040 | 1,930 | 1,513 | 1,525 | 62,770 | 250.5 | 1,643 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 126 | 126 | 126 | 126 | N/A | N/A | 126 | Max Detect | |
| 2723 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 23,400 | 23,400 | 23,400 | 23,400 | N/A | N/A | 23,400 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 13.1 | 50.5 | 23.37 | 22.3 | 112.6 | 10.61 | 29.17 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.4 | 13.4 | 13.4 | 13.4 | N/A | N/A | 13.4 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 31,300 | 43,400 | 36,809 | 36,800 | 14,292,909 | 3,781 | 38,875 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 13.2 | 58.4 | 23.07 | 20.7 | 155.2 | 12.46 | 30.38 | or 95% Modified-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 657 | 1,800 | 975.4 | 830 | 126,759 | 356 | 1,170 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 80.4 | 80.4 | 80.4 | 80.4 | N/A | N/A | 80.4 | Max Detect | |
| 2724 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 12,700 | 12,700 | 12,700 | 12,700 | N/A | N/A | 12,700 | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 11.9 | 11.9 | 10.9 | 41.6 | 22.36 | 19.45 | 128.8 | 11.35 | 30.83 | 95% GROS Adjusted Gamma UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.9 | 8.9 | 8.9 | 8.9 | N/A | N/A | 8.9 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 19,800 | 58,600 | 38,955 | 41,200 | 135,300,000 | 11,634 | 45,312 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 9.38 | 81 | 24.12 | 17.2 | 432.8 | 20.8 | 39.28 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 414 | 1,580 | 917.4 | 918 | 91,262 | 302.1 | 1,082 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 52.6 | 52.6 | 52.6 | 52.6 | N/A | N/A | 52.6 | Max Detect | |
| 2725 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 21,400 | 30,800 | 26,100 | 26,100 | 44,180,000 | 6,647 | 30,800 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 38.2 | 120 | 63.89 | 55 | 711.2 | 26.67 | 78.46 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 18.2 | 19.2 | 18.7 | 18.7 | 0.5 | 0.707 | 19.2 | Max Detect | |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 96.8 | 369 | 232.9 | 232.9 | 37,046 | 192.5 | 369 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 31,400 | 55,600 | 46,273 | 46,600 | 50,050,182 | 7,075 | 50,139 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 35.9 | 287 | 111.7 | 78.2 | 8,237 | 90.76 | 161.3 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 762 | 2,350 | 1,688 | 1,750 | 210,785 | 459.1 | 1,939 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 106 | 109 | 107.5 | 107.5 | 4.5 | 2.121 | 109 | Max Detect | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| | | | | | | | | | | | | Standard | | |
|-----------|-------|--------------|-----------|----------|------------|------------|---------|---------|---------|-----------|-------------|--------------|------------------|------------------------------|
| | | Number of | Number of | Percent | Minimum | Maximum | Minimum | Maximum | Mean of | Median of | Variance of | Deviation of | | |
| Analyte | Units | Observations | Detects | Detected | Non-detect | Non-detect | Detect | Detect | Detects | Detects | Detects | Detects | EPC ^a | EPC Basis |
| 2726 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 25,200 | 25,200 | 25,200 | 25,200 | N/A | N/A | 25,200 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 30.3 | 55 | 46.05 | 50.5 | 69.39 | 8.33 | 50.6 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 19.3 | 19.3 | 19.3 | 19.3 | N/A | N/A | 19.3 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 37,700 | 53,000 | 46,009 | 46,400 | 23,370,909 | 4,834 | 48,651 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 31.2 | 107 | 62.33 | 54.1 | 566.6 | 23.8 | 75.33 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 1,470 | 2,420 | 1,862 | 1,820 | 55,616 | 235.8 | 1,991 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 102 | 102 | 102 | 102 | N/A | N/A | 102 | Max Detect |
| 2736 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,100 | 19,100 | 19,100 | 19,100 | N/A | N/A | 19,100 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 14.2 | 110 | 41.98 | 35.9 | 655.2 | 25.6 | 55.97 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 17.7 | 17.7 | 17.7 | 17.7 | N/A | N/A | 17.7 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 34,300 | 58,600 | 42,555 | 41,500 | 50,320,727 | 7,094 | 46,431 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 708 | 1,630 | 1,217 | 1,320 | 93,952 | 306.5 | 1,385 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 80.5 | 80.5 | 80.5 | 80.5 | N/A | N/A | 80.5 | Max Detect |
| 2740 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,200 | 21,200 | 21,200 | 21,200 | N/A | N/A | 21,200 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 20 | 82.8 | 40.98 | 31.7 | 394.1 | 19.85 | 51.83 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.8 | 12.8 | 12.8 | 12.8 | N/A | N/A | 12.8 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 27,200 | 34,000 | 30,591 | 30,100 | 4,268,909 | 2,066 | 31,720 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 19.3 | 65.5 | 43.37 | 45.6 | 242.1 | 15.56 | 51.88 | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 606 | 1,250 | 950.6 | 875 | 39,541 | 198.9 | 1,059 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 65.9 | 65.9 | 65.9 | 65.9 | N/A | N/A | 65.9 | Max Detect |
| 2741 | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,600 | 21,600 | 21,600 | 21,600 | N/A | N/A | 21,600 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.9 | 65 | 31.97 | 26.9 | 183.4 | 13.54 | 39.37 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12 | 12 | 12 | 12 | N/A | N/A | 12 | Max Detect |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 27,000 | 39,500 | 33,418 | 31,400 | 16,363,636 | 4,045 | 35,629 | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 8.77 | 252 | 78.88 | 47.3 | 6,192 | 78.69 | 160.6 | 95% Adjusted Gamma UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 543 | 1,020 | 756.3 | 757 | 26,590 | 163.1 | 845.4 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 70.4 | 70.4 | 70.4 | 70.4 | N/A | N/A | 70.4 | Max Detect |
| 2743A | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 20,700 | 20,700 | 20,700 | 20,700 | N/A | N/A | 20,700 | Max Detect |
| Arsenic | mg/kg | 24 | 23 | 96% | 13.1 | 13.1 | 11.9 | 40.4 | 18.93 | 18.9 | 28.48 | 5.336 | 23.46 | 95% KM (Chebyshev) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.5 | 12.5 | 12.5 | 12.5 | N/A | N/A | 12.5 | Max Detect |
| Iron | mg/kg | 24 | 24 | 100% | N/A | N/A | 23,800 | 33,400 | 29,538 | 30,100 | 5,584,185 | 2,363 | 30,364 | 95% Student's-t UCL |
| Manganese | mg/kg | 24 | 24 | 100% | N/A | N/A | 414 | 681 | 600.7 | 620.5 | 4,645 | 68.16 | 624.6 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 71.9 | 71.9 | 71.9 | 71.9 | N/A | N/A | 71.9 | Max Detect |
| 2743BC | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 15,800 | 15,800 | 15,800 | 15,800 | N/A | N/A | 15,800 | Max Detect |
| Arsenic | mg/kg | 13 | 10 | 77% | 13.1 | 13.1 | 13.1 | 23.4 | 17.76 | 18.3 | 9.736 | 3.12 | 18.38 | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 12.9 | 12.9 | 12.9 | 12.9 | N/A | N/A | 12.9 | Max Detect |
| Iron | mg/kg | 13 | 13 | 100% | N/A | N/A | 22,100 | 36,100 | 28,469 | 29,000 | 12,040,641 | 3,470 | 30,184 | 95% Student's-t UCL |
| Manganese | mg/kg | 13 | 13 | 100% | N/A | N/A | 518 | 700 | 606.8 | 593 | 4,728 | 68.76 | 640.8 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 80.9 | 80.9 | 80.9 | 80.9 | N/A | N/A | 80.9 | Max Detect |
| 2743D | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,300 | 17,300 | 17,300 | 17,300 | N/A | N/A | 17,300 | Max Detect |
| Arsenic | mg/kg | 25 | 25 | 100% | N/A | N/A | 13.1 | 558 | 60.58 | 31.4 | 12,000 | 109.5 | 156.1 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.4 | 10.4 | 10.4 | 10.4 | N/A | N/A | 10.4 | Max Detect |
| Iron | mg/kg | 25 | 25 | 100% | N/A | N/A | 24,500 | 40,700 | 32,216 | 31,200 | 16,695,567 | 4,086 | 33,614 | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 25 | 25 | 100% | N/A | N/A | 7 | 117 | 22.01 | 19.3 | 429.7 | 20.73 | 40.08 | 95% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 25 | 25 | 100% | N/A | N/A | 536 | 1,240 | 712.5 | 690 | 26,899 | 164 | 768.6 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 61.8 | 61.8 | 61.8 | 61.8 | N/A | N/A | 61.8 | Max Detect | |
| 2743E | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 4 | 4 | 100% | N/A | N/A | 9,580 | 18,600 | 13,995 | 13,900 | 18,798,767 | 4,336 | 18,600 | Max Detect | |
| Arsenic | mg/kg | 34 | 34 | 100% | N/A | N/A | 12.1 | 33.7 | 19.34 | 18.9 | 14.69 | 3.832 | 20.45 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 4 | 4 | 100% | N/A | N/A | 9.3 | 17.9 | 13.33 | 13.05 | 12.47 | 3.531 | 17.48 | 95% Student's-t UCL | |
| Iron | mg/kg | 34 | 34 | 100% | N/A | N/A | 23,700 | 34,300 | 29,888 | 30,300 | 6,060,463 | 2,462 | 30,603 | 95% Student's-t UCL | |
| Manganese | mg/kg | 34 | 34 | 100% | N/A | N/A | 371 | 934 | 629.1 | 634.5 | 8,372 | 91.5 | 655.6 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 4 | 4 | 100% | N/A | N/A | 75.1 | 85.2 | 79 | 77.85 | 22.45 | 4.738 | 84.57 | 95% Student's-t UCL | |
| 2748 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 25,400 | 25,400 | 25,400 | 25,400 | N/A | N/A | 25,400 | Max Detect | |
| Arsenic | mg/kg | 21 | 21 | 100% | N/A | N/A | 26.9 | 91 | 54.43 | 53.8 | 262.7 | 16.21 | 60.53 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 22.8 | 22.8 | 22.8 | 22.8 | N/A | N/A | 22.8 | Max Detect | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 26,600 | 60,700 | 44,147 | 43,200 | 76,841,397 | 8,766 | 47,859 | 95% Student's-t UCL | |
| Lead | mg/kg | 21 | 21 | 100% | N/A | N/A | 5.64 | 337 | 39.96 | 28.9 | 4,757 | 68.97 | 105.6 | 95% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 501 | 1,440 | 907.7 | 902 | 58,299 | 241.5 | 1,010 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 115 | 115 | 115 | 115 | N/A | N/A | 115 | Max Detect | |
| 2749 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 14,100 | 20,000 | 17,050 | 17,050 | 17,405,000 | 4,172 | 20,000 | Max Detect | |
| Arsenic | mg/kg | 16 | 16 | 100% | N/A | N/A | 21.1 | 58.3 | 35.44 | 34.25 | 85.58 | 9.251 | 39.49 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10.1 | 10.6 | 10.35 | 10.35 | 0.125 | 0.354 | 10.6 | Max Detect | |
| Iron | mg/kg | 16 | 16 | 100% | N/A | N/A | 26,900 | 39,100 | 31,650 | 31,250 | 12,030,667 | 3,469 | 33,170 | 95% Student's-t UCL | |
| Manganese | mg/kg | 16 | 16 | 100% | N/A | N/A | 482 | 862 | 642 | 622.5 | 14,020 | 118.4 | 693.9 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 45.3 | 49 | 47.15 | 47.15 | 6.845 | 2.616 | 49 | Max Detect | |
| 2752 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,500 | 18,500 | 18,500 | 18,500 | N/A | N/A | 18,500 | Max Detect | |
| Arsenic | mg/kg | 20 | 17 | 85% | 14.2 | 25.7 | 15.4 | 42.7 | 23.18 | 21.1 | 51.05 | 7.145 | 25.37 | 95% GROS Adjusted Gamma UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.6 | 13.6 | 13.6 | 13.6 | N/A | N/A | 13.6 | Max Detect | |
| Iron | mg/kg | 20 | 20 | 100% | N/A | N/A | 20,500 | 34,600 | 27,450 | 27,800 | 9,786,842 | 3,128 | 28,660 | 95% Student's-t UCL | |
| Lead | mg/kg | 20 | 19 | 95% | 7 | 7 | 8.17 | 65.5 | 28.9 | 22.9 | 226.4 | 15.05 | 33.78 | 95% KM (t) UCL | |
| Manganese | mg/kg | 20 | 20 | 100% | N/A | N/A | 528 | 1,070 | 707.4 | 614 | 27,509 | 165.9 | 772.8 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 62.1 | 62.1 | 62.1 | 62.1 | N/A | N/A | 62.1 | Max Detect | |
| 2753 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 20 | 43.8 | 33.06 | 35.35 | 65.86 | 8.116 | 36.61 | 95% KM (t) UCL | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 22,800 | 37,600 | 30,136 | 30,400 | 20,662,545 | 4,546 | 32,620 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 19.3 | 67.3 | 42.84 | 44 | 166.1 | 12.89 | 49.88 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 665 | 1,630 | 929.8 | 822 | 79,868 | 282.6 | 1,084 | 95% Student's-t UCL | |
| 2755 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 19,100 | 23,100 | 21,100 | 21,100 | 8,000,000 | 2,828 | 23,100 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 26.9 | 181 | 49.1 | 37 | 1,959 | 44.27 | 107.3 | 95% Chebyshev (Mean, Sd) UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 13.4 | 16.1 | 14.75 | 14.75 | 3.645 | 1.909 | 16.1 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 27,500 | 51,000 | 31,927 | 30,600 | 42,974,182 | 6,555 | 35,798 | 95% Modified-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 32.7 | 105 | 52.75 | 48.1 | 365.1 | 19.11 | 65.31 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 742 | 1,960 | 1,134 | 1,100 | 105,598 | 325 | 1,311 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 66 | 93.5 | 79.75 | 79.75 | 378.1 | 19.45 | 93.5 | Max Detect | |
| 2756 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,500 | 17,500 | 17,500 | 17,500 | N/A | N/A | 17,500 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 21.4 | 69.5 | 40.62 | 40.4 | 136.3 | 11.67 | 47 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.4 | 11.4 | 11.4 | 11.4 | N/A | N/A | 11.4 | Max Detect | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 27,500 | 37,000 | 31,645 | 30,200 | 10,938,727 | 3,307 | 33,453 | | 95% Student's-t UCL |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 25.8 | 109 | 61.23 | 61.9 | 764.3 | 27.65 | 76.33 | | 95% Student's-t UCL |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 709 | 1,050 | 891.5 | 878 | 18,816 | 137.2 | 966.4 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 61.8 | 61.8 | 61.8 | 61.8 | N/A | N/A | 61.8 | | Max Detect |
| 2801 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 24,400 | 58,300 | 41,350 | 41,350 | 574,600,000 | 23,971 | 58,300 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 23 | 123 | 50.67 | 41.6 | 678 | 26.04 | 63.37 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 21.6 | 26 | 23.8 | 23.8 | 9.68 | 3.111 | 26 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 28,600 | 53,100 | 39,188 | 39,600 | 40,926,103 | 6,397 | 41,897 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 9.38 | 171 | 30.59 | 19 | 1,471 | 38.35 | 71.13 | | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 642 | 2,300 | 1,200 | 1,170 | 122,562 | 350.1 | 1,368 | | 95% Adjusted Gamma UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 86 | 109 | 97.5 | 97.5 | 264.5 | 16.26 | 109 | | Max Detect |
| 2804 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 4 | 4 | 100% | N/A | N/A | 30,100 | 51,800 | 43,625 | 46,300 | 89,949,167 | 9,484 | 51,800 | | Max Detect |
| Arsenic | mg/kg | 28 | 28 | 100% | N/A | N/A | 22 | 68.1 | 38.49 | 34.8 | 134.7 | 11.61 | 42.23 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 4 | 4 | 100% | N/A | N/A | 22 | 31.1 | 26.3 | 26.05 | 16.42 | 4.052 | 31.07 | | 95% Student's-t UCL |
| Copper | mg/kg | 6 | 6 | 100% | N/A | N/A | 78 | 420 | 156.1 | 111 | 17,102 | 130.8 | 388.8 | | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 24 | 24 | 100% | N/A | N/A | 31,300 | 46,000 | 37,471 | 37,500 | 12,315,199 | 3,509 | 38,699 | | 95% Student's-t UCL |
| Lead | mg/kg | 28 | 28 | 100% | N/A | N/A | 17 | 120 | 40.08 | 32.85 | 545.1 | 23.35 | 47.91 | | or 95% Modified-t UCL |
| Manganese | mg/kg | 24 | 24 | 100% | N/A | N/A | 641 | 1,150 | 807 | 775 | 15,709 | 125.3 | 852 | | or 95% Modified-t UCL |
| Nickel | mg/kg | 4 | 4 | 100% | N/A | N/A | 116 | 150 | 135.8 | 138.5 | 210.9 | 14.52 | 150 | | Max Detect |
| Vanadium | mg/kg | 4 | 4 | 100% | N/A | N/A | 92.4 | 110 | 103.1 | 105 | 62.44 | 7.902 | 110 | | Max Detect |
| 2805 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 22,000 | 25,500 | 23,750 | 23,750 | 6,125,000 | 2,475 | 25,500 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 26.9 | 103 | 64.12 | 62.8 | 278.2 | 16.68 | 71.19 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 27.5 | 32.9 | 30.2 | 30.2 | 14.58 | 3.818 | 32.9 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 45,300 | 73,300 | 57,459 | 58,700 | 68,431,324 | 8,272 | 60,962 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 8.77 | 51.5 | 26.36 | 25.5 | 129.9 | 11.4 | 31.18 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 862 | 2,120 | 1,342 | 1,400 | 109,436 | 330.8 | 1,482 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 155 | 172 | 163.5 | 163.5 | 144.5 | 12.02 | 172 | | Max Detect |
| 2806 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 16,800 | 25,400 | 21,100 | 21,100 | 36,980,000 | 6,081 | 25,400 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 18.8 | 134 | 88.44 | 85 | 729.6 | 27.01 | 99.87 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 9.2 | 23.6 | 16.4 | 16.4 | 103.7 | 10.18 | 23.6 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 27,200 | 67,500 | 49,612 | 50,100 | 72,778,603 | 8,531 | 53,224 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 447 | 3,330 | 1,444 | 1,370 | 410,264 | 640.5 | 1,715 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 56.7 | 175 | 115.9 | 115.9 | 6,997 | 83.65 | 175 | | Max Detect |
| 2807 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 23,000 | 29,800 | 26,400 | 26,400 | 23,120,000 | 4,808 | 29,800 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 37 | 77.2 | 56.98 | 53.9 | 131.7 | 11.48 | 61.84 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 19.3 | 24.3 | 21.8 | 21.8 | 12.5 | 3.536 | 24.3 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 31,700 | 84,400 | 64,453 | 66,500 | 191,200,000 | 13,827 | 70,308 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 19.3 | 55.2 | 29.82 | 26.6 | 85.98 | 9.272 | 33.89 | | or 95% Modified-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 1,210 | 3,570 | 2,669 | 2,970 | 472,786 | 687.6 | 2,960 | | 95% Student's-t UCL |
| Thallium | mg/kg | 2 | 1 | 50% | 0.022 | 0.022 | 0.36 | 0.36 | 0.36 | 0.36 | N/A | N/A | 0.36 | | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 99.3 | 124 | 111.7 | 111.7 | 305 | 17.47 | 124 | | Max Detect |
| 2808 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 24,900 | 35,600 | 30,250 | 30,250 | 57,245,000 | 7,566 | 35,600 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 47 | 406 | 86.91 | 69.5 | 6,877 | 82.93 | 125.3 | | or 95% Modified-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 19 | 19.5 | 19.25 | 19.25 | 0.125 | 0.354 | 19.5 | | Max Detect |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 40,900 | 88,100 | 59,000 | 58,400 | 123,400,000 | 11,111 | 63,705 | 95% Student's-t UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 1,530 | 3,120 | 2,176 | 2,120 | 206,637 | 454.6 | 2,369 | 95% Student's-t UCL | |
| Thallium | mg/kg | 2 | 1 | 50% | 0.022 | 0.022 | 0.26 | 0.26 | 0.26 | 0.26 | N/A | N/A | 0.26 | Max Detect | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 99.5 | 124 | 111.8 | 111.8 | 300.1 | 17.32 | 124 | Max Detect | |
| 2810 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 13.1 | 79.4 | 55.29 | 57.2 | 374.7 | 19.36 | 63.49 | 95% Student's-t UCL | |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 26,600 | 91,500 | 61,647 | 62,800 | 393,900,000 | 19,847 | 70,051 | 95% Student's-t UCL | |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 21.4 | 56.7 | 39.28 | 40.7 | 109.7 | 10.47 | 43.72 | 95% Student's-t UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 1,370 | 4,980 | 2,874 | 2,800 | 1,235,474 | 1,112 | 3,344 | 95% Student's-t UCL | |
| 2901 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 19,700 | 23,800 | 21,750 | 21,750 | 8,405,000 | 2,899 | 23,800 | Max Detect | |
| Arsenic | mg/kg | 24 | 24 | 100% | N/A | N/A | 18.9 | 290 | 103.7 | 99.35 | 3,781 | 61.49 | 125.2 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 28 | 28.8 | 28.4 | 28.4 | 0.32 | 0.566 | 28.8 | Max Detect | |
| Iron | mg/kg | 24 | 24 | 100% | N/A | N/A | 33,800 | 103,000 | 73,013 | 73,950 | 335,000,000 | 18,304 | 79,416 | 95% Student's-t UCL | |
| Lead | mg/kg | 24 | 24 | 100% | N/A | N/A | 7 | 136 | 31.05 | 18.95 | 848.9 | 29.14 | 42.94 | 95% H-UCL | |
| Manganese | mg/kg | 24 | 24 | 100% | N/A | N/A | 714 | 5,290 | 1,785 | 1,525 | 1,169,913 | 1,082 | 2,181 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 181 | 254 | 217.5 | 217.5 | 2,665 | 51.62 | 254 | Max Detect | |
| 2903 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 36,300 | 36,300 | 36,300 | 36,300 | N/A | N/A | 36,300 | Max Detect | |
| Arsenic | mg/kg | 26 | 26 | 100% | N/A | N/A | 42.7 | 170 | 100.7 | 98.75 | 1,201 | 34.66 | 112.3 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 58.9 | 58.9 | 58.9 | 58.9 | N/A | N/A | 58.9 | Max Detect | |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 64,200 | 115,000 | 89,030 | 85,300 | 244,100,000 | 15,625 | 94,625 | 95% Student's-t UCL | |
| Lead | mg/kg | 26 | 18 | 69% | 7 | 16.5 | 9.2 | 42.3 | 22.04 | 21.8 | 99.87 | 9.994 | 21.15 | 95% KM (t) UCL | |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 942 | 9,630 | 3,847 | 3,180 | 7,184,585 | 2,680 | 4,807 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 343 | 343 | 343 | 343 | N/A | N/A | 343 | Max Detect | |
| 3001 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 22,200 | 26,200 | 24,633 | 25,500 | 4,563,333 | 2,136 | 26,200 | Max Detect | |
| Arsenic | mg/kg | 32 | 31 | 97% | 11.9 | 11.9 | 15.4 | 132 | 59.76 | 48.3 | 1,253 | 35.4 | 69.01 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 20.4 | 32.5 | 24.93 | 21.9 | 43.5 | 6.596 | 32.5 | Max Detect | |
| Copper | mg/kg | 3 | 3 | 100% | N/A | N/A | 54.9 | 626 | 344.3 | 352 | 81,583 | 285.6 | 626 | Max Detect | |
| Iron | mg/kg | 32 | 32 | 100% | N/A | N/A | 17,600 | 85,700 | 57,231 | 61,250 | 226,800,000 | 15,061 | 61,746 | 95% Student's-t UCL | |
| Lead | mg/kg | 32 | 31 | 97% | 4.23 | 4.23 | 5.86 | 187 | 58.25 | 46.5 | 2,976 | 54.55 | 98.58 | 95% KM (Chebyshev) UCL | |
| Manganese | mg/kg | 32 | 32 | 100% | N/A | N/A | 600 | 1,460 | 885.1 | 858 | 34,424 | 185.5 | 940.7 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 104 | 131 | 115.3 | 111 | 196.3 | 14.01 | 131 | Max Detect | |
| 3004 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 54,400 | 54,400 | 54,400 | 54,400 | N/A | N/A | 54,400 | Max Detect | |
| Arsenic | mg/kg | 18 | 18 | 100% | N/A | N/A | 17.7 | 297 | 128.7 | 105 | 6,850 | 82.77 | 178.7 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 45.6 | 45.6 | 45.6 | 45.6 | N/A | N/A | 45.6 | Max Detect | |
| Copper | mg/kg | 1 | 1 | 100% | N/A | N/A | 634 | 634 | 634 | 634 | N/A | N/A | 634 | Max Detect | |
| Iron | mg/kg | 18 | 18 | 100% | N/A | N/A | 25,000 | 92,900 | 59,644 | 62,800 | 328,200,000 | 18,116 | 67,072 | 95% Student's-t UCL | |
| Lead | mg/kg | 18 | 18 | 100% | N/A | N/A | 10 | 694 | 143.1 | 21.1 | 41,135 | 202.8 | 618.8 | 99% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 18 | 18 | 100% | N/A | N/A | 501 | 1,710 | 1,192 | 1,265 | 148,853 | 385.8 | 1,350 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 229 | 229 | 229 | 229 | N/A | N/A | 229 | Max Detect | |
| 3005 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 29,500 | 32,800 | 31,150 | 31,150 | 5,445,000 | 2,333 | 32,800 | Max Detect | |
| Arsenic | mg/kg | 23 | 23 | 100% | N/A | N/A | 23.4 | 262 | 130.1 | 133 | 4,793 | 69.23 | 154.9 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 36.6 | 48.1 | 42.35 | 42.35 | 66.13 | 8.132 | 48.1 | Max Detect | |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 253 | 473 | 363 | 363 | 24,200 | 155.6 | 473 | Max Detect | |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 27,000 | 72,100 | 52,717 | 54,400 | 144,700,000 | 12,028 | 57,024 | 95% Student's-t UCL | |
| Lead | mg/kg | 23 | 23 | 100% | N/A | N/A | 8.17 | 531 | 141.3 | 122 | 16,439 | 128.2 | 187.2 | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of | | Percent Detected | Minimum | | Maximum | | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|--------------|-------|--------------|---------|------------------|------------|------------|---------|---------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | Observations | Detects | | Non-detect | Non-detect | Detect | Detect | | | | Detects | Detects | | |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 511 | 1,780 | 1,073 | 1,110 | 72,003 | 268.3 | 1,169 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 141 | 170 | 155.5 | 155.5 | 420.5 | 20.51 | 170 | | Max Detect |
| 3006A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 29,000 | 32,300 | 30,650 | 30,650 | 5,445,000 | 2,333 | 32,300 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 25.7 | 264 | 70.56 | 52.8 | 2,904 | 53.89 | 127.5 | | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 28.6 | 32.5 | 30.55 | 30.55 | 7.605 | 2.758 | 32.5 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 39,600 | 93,000 | 59,835 | 62,500 | 230,700,000 | 15,188 | 66,267 | | 95% Student's-t UCL |
| Lead | mg/kg | 17 | 17 | 100% | N/A | N/A | 18.6 | 251 | 70.72 | 49.8 | 3,855 | 62.09 | 104.8 | | 95% H-UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 609 | 2,660 | 1,138 | 1,040 | 187,538 | 433.1 | 1,334 | | 95% Modified-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 192 | 211 | 201.5 | 201.5 | 180.5 | 13.44 | 211 | | Max Detect |
| 3006B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 41,300 | 46,900 | 44,100 | 44,100 | 15,680,000 | 3,960 | 46,900 | | Max Detect |
| Arsenic | mg/kg | 23 | 23 | 100% | N/A | N/A | 23.4 | 106 | 51.77 | 50.5 | 440.2 | 20.98 | 59.28 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 29.7 | 39.2 | 34.45 | 34.45 | 45.13 | 6.718 | 39.2 | | Max Detect |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 53,500 | 79,900 | 63,365 | 60,900 | 58,250,553 | 7,632 | 66,098 | | 95% Student's-t UCL |
| Lead | mg/kg | 23 | 23 | 100% | N/A | N/A | 4.7 | 117 | 46.38 | 47.3 | 972.7 | 31.19 | 57.55 | | 95% Student's-t UCL |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 789 | 1,990 | 1,411 | 1,360 | 63,314 | 251.6 | 1,501 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 211 | 233 | 222 | 222 | 242 | 15.56 | 233 | | Max Detect |
| 3008 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 34,900 | 42,000 | 38,450 | 38,450 | 25,205,000 | 5,020 | 42,000 | | Max Detect |
| Arsenic | mg/kg | 23 | 23 | 100% | N/A | N/A | 49 | 220 | 130.6 | 134 | 2,635 | 51.33 | 149 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 32.9 | 44.3 | 38.6 | 38.6 | 64.98 | 8.061 | 44.3 | | Max Detect |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 50,700 | 92,500 | 71,900 | 69,500 | 120,500,000 | 10,975 | 75,830 | | 95% Student's-t UCL |
| Lead | mg/kg | 23 | 22 | 96% | 7 | 7 | 7.1 | 196 | 95.71 | 84.3 | 3,300 | 57.44 | 113 | | 95% KM (t) UCL |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 1,010 | 1,710 | 1,338 | 1,320 | 42,160 | 205.3 | 1,412 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 208 | 310 | 259 | 259 | 5,202 | 72.12 | 310 | | Max Detect |
| 3009 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 30,500 | 39,000 | 34,750 | 34,750 | 36,125,000 | 6,010 | 39,000 | | Max Detect |
| Antimony | mg/kg | 2 | 2 | 100% | N/A | N/A | 1.5 | 4.5 | 3 | 3 | 4.5 | 2.121 | 4.5 | | Max Detect |
| Arsenic | mg/kg | 23 | 23 | 100% | N/A | N/A | 25.7 | 434 | 104.7 | 72.8 | 8,221 | 90.67 | 138.9 | | 95% Adjusted Gamma UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 42.3 | 53 | 47.65 | 47.65 | 57.25 | 7.566 | 53 | | Max Detect |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 709 | 1,930 | 1,320 | 1,320 | 745,421 | 863.4 | 1,930 | | Max Detect |
| Iron | mg/kg | 23 | 23 | 100% | N/A | N/A | 33,500 | 81,900 | 52,309 | 47,300 | 239,900,000 | 15,490 | 58,521 | | 95% Adjusted Gamma UCL |
| Lead | mg/kg | 23 | 23 | 100% | N/A | N/A | 7.58 | 255 | 99.99 | 88.5 | 3,543 | 59.52 | 121.3 | | 95% Student's-t UCL |
| Manganese | mg/kg | 23 | 23 | 100% | N/A | N/A | 706 | 1,630 | 1,038 | 958 | 74,316 | 272.6 | 1,136 | | 95% Student's-t UCL |
| Mercury | mg/kg | 2 | 2 | 100% | N/A | N/A | 0.26 | 3.1 | 1.68 | 1.68 | 4.033 | 2.008 | 3.1 | | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 105 | 216 | 160.5 | 160.5 | 6,161 | 78.49 | 216 | | Max Detect |
| 3010 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 20,100 | 22,500 | 21,300 | 21,300 | 2,880,000 | 1,697 | 22,500 | | Max Detect |
| Arsenic | mg/kg | 19 | 19 | 100% | N/A | N/A | 36.1 | 277 | 131.3 | 126 | 3,604 | 60.03 | 155.2 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 22.5 | 52.1 | 37.3 | 37.3 | 438.1 | 20.93 | 52.1 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 34,400 | 108,000 | 77,024 | 80,800 | 328,100,000 | 18,112 | 84,693 | | 95% Student's-t UCL |
| Lead | mg/kg | 19 | 19 | 100% | N/A | N/A | 5.3 | 188 | 80.76 | 85.7 | 4,159 | 64.49 | 106.4 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 768 | 2,740 | 1,642 | 1,560 | 244,984 | 495 | 1,851 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 117 | 327 | 222 | 222 | 22,050 | 148.5 | 327 | | Max Detect |
| 3011 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 29,800 | 29,800 | 29,800 | 29,800 | N/A | N/A | 29,800 | | Max Detect |
| Arsenic | mg/kg | 17 | 17 | 100% | N/A | N/A | 25.7 | 171 | 93.76 | 86.1 | 2,275 | 47.7 | 114 | | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 32.1 | 32.1 | 32.1 | 32.1 | N/A | N/A | 32.1 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 27,700 | 82,600 | 63,276 | 70,100 | 360,300,000 | 18,980 | 71,313 | | 95% Student's-t UCL |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|-----------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 17 | 16 | 94% | 7 | 7 | 7.58 | 135 | 50.45 | 44.35 | 1,720 | 41.48 | 65.51 | 95% KM (t) UCL | |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 506 | 1,660 | 1,134 | 1,250 | 111,043 | 333.2 | 1,275 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 189 | 189 | 189 | 189 | N/A | N/A | 189 | Max Detect | |
| 3012 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 26,400 | 26,400 | 26,400 | 26,400 | N/A | N/A | 26,400 | Max Detect | |
| Arsenic | mg/kg | 13 | 13 | 100% | N/A | N/A | 42.1 | 190 | 120.2 | 125 | 2,258 | 47.52 | 143.7 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 23.3 | 23.3 | 23.3 | 23.3 | N/A | N/A | 23.3 | Max Detect | |
| Copper | mg/kg | 1 | 1 | 100% | N/A | N/A | 119 | 119 | 119 | 119 | N/A | N/A | 119 | Max Detect | |
| Iron | mg/kg | 14 | 14 | 100% | N/A | N/A | 55,200 | 80,700 | 72,571 | 75,050 | 54,620,659 | 7,391 | 76,069 | 95% Student's-t UCL | |
| Lead | mg/kg | 14 | 14 | 100% | N/A | N/A | 8.17 | 154 | 69.42 | 72.75 | 1,982 | 44.52 | 90.49 | 95% Student's-t UCL | |
| Manganese | mg/kg | 13 | 13 | 100% | N/A | N/A | 794 | 1,590 | 1,296 | 1,290 | 41,575 | 203.9 | 1,396 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 170 | 170 | 170 | 170 | N/A | N/A | 170 | Max Detect | |
| 3013A | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 40,600 | 40,900 | 40,750 | 40,750 | 45,000 | 212.1 | 40,900 | Max Detect | |
| Arsenic | mg/kg | 19 | 19 | 100% | N/A | N/A | 18.9 | 154 | 93.43 | 101 | 2,019 | 44.94 | 154 | Max Detect | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 48.3 | 50.9 | 49.6 | 49.6 | 3.38 | 1.838 | 50.9 | Max Detect | |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 153 | 772 | 462.5 | 462.5 | 191,581 | 437.7 | 772 | Max Detect | |
| Iron | mg/kg | 19 | 19 | 100% | N/A | N/A | 42,100 | 93,400 | 70,732 | 71,800 | 124,500,000 | 11,159 | 67,072 | 95% Student's-t UCL | |
| Lead | mg/kg | 19 | 19 | 100% | N/A | N/A | 7.9 | 128 | 66 | 74.5 | 1,986 | 44.56 | 83.73 | 95% Student's-t UCL | |
| Manganese | mg/kg | 19 | 19 | 100% | N/A | N/A | 734 | 2,360 | 1,314 | 1,340 | 109,999 | 331.7 | 1,350 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 191 | 272 | 231.5 | 231.5 | 3,281 | 57.28 | 272 | Max Detect | |
| 3013B | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 31,900 | 33,700 | 32,800 | 32,800 | 1,620,000 | 1,273 | 33,700 | Max Detect | |
| Arsenic | mg/kg | 15 | 15 | 100% | N/A | N/A | 16.6 | 144 | 69.26 | 61.7 | 1,794 | 42.36 | 88.52 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 30.3 | 42.5 | 36.4 | 36.4 | 74.42 | 8.627 | 42.5 | Max Detect | |
| Copper | mg/kg | 2 | 2 | 100% | N/A | N/A | 132 | 592 | 362 | 362 | 105,800 | 325.3 | 592 | Max Detect | |
| Iron | mg/kg | 15 | 15 | 100% | N/A | N/A | 34,100 | 72,500 | 55,133 | 58,800 | 151,500,000 | 12,310 | 60,732 | 95% Student's-t UCL | |
| Lead | mg/kg | 15 | 15 | 100% | N/A | N/A | 10.1 | 165 | 59.09 | 54.1 | 2,328 | 48.24 | 81.03 | 95% Student's-t UCL | |
| Manganese | mg/kg | 15 | 15 | 100% | N/A | N/A | 681 | 2,000 | 1,084 | 1,090 | 101,478 | 318.6 | 1,229 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 136 | 202 | 169 | 169 | 2,178 | 46.67 | 202 | Max Detect | |
| 3015 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 30,300 | 31,900 | 31,100 | 31,100 | 1,280,000 | 1,131 | 31,900 | Max Detect | |
| Antimony | mg/kg | 1 | 1 | 100% | N/A | N/A | 3.4 | 3.4 | 3.4 | 3.4 | N/A | N/A | 3.4 | Max Detect | |
| Arsenic | mg/kg | 22 | 22 | 100% | N/A | N/A | 20 | 311 | 150 | 138 | 6,143 | 78.38 | 178.7 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 13.4 | 33.6 | 23.5 | 23.5 | 204 | 14.28 | 33.6 | Max Detect | |
| Iron | mg/kg | 20 | 20 | 100% | N/A | N/A | 41,900 | 103,000 | 68,565 | 70,200 | 239,600,000 | 15,479 | 74,550 | 95% Student's-t UCL | |
| Lead | mg/kg | 22 | 21 | 95% | 16.5 | 16.5 | 4.23 | 241 | 72.63 | 51.5 | 5,679 | 75.36 | 97.79 | 95% KM (Percentile Bootstrap) UCL | |
| Manganese | mg/kg | 20 | 20 | 100% | N/A | N/A | 679 | 2,630 | 1,336 | 1,175 | 165,136 | 406.4 | 1,508 | 95% Adjusted Gamma UCL | |
| Thallium | mg/kg | 2 | 1 | 50% | 0.022 | 0.022 | 0.6 | 0.6 | 0.6 | 0.6 | N/A | N/A | 0.6 | Max Detect | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 242 | 258 | 250 | 250 | 128 | 11.31 | 258 | Max Detect | |
| 303 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 23,800 | 28,300 | 26,050 | 26,050 | 10,125,000 | 3,182 | 28,300 | Max Detect | |
| Arsenic | mg/kg | 13 | 13 | 100% | N/A | N/A | 18.6 | 44.9 | 28.87 | 29.1 | 50.83 | 7.13 | 32.39 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 11.9 | 16.2 | 14.05 | 14.05 | 9.245 | 3.041 | 16.2 | Max Detect | |
| Iron | mg/kg | 13 | 13 | 100% | N/A | N/A | 31,100 | 46,500 | 39,115 | 38,000 | 33,999,744 | 5,831 | 41,998 | 95% Student's-t UCL | |
| Lead | mg/kg | 13 | 13 | 100% | N/A | N/A | 9.8 | 49.8 | 29.38 | 26.6 | 119.7 | 10.94 | 34.79 | 95% Student's-t UCL | |
| Manganese | mg/kg | 13 | 13 | 100% | N/A | N/A | 830 | 1,840 | 1,279 | 1,240 | 78,624 | 280.4 | 1,418 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 59 | 75.6 | 67.3 | 67.3 | 137.8 | 11.74 | 75.6 | Max Detect | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| | | | | | | | | | | | | | Standard | | |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|----------------------|------------------|------------------------------|--|
| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Deviation of Detects | EPC ^a | EPC Basis | |
| 307 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,000 | 21,000 | 21,000 | 21,000 | N/A | N/A | 21,000 | Max Detect | |
| Arsenic | mg/kg | 13 | 13 | 100% | N/A | N/A | 15.4 | 62.2 | 34.39 | 30.3 | 262.2 | 16.19 | 42.4 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.7 | 9.7 | 9.7 | 9.7 | N/A | N/A | 9.7 | Max Detect | |
| Iron | mg/kg | 13 | 13 | 100% | N/A | N/A | 26,600 | 65,600 | 35,438 | 31,100 | 145,200,000 | 12,050 | 41,672 | or 95% Modified-t UCL | |
| Lead | mg/kg | 13 | 13 | 100% | N/A | N/A | 7 | 171 | 50.21 | 17.2 | 2,740 | 52.35 | 113.5 | 95% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 13 | 13 | 100% | N/A | N/A | 503 | 1,150 | 683.8 | 619 | 34,004 | 184.4 | 778.7 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 47.7 | 47.7 | 47.7 | 47.7 | N/A | N/A | 47.7 | Max Detect | |
| 308 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 15,300 | 15,300 | 15,300 | 15,300 | N/A | N/A | 15,300 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 24.6 | 78.3 | 46.14 | 39.3 | 296.8 | 17.23 | 55.55 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.3 | 9.3 | 9.3 | 9.3 | N/A | N/A | 9.3 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,100 | 37,600 | 32,727 | 34,200 | 18,482,182 | 4,299 | 35,077 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 25.8 | 376 | 140 | 110 | 11,353 | 106.6 | 198.2 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 458 | 703 | 617.3 | 657 | 6,450 | 80.31 | 661.2 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 45.2 | 45.2 | 45.2 | 45.2 | N/A | N/A | 45.2 | Max Detect | |
| 309 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 18,900 | 18,900 | 18,900 | 18,900 | N/A | N/A | 18,900 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.4 | 256 | 40.53 | 18.9 | 5,113 | 71.51 | 134.5 | 95% Chebyshev (Mean, Sd) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 29.7 | 29.7 | 29.7 | 29.7 | N/A | N/A | 29.7 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 25,200 | 58,500 | 30,509 | 27,300 | 89,164,909 | 9,443 | 36,116 | 95% Modified-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 477 | 5,600 | 1,054 | 581 | 2,281,342 | 1,510 | 3,039 | 95% Chebyshev (Mean, Sd) UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 103 | 103 | 103 | 103 | N/A | N/A | 103 | Max Detect | |
| 310 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 19,100 | 19,100 | 19,100 | 19,100 | N/A | N/A | 19,100 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 18.9 | 37 | 27.69 | 29.1 | 39.84 | 6.312 | 31.14 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.2 | 8.2 | 8.2 | 8.2 | N/A | N/A | 8.2 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 18,900 | 30,800 | 24,945 | 25,300 | 13,290,727 | 3,646 | 26,938 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 15.2 | 206 | 74.88 | 56.9 | 2,899 | 53.84 | 104.3 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 379 | 894 | 541.9 | 527 | 20,500 | 143.2 | 620.2 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 46.4 | 46.4 | 46.4 | 46.4 | N/A | N/A | 46.4 | Max Detect | |
| 311 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 15,800 | 15,800 | 15,800 | 15,800 | N/A | N/A | 15,800 | Max Detect | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 18.9 | 32.5 | 23.64 | 23.4 | 15.25 | 3.905 | 25.77 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8 | 8 | 8 | 8 | N/A | N/A | 8 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 20,900 | 30,900 | 27,582 | 29,100 | 9,859,636 | 3,140 | 29,298 | 95% Student's-t UCL | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.3 | 57.6 | 31.4 | 28.9 | 181.1 | 13.46 | 38.75 | 95% Student's-t UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 419 | 934 | 599.4 | 572 | 15,347 | 123.9 | 670.9 | or 95% Modified-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 47.9 | 47.9 | 47.9 | 47.9 | N/A | N/A | 47.9 | Max Detect | |
| 40W | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 11,500 | 11,500 | 11,500 | 11,500 | N/A | N/A | 11,500 | Max Detect | |
| Arsenic | mg/kg | 15 | 4 | 27% | 40.4 | 40.4 | 42.7 | 58.3 | 47.33 | 44.15 | 54.08 | 7.354 | 44.61 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 13.9 | 13.9 | 13.9 | 13.9 | N/A | N/A | 13.9 | Max Detect | |
| Iron | mg/kg | 1 | 1 | 100% | N/A | N/A | 25,400 | 25,400 | 25,400 | 25,400 | N/A | N/A | 25,400 | Max Detect | |
| Lead | mg/kg | 15 | 10 | 67% | 31.2 | 31.2 | 31.2 | 78.2 | 49.26 | 45.7 | 250 | 15.81 | 50.39 | 95% KM (t) UCL | |
| Manganese | mg/kg | 1 | 1 | 100% | N/A | N/A | 881 | 881 | 881 | 881 | N/A | N/A | 881 | Max Detect | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 42.1 | 42.1 | 42.1 | 42.1 | N/A | N/A | 42.1 | Max Detect | |
| 45065 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 15,400 | 24,900 | 19,750 | 19,900 | 10,607,222 | 3,257 | 21,638 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 28.3 | 48.7 | 39.28 | 38.35 | 44.28 | 6.655 | 43.14 | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | | EPC ^a | EPC Basis |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | Detects | | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 12.3 | 19.3 | 15.78 | 15.75 | 3.697 | 1.923 | 16.89 | | 95% Student's-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 29,100 | 36,600 | 31,970 | 31,450 | 4,611,222 | 2,147 | 33,215 | | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 709 | 2,470 | 1,234 | 1,015 | 384,859 | 620.4 | 1,593 | | 95% Student's-t UCL | |
| Sulfate | mg/kg | 5 | 5 | 100% | N/A | N/A | 2.8 | 7.8 | 4.72 | 4.8 | 3.807 | 1.951 | 6.58 | | 95% Student's-t UCL | |
| Thallium | mg/kg | 10 | 6 | 60% | 2.7 | 2.8 | 0.47 | 2.5 | 1.578 | 1.65 | 0.491 | 0.701 | 2.103 | | 95% KM (t) UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 56.1 | 83.4 | 69.17 | 68.2 | 84.91 | 9.215 | 74.51 | | 95% Student's-t UCL | |
| 45066 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 30 | 30 | 100% | N/A | N/A | 13,300 | 35,900 | 21,833 | 21,150 | 24,385,057 | 4,938 | 23,365 | | 95% Student's-t UCL | |
| Antimony | mg/kg | 30 | 10 | 33% | 4.7 | 6.9 | 0.75 | 7.3 | 1.505 | 0.855 | 4.153 | 2.038 | 1.505 | | 95% KM (% Bootstrap) UCL | |
| Arsenic | mg/kg | 30 | 30 | 100% | N/A | N/A | 27 | 212 | 59.37 | 54.85 | 1,056 | 32.49 | 68.42 | | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 30 | 30 | 100% | N/A | N/A | 13.8 | 27.9 | 20.28 | 19.65 | 15.64 | 3.955 | 21.5 | | 95% Student's-t UCL | |
| Iron | mg/kg | 30 | 30 | 100% | N/A | N/A | 26,400 | 66,900 | 44,183 | 45,800 | 127,000,000 | 11,272 | 47,680 | | 95% Student's-t UCL | |
| Lead | mg/kg | 30 | 30 | 100% | N/A | N/A | 7.4 | 55.6 | 19.87 | 16.3 | 118.1 | 10.87 | 23.48 | | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 30 | 30 | 100% | N/A | N/A | 732 | 7,880 | 1,402 | 1,105 | 1,615,410 | 1,271 | 1,831 | | 95% Modified-t UCL | |
| Sulfate | mg/kg | 4 | 4 | 100% | N/A | N/A | 3.4 | 5.7 | 4.725 | 4.9 | 1.163 | 1.078 | 5.7 | | Max Detect | |
| Thallium | mg/kg | 30 | 26 | 87% | 2.4 | 2.7 | 0.62 | 6.1 | 2.265 | 1.6 | 2.672 | 1.635 | 3.39 | | 95% KM (Chebyshev) UCL | |
| Vanadium | mg/kg | 30 | 30 | 100% | N/A | N/A | 52.8 | 131 | 86.56 | 82.3 | 452.1 | 21.26 | 93.15 | | 95% Student's-t UCL | |
| 801 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 14,300 | 14,300 | 14,300 | 14,300 | N/A | N/A | 14,300 | | Max Detect | |
| Antimony | mg/kg | 1 | 1 | 100% | N/A | N/A | 3.1 | 3.1 | 3.1 | 3.1 | N/A | N/A | 3.1 | | Max Detect | |
| Arsenic | mg/kg | 33 | 5 | 15% | 40.4 | 40.4 | 41.6 | 52.8 | 47.76 | 46.8 | 20.53 | 4.531 | 42.53 | | 95% KM (t) UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 21.4 | 21.4 | 21.4 | 21.4 | N/A | N/A | 21.4 | | Max Detect | |
| Iron | mg/kg | 1 | 1 | 100% | N/A | N/A | 42,400 | 42,400 | 42,400 | 42,400 | N/A | N/A | 42,400 | | Max Detect | |
| Lead | mg/kg | 33 | 28 | 85% | 31.2 | 31.2 | 31.2 | 306 | 69.5 | 56.25 | 2,725 | 52.21 | 92.12 | | 95% GROS Adjusted Gamma UCL | |
| Manganese | mg/kg | 1 | 1 | 100% | N/A | N/A | 1,640 | 1,640 | 1,640 | 1,640 | N/A | N/A | 1,640 | | Max Detect | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 73.7 | 73.7 | 73.7 | 73.7 | N/A | N/A | 73.7 | | Max Detect | |
| 008 | | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 16 | 240 | 46.9 | 23 | 4,745 | 68.88 | 141.8 | | 95% Chebyshev (Mean, Sd) UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.6 | 280 | 42.64 | 12.5 | 7,073 | 84.1 | 158.6 | | 95% Chebyshev (Mean, Sd) UCL | |
| 009 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 14,300 | 14,300 | 14,300 | 14,300 | N/A | N/A | 14,300 | | Max Detect | |
| Arsenic | mg/kg | 21 | 21 | 100% | N/A | N/A | 9.7 | 75 | 36.88 | 28 | 372.4 | 19.3 | 46.18 | | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.9 | 9.9 | 9.9 | 9.9 | N/A | N/A | 9.9 | | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 23,800 | 34,300 | 28,000 | 28,300 | 11,266,000 | 3,356 | 29,834 | | 95% Student's-t UCL | |
| Lead | mg/kg | 21 | 21 | 100% | N/A | N/A | 13 | 74.5 | 27.88 | 21.4 | 255.4 | 15.98 | 34.53 | | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 432 | 950 | 620.2 | 572 | 24,730 | 157.3 | 706.1 | | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 56.6 | 56.6 | 56.6 | 56.6 | N/A | N/A | 56.6 | | Max Detect | |
| 010 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 15,500 | 15,500 | 15,500 | 15,500 | N/A | N/A | 15,500 | | Max Detect | |
| Arsenic | mg/kg | 21 | 21 | 100% | N/A | N/A | 17.7 | 63.9 | 43.08 | 45 | 161.8 | 12.72 | 47.87 | | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 9.7 | 9.7 | 9.7 | 9.7 | N/A | N/A | 9.7 | | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 29,700 | 38,800 | 33,264 | 32,400 | 10,484,545 | 3,238 | 35,033 | | 95% Student's-t UCL | |
| Lead | mg/kg | 21 | 21 | 100% | N/A | N/A | 13 | 227 | 50.06 | 40 | 2,023 | 44.98 | 65.3 | | 95% H-UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 529 | 777 | 638.9 | 643 | 4,832 | 69.52 | 676.9 | | 95% Student's-t UCL | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 65.3 | 65.3 | 65.3 | 65.3 | N/A | N/A | 65.3 | | Max Detect | |
| 011 | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 14,000 | 22,500 | 18,250 | 18,250 | 36,125,000 | 6,010 | 22,500 | | Max Detect | |
| Arsenic | mg/kg | 11 | 10 | 91% | 13.1 | 13.1 | 17.7 | 30.3 | 23.48 | 24 | 16.39 | 4.048 | 25.26 | | 95% KM (t) UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 10.8 | 36.2 | 23.5 | 23.5 | 322.6 | 17.96 | 36.2 | | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 26,500 | 45,500 | 34,064 | 32,000 | 30,144,545 | 5,490 | 37,064 | | 95% Student's-t UCL | |

TABLE K3-1

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Yard-Specific Risk (RYSR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 11.2 | 39.1 | 20.05 | 17.9 | 60.72 | 7.792 | 25.49 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 477 | 1,030 | 751.2 | 698 | 38,277 | 195.6 | 858.1 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 46.6 | 77.2 | 61.9 | 61.9 | 468.2 | 21.64 | 77.2 | Max Detect | |
| O12 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 12,300 | 12,300 | 12,300 | 12,300 | N/A | N/A | 12,300 | Max Detect | |
| Arsenic | mg/kg | 21 | 21 | 100% | N/A | N/A | 10.7 | 71.7 | 45.64 | 48.3 | 218.7 | 14.79 | 51.2 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.2 | 8.2 | 8.2 | 8.2 | N/A | N/A | 8.2 | Max Detect | |
| Iron | mg/kg | 11 | 11 | 100% | N/A | N/A | 17,400 | 48,600 | 34,936 | 35,100 | 56,958,545 | 7,547 | 39,061 | 95% Student's-t UCL | |
| Lead | mg/kg | 21 | 21 | 100% | N/A | N/A | 7.9 | 370 | 64.02 | 47 | 5,945 | 77.1 | 95.7 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 11 | 11 | 100% | N/A | N/A | 329 | 910 | 673.5 | 698 | 21,454 | 146.5 | 753.6 | 95% Student's-t UCL | |
| O13 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 12 | 48 | 32.8 | 34 | 159.1 | 12.61 | 40.11 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 7.2 | 120 | 65.22 | 66 | 1,146 | 33.86 | 84.85 | 95% Student's-t UCL | |
| O14 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 17 | 53 | 30.6 | 30 | 154.5 | 12.43 | 37.81 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 2.9 | 110 | 40.49 | 29 | 1,490 | 38.6 | 62.86 | 95% Student's-t UCL | |
| O15 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 10 | 10 | 100% | N/A | N/A | 19 | 76 | 40.7 | 37 | 309.3 | 17.59 | 50.9 | 95% Student's-t UCL | |
| Lead | mg/kg | 10 | 10 | 100% | N/A | N/A | 70 | 230 | 113.8 | 100.5 | 2,621 | 51.19 | 143.5 | 95% Student's-t UCL | |
| O16 | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 15 | 15 | 100% | N/A | N/A | 18.5 | 79 | 40.03 | 37 | 330.7 | 18.19 | 48.3 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.5 | 11.5 | 11.5 | 11.5 | N/A | N/A | 11.5 | Max Detect | |
| Iron | mg/kg | 1 | 1 | 100% | N/A | N/A | 28,400 | 28,400 | 28,400 | 28,400 | N/A | N/A | 28,400 | Max Detect | |
| Lead | mg/kg | 15 | 15 | 100% | N/A | N/A | 19 | 882 | 155.8 | 96 | 45,015 | 212.2 | 394.6 | 95% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 1 | 1 | 100% | N/A | N/A | 490 | 490 | 490 | 490 | N/A | N/A | 490 | Max Detect | |
| O17 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 9,670 | 9,670 | 9,670 | 9,670 | N/A | N/A | 9,670 | Max Detect | |
| Arsenic | mg/kg | 15 | 15 | 100% | N/A | N/A | 24 | 294 | 83.36 | 57 | 5,022 | 70.87 | 123.2 | 95% Adjusted Gamma UCL | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.7 | 10.7 | 10.7 | 10.7 | N/A | N/A | 10.7 | Max Detect | |
| Iron | mg/kg | 1 | 1 | 100% | N/A | N/A | 21,900 | 21,900 | 21,900 | 21,900 | N/A | N/A | 21,900 | Max Detect | |
| Lead | mg/kg | 15 | 15 | 100% | N/A | N/A | 20 | 407 | 103 | 83 | 8,990 | 94.81 | 146.1 | 95% Student's-t UCL | |
| Manganese | mg/kg | 1 | 1 | 100% | N/A | N/A | 631 | 631 | 631 | 631 | N/A | N/A | 631 | Max Detect | |

Notes:

^a When more than one recommended UCL was given the highest was selected as the EPC. If the recommended UCL exceeded the maximum detect, the maximum detect was selected as the EPC

EPC - Exposure Point Concentration

mg/kg - milligram per kilogram

N/A - Not Available

UCL - Upper Confidence Limit

TABLE K3-2

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | EPC ^a | EPC Basis |
|-------------------------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | | |
| Parcel Group A | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 11,800 | 25,200 | 20,533 | 24,600 | 57,293,333 | 7,569 | 25,200 | Max Detect |
| Arsenic | mg/kg | 47 | 47 | 100% | N/A | N/A | 10 | 96 | 48.98 | 50 | 463.2 | 21.52 | 54.25 | 95% Student's-t UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 12 | 15.2 | 13.63 | 13.7 | 2.563 | 1.601 | 15.2 | Max Detect |
| Iron | mg/kg | 33 | 33 | 100% | N/A | N/A | 29,900 | 44,900 | 38,570 | 38,800 | 12,002,803 | 3,465 | 39,591 | 95% Student's-t UCL |
| Lead | mg/kg | 47 | 47 | 100% | N/A | N/A | 7.81 | 81 | 41.75 | 44.7 | 365.6 | 19.12 | 46.43 | 95% Student's-t UCL |
| Manganese | mg/kg | 33 | 33 | 100% | N/A | N/A | 411 | 1,050 | 768.2 | 755 | 15,208 | 123.3 | 804.6 | 95% Student's-t UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 71.5 | 85.5 | 78.37 | 78.1 | 49.05 | 7.004 | 85.5 | Max Detect |
| Parcel Group B | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 17,100 | 17,100 | 17,100 | 17,100 | N/A | N/A | 17,100 | Max Detect |
| Arsenic | mg/kg | 19 | 18 | 95% | 13.1 | 13.1 | 10.7 | 61.7 | 33.09 | 32.45 | 270.9 | 16.46 | 38.6 | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 14.1 | 14.1 | 14.1 | 14.1 | N/A | N/A | 14.1 | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 23,100 | 42,700 | 33,335 | 33,000 | 32,059,926 | 5,662 | 35,733 | 95% Student's-t UCL |
| Lead | mg/kg | 19 | 19 | 100% | N/A | N/A | 8.9 | 63.7 | 35.88 | 35.9 | 311.5 | 17.65 | 42.91 | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 464 | 906 | 685.6 | 681 | 14,102 | 118.8 | 735.9 | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 54.3 | 54.3 | 54.3 | 54.3 | N/A | N/A | 54.3 | Max Detect |
| Parcel Group C | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 6 | 6 | 100% | N/A | N/A | 10,000 | 22,100 | 16,433 | 16,300 | 23,658,667 | 4,864 | 20,435 | 95% Student's-t UCL |
| Arsenic | mg/kg | 53 | 52 | 98% | 13.1 | 13.1 | 8.42 | 72.8 | 27.37 | 22.3 | 202 | 14.21 | 30.58 | 95% KM (BCA) UCL |
| Cobalt | mg/kg | 6 | 6 | 100% | N/A | N/A | 8.8 | 13.7 | 11.38 | 11.45 | 2.494 | 1.579 | 12.68 | 95% Student's-t UCL |
| Iron | mg/kg | 48 | 48 | 100% | N/A | N/A | 23,500 | 66,600 | 31,396 | 30,300 | 44,830,621 | 6,696 | 33,098 | or 95% Modified-t UCL |
| Lead | mg/kg | 53 | 53 | 100% | N/A | N/A | 4.3 | 89.5 | 30.57 | 24.4 | 307 | 17.52 | 34.77 | 95% Approximate Gamma UCL |
| Manganese | mg/kg | 48 | 48 | 100% | N/A | N/A | 390 | 1,240 | 647 | 617 | 20,012 | 141.5 | 682.2 | or 95% Modified-t UCL |
| Vanadium | mg/kg | 6 | 6 | 100% | N/A | N/A | 39.8 | 53.3 | 44.85 | 43.3 | 26.79 | 5.176 | 49.11 | 95% Student's-t UCL |
| Parcel Group D Hotspot ^b | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 24,600 | 29,000 | 26,800 | 26,800 | 9,680,000 | 3,111 | 29,000 | Max Detect |
| Antimony | mg/kg | 2 | 1 | 50% | 0.15 | 0.15 | 7.1 | 7.1 | 7.1 | 7.1 | N/A | N/A | 7.1 | Max Detect |
| Arsenic | mg/kg | 7 | 7 | 100% | N/A | N/A | 18.9 | 702 | 291.5 | 222 | 82,189 | 286.7 | 502.1 | 95% Student's-t UCL |
| Cadmium | mg/kg | 2 | 2 | 100% | N/A | N/A | 8.5 | 16.9 | 12.7 | 12.7 | 35.28 | 5.94 | 16.9 | Max Detect |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 13.2 | 30.6 | 21.9 | 21.9 | 151.4 | 12.3 | 30.6 | Max Detect |
| Iron | mg/kg | 7 | 7 | 100% | N/A | N/A | 27,200 | 97,600 | 57,686 | 53,800 | 859,500,000 | 29,318 | 79,218 | 95% Student's-t UCL |
| Lead | mg/kg | 7 | 7 | 100% | N/A | N/A | 20.7 | 5,300 | 1,579 | 556 | 4,002,649 | 2,001 | 3,048 | 95% Student's-t UCL |
| Manganese | mg/kg | 7 | 7 | 100% | N/A | N/A | 472 | 1,300 | 759.9 | 635 | 130,466 | 361.2 | 1,035 | or 95% Modified-t UCL |
| Mercury | mg/kg | 2 | 2 | 100% | N/A | N/A | 1.8 | 5.2 | 3.5 | 3.5 | 5.78 | 2.404 | 5.2 | Max Detect |
| Thallium | mg/kg | 2 | 1 | 50% | 0.022 | 0.022 | 0.32 | 0.32 | 0.32 | 0.32 | N/A | N/A | 0.32 | Max Detect |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 66.2 | 116 | 91.1 | 91.1 | 1,240 | 35.21 | 116 | Max Detect |
| Zinc | mg/kg | 7 | 7 | 100% | N/A | N/A | 68.9 | 6,270 | 2,335 | 1,110 | 7,790,626 | 2,791 | 4,385 | 95% Student's-t UCL |
| Parcel Group D (Hotspot Excluded) | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 12 | 12 | 100% | N/A | N/A | 8,880 | 13,700 | 11,313 | 11,350 | 1,881,333 | 1,372 | 12,024 | 95% Student's-t UCL |
| Arsenic | mg/kg | 53 | 47 | 89% | 13.1 | 14.2 | 12.2 | 58.3 | 23.9 | 22.3 | 71.4 | 8.45 | 24.96 | 95% KM (BCA) UCL |
| Cobalt | mg/kg | 12 | 12 | 100% | N/A | N/A | 7.4 | 13.2 | 10.96 | 11.45 | 3.323 | 1.823 | 11.9 | 95% Student's-t UCL |
| Iron | mg/kg | 53 | 53 | 100% | N/A | N/A | 17,100 | 47,600 | 26,321 | 26,400 | 36,379,369 | 6,032 | 27,708 | 95% Student's-t UCL |
| Lead | mg/kg | 53 | 53 | 100% | N/A | N/A | 8.17 | 216 | 35.27 | 28.9 | 989.8 | 31.46 | 54.11 | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 53 | 53 | 100% | N/A | N/A | 394 | 1,140 | 563.3 | 545 | 16,536 | 128.6 | 591.7 | 95% Approximate Gamma UCL |
| Vanadium | mg/kg | 12 | 12 | 100% | N/A | N/A | 25.3 | 42.6 | 34.67 | 35.1 | 22.76 | 4.771 | 37.14 | 95% Student's-t UCL |
| Parcel Group E | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 4 | 4 | 100% | N/A | N/A | 14,500 | 19,800 | 16,525 | 15,900 | 5,869,167 | 2,423 | 19,376 | 95% Student's-t UCL |
| Arsenic | mg/kg | 39 | 29 | 74% | 13.1 | 13.1 | 10 | 65 | 21.53 | 17.7 | 130.6 | 11.43 | 22.51 | 95% KM (BCA) UCL |
| Cobalt | mg/kg | 4 | 4 | 100% | N/A | N/A | 9.1 | 13.6 | 10.63 | 9.9 | 4.183 | 2.045 | 13.03 | 95% Student's-t UCL |
| Iron | mg/kg | 39 | 39 | 100% | N/A | N/A | 17,800 | 38,000 | 26,895 | 26,500 | 17,498,394 | 4,183 | 28,024 | 95% Student's-t UCL |

TABLE K3-2

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Residential Screening Area Risk (RSAR) Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-----------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|---------|------------------|------------------------------|
| | | | | | | | | | | | | Detects | Detects | | |
| Lead | mg/kg | 39 | 39 | 100% | N/A | N/A | 9.38 | 52.4 | 20.01 | 19.3 | 63.61 | 7.975 | 22.16 | | 95% Student's-t UCL |
| Manganese | mg/kg | 39 | 39 | 100% | N/A | N/A | 319 | 918 | 550 | 541 | 10,869 | 104.3 | 579.5 | | 95% Adjusted Gamma UCL |
| Vanadium | mg/kg | 4 | 4 | 100% | N/A | N/A | 33.6 | 52.1 | 41.25 | 39.65 | 73.66 | 8.582 | 51.35 | | 95% Student's-t UCL |
| Parcel Group F | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 3 | 3 | 100% | N/A | N/A | 17,000 | 28,300 | 23,333 | 24,700 | 33,323,333 | 5,773 | 28,300 | | Max Detect |
| Arsenic | mg/kg | 32 | 31 | 97% | 13.1 | 13.1 | 12.2 | 43.8 | 21.89 | 21.1 | 43.56 | 6.6 | 23.77 | | 95% Adjusted Gamma KM-UCL |
| Cobalt | mg/kg | 3 | 3 | 100% | N/A | N/A | 10.5 | 17 | 13 | 11.5 | 12.25 | 3.5 | 17 | | Max Detect |
| Iron | mg/kg | 32 | 30 | 94% | 31.5 | 31.5 | 34.2 | 40,800 | 27,106 | 27,650 | 81,408,660 | 9,023 | 40,800 | | Max Detect |
| Lead | mg/kg | 32 | 32 | 100% | N/A | N/A | 8.17 | 67.3 | 26.9 | 24 | 141.5 | 11.9 | 30.46 | | 95% Student's-t UCL |
| Manganese | mg/kg | 32 | 32 | 100% | N/A | N/A | 448 | 27,700 | 3,797 | 646 | 71,851,571 | 8,477 | 10,328 | | 95% Chebyshev (Mean, Sd) UCL |
| Vanadium | mg/kg | 3 | 3 | 100% | N/A | N/A | 38.7 | 53.3 | 45.33 | 44 | 54.62 | 7.391 | 53.3 | | Max Detect |
| Parcel Group G | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 23,000 | 23,000 | 23,000 | 23,000 | N/A | N/A | 23,000 | | Max Detect |
| Arsenic | mg/kg | 17 | 16 | 94% | 13.1 | 13.1 | 14.2 | 30.3 | 21.54 | 20 | 28.61 | 5.349 | 23.41 | | 95% KM (t) UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 10.7 | 10.7 | 10.7 | 10.7 | N/A | N/A | 10.7 | | Max Detect |
| Iron | mg/kg | 17 | 17 | 100% | N/A | N/A | 22,200 | 35,400 | 27,147 | 26,400 | 15,292,647 | 3,911 | 28,803 | | 95% Student's-t UCL |
| Manganese | mg/kg | 17 | 17 | 100% | N/A | N/A | 483 | 910 | 596.2 | 567 | 11,264 | 106.1 | 641.1 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 40.8 | 40.8 | 40.8 | 40.8 | N/A | N/A | 40.8 | | Max Detect |
| Parcel Group H | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 19,700 | 28,200 | 23,950 | 23,950 | 36,125,000 | 6,010 | 28,200 | | Max Detect |
| Arsenic | mg/kg | 19 | 19 | 100% | N/A | N/A | 20 | 227 | 53.09 | 39.3 | 2,090 | 45.72 | 98.81 | | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 14.1 | 32 | 23.05 | 23.05 | 160.2 | 12.66 | 32 | | Max Detect |
| Iron | mg/kg | 19 | 19 | 100% | N/A | N/A | 24,700 | 59,700 | 35,100 | 32,400 | 68,655,556 | 8,286 | 38,396 | | 95% Student's-t UCL |
| Manganese | mg/kg | 19 | 19 | 100% | N/A | N/A | 542 | 1,320 | 855 | 854 | 34,385 | 185.4 | 928.8 | | 95% Student's-t UCL |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 39 | 167 | 103 | 103 | 8,192 | 90.51 | 167 | | Max Detect |

Notes:

^a When more than one recommended UCL was given the highest was selected as the EPC. If the recommended UCL exceeded the maximum detect, the maximum detect was selected as the EPC^b Hotspot includes the following samples: 1426B-01, 1426B-C1, 1426B-C2, 1426B-T1, 1426B-T2, 1426B-T3, 1426B-T4

EPC - Exposure Point Concentration

mg/kg - milligram per kilogram

N/A - Not Available

UCL - Upper Confidence Limit

TABLE K3-3

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | EPC ^a | EPC Basis |
|----------------------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|------------------|--------------------------------|
| | | | | | | | | | | | | Detects | | |
| NR13 Smelter East of River | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 15,200 | 15,200 | 15,200 | 15,200 | N/A | N/A | 15,200 | Max Detect |
| Antimony | mg/kg | 1 | 1 | 100% | N/A | N/A | 4.8 | 4.8 | 4.8 | 4.8 | N/A | N/A | 4.8 | Max Detect |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 17.8 | 164 | 81.89 | 88.9 | 2,870 | 53.57 | 111.2 | 95% Student's-t UCL |
| Cadmium | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.3 | 8.3 | 8.3 | 8.3 | N/A | N/A | 8.3 | Max Detect |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 34.7 | 34.7 | 34.7 | 34.7 | N/A | N/A | 34.7 | Max Detect |
| Copper | mg/kg | 1 | 1 | 100% | N/A | N/A | 950 | 950 | 950 | 950 | N/A | N/A | 950 | Max Detect |
| Iron | mg/kg | 1 | 1 | 100% | N/A | N/A | 29,000 | 29,000 | 29,000 | 29,000 | N/A | N/A | 29,000 | Max Detect |
| Lead | mg/kg | 11 | 11 | 100% | N/A | N/A | 24.9 | 424 | 203 | 185 | 21,317 | 146 | 282.8 | 95% Student's-t UCL |
| Manganese | mg/kg | 1 | 1 | 100% | N/A | N/A | 1,090 | 1,090 | 1,090 | 1,090 | N/A | N/A | 1,090 | Max Detect |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 52.8 | 52.8 | 52.8 | 52.8 | N/A | N/A | 52.8 | Max Detect |
| NR19 North of Main Tailings Pile | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 60 | 60 | 100% | N/A | N/A | 7,580 | 37,600 | 16,298 | 14,250 | 49,570,144 | 7,041 | 17,843 | or 95% Modified-t UCL |
| Antimony | mg/kg | 61 | 25 | 41% | 0.16 | 7.3 | 0.46 | 11 | 3.514 | 2.8 | 7.287 | 2.699 | 3.129 | 95% GROS Approximate Gamma UCL |
| Arsenic | mg/kg | 205 | 205 | 100% | N/A | N/A | 8.6 | 1,730 | 189.5 | 89.4 | 62,756 | 250.5 | 265.8 | 95% Chebyshev (Mean, Sd) UCL |
| Cadmium | mg/kg | 63 | 34 | 54% | 0.015 | 0.55 | 0.037 | 12 | 2.586 | 1.55 | 10.22 | 3.197 | 2.185 | 95% Approximate Gamma KM-UCL |
| Cobalt | mg/kg | 60 | 60 | 100% | N/A | N/A | 2.8 | 28 | 14.22 | 13.8 | 21.19 | 4.604 | 15.21 | 95% Student's-t UCL |
| Iron | mg/kg | 190 | 190 | 100% | N/A | N/A | 17,000 | 93,600 | 46,058 | 46,250 | 228,100,000 | 15,102 | 47,876 | or 95% Modified-t UCL |
| Lead | mg/kg | 205 | 186 | 91% | 5 | 16.5 | 4.76 | 4,270 | 251.9 | 58.8 | 298,904 | 546.7 | 458.4 | 97.5% KM (Chebyshev) UCL |
| Manganese | mg/kg | 189 | 189 | 100% | N/A | N/A | 99.1 | 2,100 | 709.5 | 685 | 66,437 | 257.8 | 740.9 | or 95% Modified-t UCL |
| Mercury | mg/kg | 74 | 64 | 86% | 0.0057 | 0.12 | 0.03 | 15.5 | 1.596 | 0.325 | 8.694 | 2.949 | 3.413 | 97.5% KM (Chebyshev) UCL |
| Selenium | mg/kg | 63 | 37 | 59% | 0.13 | 5 | 0.33 | 90.1 | 7.496 | 1.8 | 229.8 | 15.16 | 11.35 | 95% KM (Chebyshev) UCL |
| Sulfate | mg/kg | 7 | 7 | 100% | N/A | N/A | 22 | 64,000 | 10,849 | 890 | 556,800,000 | 23,597 | 64,000 | Max Detect |
| Thallium | mg/kg | 63 | 25 | 40% | 0.022 | 5 | 0.29 | 3.1 | 1.616 | 1.9 | 0.676 | 0.822 | 1.258 | 95% KM (t) UCL |
| Vanadium | mg/kg | 60 | 60 | 100% | N/A | N/A | 33.3 | 137 | 65.11 | 58.25 | 650.4 | 25.5 | 70.68 | or 95% Modified-t UCL |
| Zinc | mg/kg | 194 | 194 | 100% | N/A | N/A | 48.9 | 6,620 | 499.2 | 298.5 | 537,821 | 733.4 | 728.7 | 95% Chebyshev (Mean, Sd) UCL |
| NR20 North of Chaparral Gulch | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 27 | 27 | 100% | N/A | N/A | 9,350 | 34,200 | 22,070 | 24,100 | 48,372,634 | 6,955 | 24,353 | 95% Student's-t UCL |
| Antimony | mg/kg | 27 | 4 | 15% | 0.17 | 6.9 | 1.5 | 3.3 | 2.45 | 2.5 | 0.65 | 0.806 | 2.968 | 95% KM (t) UCL |
| Arsenic | mg/kg | 116 | 116 | 100% | N/A | N/A | 12.3 | 609 | 97.99 | 64.2 | 8,827 | 93.95 | 136 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 27 | 27 | 100% | N/A | N/A | 8.9 | 16.2 | 12.23 | 12.1 | 3.394 | 1.842 | 12.83 | 95% Student's-t UCL |
| Iron | mg/kg | 86 | 86 | 100% | N/A | N/A | 23,300 | 60,600 | 40,884 | 40,900 | 39,906,555 | 6,317 | 42,017 | 95% Student's-t UCL |
| Lead | mg/kg | 116 | 112 | 97% | 7 | 7 | 7 | 318 | 55.14 | 33.7 | 2,748 | 52.42 | 61.69 | 95% KM (BCA) UCL |
| Manganese | mg/kg | 86 | 86 | 100% | N/A | N/A | 311 | 2,030 | 664.1 | 640.5 | 41,402 | 203.5 | 697.1 | 95% Approximate Gamma UCL |
| Mercury | mg/kg | 24 | 19 | 79% | 0.0062 | 0.11 | 0.021 | 2.5 | 0.386 | 0.21 | 0.322 | 0.567 | 0.78 | 95% KM (Chebyshev) UCL |
| Thallium | mg/kg | 27 | 11 | 41% | 0.024 | 2.9 | 0.21 | 1.6 | 0.785 | 0.78 | 0.209 | 0.457 | 0.962 | 95% KM (t) UCL |
| Vanadium | mg/kg | 27 | 27 | 100% | N/A | N/A | 37.4 | 98.3 | 71.86 | 72.4 | 196 | 14 | 76.46 | 95% Student's-t UCL |
| NR3 Upper Chaparral Gulch | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 59 | 59 | 100% | N/A | N/A | 6,710 | 17,500 | 10,734 | 10,300 | 5,335,835 | 2,310 | 11,237 | 95% Student's-t UCL |
| Antimony | mg/kg | 60 | 39 | 65% | 0.15 | 6.6 | 0.57 | 13.4 | 2.141 | 1.3 | 5.224 | 2.286 | 2.135 | 95% KM (BCA) UCL |
| Arsenic | mg/kg | 172 | 172 | 100% | N/A | N/A | 14.6 | 991 | 144.9 | 96.3 | 24,340 | 156 | 166 | 95% H-UCL |
| Cobalt | mg/kg | 59 | 59 | 100% | N/A | N/A | 6.9 | 16.9 | 11.5 | 11.1 | 6.665 | 2.582 | 12.06 | 95% Student's-t UCL |
| Copper | mg/kg | 60 | 60 | 100% | N/A | N/A | 25.2 | 496 | 55.59 | 44.85 | 3,664 | 60.53 | 69.79 | or 95% Modified-t UCL |
| Iron | mg/kg | 132 | 132 | 100% | N/A | N/A | 13,500 | 61,800 | 33,985 | 33,550 | 101,500,000 | 10,073 | 35,437 | 95% Student's-t UCL |
| Lead | mg/kg | 172 | 172 | 100% | N/A | N/A | 8 | 3,080 | 215.9 | 101.5 | 133,958 | 366 | 252.9 | 95% H-UCL |
| Manganese | mg/kg | 132 | 132 | 100% | N/A | N/A | 273 | 910 | 569.8 | 574 | 12,716 | 112.8 | 586.1 | 95% Student's-t UCL |
| Mercury | mg/kg | 57 | 54 | 95% | 0.031 | 0.11 | 0.023 | 4.1 | 0.725 | 0.38 | 0.92 | 0.959 | 1.236 | 95% KM (Chebyshev) UCL |
| Sulfate | mg/kg | 1 | 1 | 100% | N/A | N/A | 4,200 | 4,200 | 4,200 | 4,200 | N/A | N/A | 4,200 | Max Detect |
| Thallium | mg/kg | 60 | 15 | 25% | 0.021 | 3.5 | 0.04 | 1.5 | 0.315 | 0.2 | 0.145 | 0.381 | 0.344 | 95% KM (t) UCL |
| Vanadium | mg/kg | 59 | 59 | 100% | N/A | N/A | 24.7 | 97.2 | 46.7 | 45.2 | 210.7 | 14.52 | 49.85 | 95% Approximate Gamma UCL |

TABLE K3-3

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Non-Residential, Possible Future Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Standard Deviation of | | | | | | | | | | | | | | EPC ^a | EPC Basis |
|-----------------------|-------|---------------------------|----------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|--------------------|----------------------|------------------------|-------------------------|--|------------------|-----------|
| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Deviation of Detects | | | |

Notes:

^a When more than one recommended UCL was given the highest was selected as the EPC. If the recommended UCL exceeded the maximum detect, the maximum detect was selected as the EPC

EPC - Exposure Point Concentration

mg/kg - milligram per kilogram

N/A - Not Available

UCL - Upper Confidence Limit

TABLE K3-4

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|---|-------|---------------------------|----------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|--------------------|----------------------|------------------------|-------------------------------------|------------------|------------------------------|
| | | | | | | | | | | | | | | |
| NR10 Agua Fria Tailings Pile | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 23,900 | 23,900 | 23,900 | 23,900 | N/A | N/A | 23,900 | Max Detect |
| Arsenic | mg/kg | 13 | 13 | 100% | N/A | N/A | 48.4 | 4,640 | 2,238 | 2,620 | 3,401,500 | 1,844 | 3,150 | 95% Student's-t UCL |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 40.7 | 40.7 | 40.7 | 40.7 | N/A | N/A | 40.7 | Max Detect |
| Iron | mg/kg | 1 | 1 | 100% | N/A | N/A | 42,100 | 42,100 | 42,100 | 42,100 | N/A | N/A | 42,100 | Max Detect |
| Lead | mg/kg | 13 | 13 | 100% | N/A | N/A | 63.5 | 11,500 | 3,883 | 3,510 | 11,766,418 | 3,430 | 5,579 | 95% Student's-t UCL |
| Manganese | mg/kg | 1 | 1 | 100% | N/A | N/A | 1,410 | 1,410 | 1,410 | 1,410 | N/A | N/A | 1,410 | Max Detect |
| Thallium | mg/kg | 1 | 1 | 100% | N/A | N/A | 2.8 | 2.8 | 2.8 | 2.8 | N/A | N/A | 2.8 | Max Detect |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 108 | 108 | 108 | 108 | N/A | N/A | 108 | Max Detect |
| Zinc | mg/kg | 13 | 13 | 100% | N/A | N/A | 134 | 7,550 | 2,310 | 1,940 | 3,689,980 | 1,921 | 3,886 | 95% Adjusted Gamma UCL |
| NR11 Former Pyrometallurgical Operations Area | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 76 | 76 | 100% | N/A | N/A | 290 | 254,000 | 87,617 | 69,250 | 5,358,000,000 | 73,198 | 124,216 | 95% Chebyshev (Mean, Sd) UCL |
| Antimony | mg/kg | 76 | 51 | 67% | 0.36 | 8.5 | 0.67 | 118 | 15.33 | 12.2 | 357.1 | 18.9 | 15.04 | 95% Approximate Gamma KM-UCL |
| Aroclor-1248 | mg/kg | 4 | 1 | 25% | 0.035 | 0.045 | 0.97 | 0.97 | 0.97 | 0.97 | N/A | N/A | 0.97 | Max Detect |
| Arsenic | mg/kg | 219 | 217 | 99% | 18.9 | 20 | 7.7 | 15,100 | 237.8 | 68.8 | 1,096,485 | 1,047 | 542.8 | 95% KM (Chebyshev) UCL |
| Benzo[a]anthracene | mg/kg | 9 | 1 | 11% | 0.18 | 0.45 | 0.71 | 0.71 | 0.71 | 0.71 | N/A | N/A | 0.71 | Max Detect |
| Benzo[a]pyrene | mg/kg | 9 | 1 | 11% | 0.18 | 0.45 | 0.54 | 0.54 | 0.54 | 0.54 | N/A | N/A | 0.54 | Max Detect |
| Benzo[b]fluoranthene | mg/kg | 9 | 1 | 11% | 0.18 | 0.45 | 0.72 | 0.72 | 0.72 | 0.72 | N/A | N/A | 0.72 | Max Detect |
| Beryllium | mg/kg | 76 | 71 | 93% | 0.027 | 0.54 | 0.053 | 60.3 | 7.339 | 4 | 85.14 | 9.227 | 11.41 | 95% KM (Chebyshev) UCL |
| Cadmium | mg/kg | 76 | 69 | 91% | 0.19 | 1.1 | 0.19 | 85.7 | 9.704 | 6.6 | 135.8 | 11.65 | 14.56 | 95% KM (Chebyshev) UCL |
| Chloride | mg/kg | 5 | 4 | 80% | 12 | 12 | 9.1 | 130 | 59.53 | 49.5 | 3,558 | 59.65 | 105 | 95% KM (t) UCL |
| Chromium, Hexavalent | mg/kg | 3 | 1 | 33% | 0.79 | 0.8 | 1.7 | 1.7 | 1.7 | 1.7 | N/A | N/A | 1.7 | Max Detect |
| Cobalt | mg/kg | 76 | 76 | 100% | N/A | N/A | 2 | 46 | 17.68 | 17 | 65.9 | 8.118 | 19.23 | 95% Student's-t UCL |
| Copper | mg/kg | 77 | 77 | 100% | N/A | N/A | 43.6 | 28,100 | 4,654 | 3,730 | 21,461,319 | 4,633 | 6,955 | 95% Chebyshev (Mean, Sd) UCL |
| Dibenzo[a,h]anthracene | mg/kg | 9 | 1 | 11% | 0.18 | 0.45 | 0.11 | 0.11 | 0.11 | 0.11 | N/A | N/A | 0.11 | Max Detect |
| Indeno[1,2,3-cd]pyrene | mg/kg | 9 | 1 | 11% | 0.18 | 0.45 | 0.5 | 0.5 | 0.5 | 0.5 | N/A | N/A | 0.5 | Max Detect |
| Iron | mg/kg | 206 | 206 | 100% | N/A | N/A | 5,150 | 251,000 | 31,175 | 27,400 | 780,600,000 | 27,939 | 39,660 | 95% Chebyshev (Mean, Sd) UCL |
| Lead | mg/kg | 220 | 220 | 100% | N/A | N/A | 11 | 56,600 | 952.8 | 489 | 15,066,054 | 3,882 | 2,093 | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 206 | 206 | 100% | N/A | N/A | 18.4 | 2,110 | 788.1 | 771 | 105,326 | 324.5 | 886.6 | 95% Chebyshev (Mean, Sd) UCL |
| Mercury | mg/kg | 76 | 64 | 84% | 0.0064 | 0.12 | 0.068 | 8.1 | 0.791 | 0.315 | 2.113 | 1.454 | 1.351 | 95% KM (Chebyshev) UCL |
| Nickel | mg/kg | 76 | 76 | 100% | N/A | N/A | 0.47 | 1,240 | 229.6 | 141.5 | 60,121 | 245.2 | 285.6 | 95% Approximate Gamma UCL |
| Silver | mg/kg | 76 | 69 | 91% | 0.0034 | 1.1 | 0.073 | 397 | 13.33 | 6 | 2,242 | 47.35 | 34.75 | 95% KM (Chebyshev) UCL |
| Sulfate | mg/kg | 13 | 13 | 100% | N/A | N/A | 30 | 580 | 188.8 | 150 | 22,605 | 150.3 | 263.2 | 95% Student's-t UCL |
| TEQBird | mg/kg | 16 | 14 | 88% | 6.50E-08 | 2.80E-07 | 7.40E-10 | 0.00206 | 4.00E-04 | 3.24E-04 | 2.87E-07 | 5.36E-04 | 0.00206 | Max Detect |
| TEQFish | mg/kg | 16 | 14 | 88% | 6.50E-08 | 2.80E-07 | 7.40E-10 | 0.0013 | 2.51E-04 | 1.94E-04 | 1.15E-07 | 3.38E-04 | 0.0013 | Max Detect |
| TEQMammal | mg/kg | 16 | 14 | 88% | 6.50E-08 | 2.80E-07 | 2.22E-09 | 0.00116 | 2.23E-04 | 1.70E-04 | 9.10E-08 | 3.02E-04 | 0.00116 | Max Detect |
| Thallium | mg/kg | 76 | 17 | 22% | 0.0042 | 6.3 | 0.29 | 3.8 | 1.571 | 1.2 | 1.418 | 1.191 | 0.74 | 95% Approximate Gamma KM-UCL |
| Vanadium | mg/kg | 76 | 73 | 96% | 0.13 | 5.4 | 1.4 | 89.9 | 43.67 | 45.1 | 336.8 | 18.35 | 45.77 | 95% KM (t) UCL |
| Zinc | mg/kg | 220 | 220 | 100% | N/A | N/A | 47.5 | 17,600 | 2,464 | 2,140 | 4,495,138 | 2,120 | 2,711 | 95% Approximate Gamma UCL |
| NR12 Smelter Plateau | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 40 | 40 | 100% | N/A | N/A | 6,290 | 181,000 | 38,622 | 26,700 | 1,639,000,000 | 40,486 | 66,525 | 95% Chebyshev (Mean, Sd) UCL |
| Antimony | mg/kg | 40 | 34 | 85% | 0.03 | 8 | 0.62 | 125 | 9.195 | 2.8 | 455 | 21.33 | 21.7 | 95% KM (Chebyshev) UCL |
| Arsenic | mg/kg | 118 | 118 | 100% | N/A | N/A | 13 | 20,200 | 478.1 | 138 | 3,990,350 | 1,998 | 1,280 | 95% Chebyshev (Mean, Sd) UCL |
| Barium | mg/kg | 40 | 40 | 100% | N/A | N/A | 52.4 | 1,540 | 528.7 | 441.5 | 125,525 | 354.3 | 623.1 | 95% Student's-t UCL |
| Cadmium | mg/kg | 40 | 38 | 95% | 0.018 | 0.018 | 0.41 | 41.4 | 8.664 | 4.9 | 112.1 | 10.59 | 15.47 | 95% KM (Chebyshev) UCL |
| Chromium, Hexavalent | mg/kg | 1 | 1 | 100% | N/A | N/A | 18 | 18 | 18 | 18 | N/A | N/A | 18 | Max Detect |
| Cobalt | mg/kg | 40 | 39 | 98% | 6.3 | 6.3 | 2.2 | 59.2 | 20.24 | 19.8 | 135.7 | 11.65 | 22.97 | 95% KM (t) UCL |
| Copper | mg/kg | 42 | 42 | 100% | N/A | N/A | 104 | 14,200 | 2,116 | 1,100 | 10,713,689 | 3,273 | 4,318 | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 103 | 102 | 99% | 31.5 | 31.5 | 55.1 | 238,000 | 35,045 | 32,150 | 771,200,000 | 27,771 | 51,843 | 97.5% KM (Chebyshev) UCL |
| Lead | mg/kg | 118 | 118 | 100% | N/A | N/A | 14.5 | 13,100 | 797.1 | 313 | 2,971,413 | 1,724 | 1,029 | 95% H-UCL |
| Manganese | mg/kg | 103 | 103 | 100% | N/A | N/A | 101 | 46,000 | 3,032 | 838 | 63,611,264 | 7,976 | 6,458 | 95% Chebyshev (Mean, Sd) UCL |

TABLE K3-4

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|---|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|----------|------------------------------|-----------|
| | | | | | | | | | | | | Detects | Detects | | |
| Mercury | mg/kg | 40 | 39 | 98% | 0.1 | 0.1 | 0.046 | 7 | 1.083 | 0.4 | 2.909 | 1.706 | 2.223 | 95% KM (Chebyshev) UCL | |
| Nickel | mg/kg | 40 | 40 | 100% | N/A | N/A | 1.5 | 803 | 118.5 | 88.1 | 22,035 | 148.4 | 161.5 | 95% Adjusted Gamma UCL | |
| Silver | mg/kg | 40 | 37 | 93% | 6.00E-04 | 1.1 | 0.37 | 41 | 6.639 | 2.8 | 118.4 | 10.88 | 13.47 | 95% KM (Chebyshev) UCL | |
| Sulfate | mg/kg | 1 | 1 | 100% | N/A | N/A | 300 | 300 | 300 | 300 | N/A | N/A | 300 | Max Detect | |
| TEQBird | mg/kg | 3 | 1 | 33% | 8.20E-08 | 1.00E-07 | 4.69E-04 | 4.69E-04 | 4.69E-04 | 4.69E-04 | N/A | N/A | 0.000469 | Max Detect | |
| TEQFish | mg/kg | 3 | 1 | 33% | 8.20E-08 | 1.00E-07 | 2.49E-04 | 2.49E-04 | 2.49E-04 | 2.49E-04 | N/A | N/A | 0.000249 | Max Detect | |
| TEQMammal | mg/kg | 3 | 1 | 33% | 8.20E-08 | 1.00E-07 | 2.24E-04 | 2.24E-04 | 2.24E-04 | 2.24E-04 | N/A | N/A | 0.000224 | Max Detect | |
| Thallium | mg/kg | 40 | 17 | 43% | 0.0042 | 2.9 | 0.5 | 9.2 | 1.779 | 1.2 | 4.287 | 2.07 | 1.586 | 95% Adjusted Gamma KM-UCL | |
| Vanadium | mg/kg | 40 | 40 | 100% | N/A | N/A | 3.5 | 108 | 55.39 | 52.1 | 643.8 | 25.37 | 62.15 | 95% Student's-t UCL | |
| Zinc | mg/kg | 118 | 118 | 100% | N/A | N/A | 89.5 | 58,900 | 2,329 | 767 | 39,544,522 | 6,288 | 2,733 | 95% H-UCL | |
| NR14 South of Former Iron King Mine Property | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 4 | 4 | 100% | N/A | N/A | 15,400 | 36,000 | 24,450 | 23,200 | 78,416,667 | 8,855 | 34,870 | 95% Student's-t UCL | |
| Antimony | mg/kg | 5 | 4 | 80% | 0.3 | 0.3 | 1.8 | 43.9 | 13.05 | 3.25 | 423.8 | 20.59 | 28.93 | 95% KM (t) UCL | |
| Arsenic | mg/kg | 61 | 61 | 100% | N/A | N/A | 13.2 | 3,810 | 371.7 | 156 | 456,473 | 675.6 | 516.8 | 95% H-UCL | |
| Cobalt | mg/kg | 4 | 4 | 100% | N/A | N/A | 6.9 | 27.2 | 17.65 | 18.25 | 79.04 | 8.891 | 27.2 | Max Detect | |
| Iron | mg/kg | 41 | 41 | 100% | N/A | N/A | 29,300 | 103,000 | 62,534 | 61,600 | 203,400,000 | 14,261 | 66,284 | 95% Student's-t UCL | |
| Lead | mg/kg | 61 | 61 | 100% | N/A | N/A | 8.17 | 13,400 | 632.4 | 86.6 | 3,995,915 | 1,999 | 1,748 | 95% Chebyshev (Mean, Sd) UCL | |
| Manganese | mg/kg | 41 | 41 | 100% | N/A | N/A | 123 | 1,800 | 994.2 | 958 | 126,497 | 355.7 | 1,088 | 95% Student's-t UCL | |
| Sulfate | mg/kg | 1 | 1 | 100% | N/A | N/A | 2,700 | 2,700 | 2,700 | 2,700 | N/A | N/A | 2,700 | Max Detect | |
| Thallium | mg/kg | 5 | 4 | 80% | 0.021 | 0.021 | 0.4 | 9.5 | 3.088 | 1.225 | 18.83 | 4.339 | 6.413 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 4 | 4 | 100% | N/A | N/A | 71.3 | 171 | 112.1 | 103.1 | 2,085 | 45.66 | 165.9 | 95% Student's-t UCL | |
| Zinc | mg/kg | 59 | 59 | 100% | N/A | N/A | 61.8 | 2,370 | 652 | 401 | 421,667 | 649.4 | 892.8 | 95% H-UCL | |
| NR15 Auto Yard | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 7 | 7 | 100% | N/A | N/A | 17,600 | 21,300 | 19,871 | 20,600 | 2,112,381 | 1,453 | 20,939 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 26 | 26 | 100% | N/A | N/A | 15 | 110 | 31.47 | 24.8 | 516.8 | 22.73 | 39.51 | or 95% Modified-t UCL | |
| Cobalt | mg/kg | 7 | 7 | 100% | N/A | N/A | 14.8 | 24.3 | 19.2 | 19.2 | 12.67 | 3.559 | 21.81 | 95% Student's-t UCL | |
| Iron | mg/kg | 8 | 8 | 100% | N/A | N/A | 33,800 | 36,600 | 34,975 | 34,800 | 1,467,857 | 1,212 | 35,787 | 95% Student's-t UCL | |
| Lead | mg/kg | 26 | 19 | 73% | 5 | 5 | 5.3 | 86.6 | 29.34 | 19.6 | 591 | 24.31 | 44.65 | 95% GROS Adjusted Gamma UCL | |
| Manganese | mg/kg | 7 | 7 | 100% | N/A | N/A | 727 | 1,170 | 934.3 | 969 | 23,329 | 152.7 | 1,046 | 95% Student's-t UCL | |
| Sulfate | mg/kg | 1 | 1 | 100% | N/A | N/A | 100 | 100 | 100 | 100 | N/A | N/A | 100 | Max Detect | |
| Thallium | mg/kg | 15 | 1 | 7% | 0.73 | 5 | 2.9 | 2.9 | 2.9 | 2.9 | N/A | N/A | 2.9 | Max Detect | |
| Vanadium | mg/kg | 7 | 7 | 100% | N/A | N/A | 61.4 | 68.5 | 65.44 | 65 | 8.61 | 2.934 | 67.6 | 95% Student's-t UCL | |
| NR16 Former Mineworks Area | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 30 | 30 | 100% | N/A | N/A | 736 | 45,300 | 15,154 | 14,300 | 53,317,221 | 7,302 | 20,965 | 95% Chebyshev (Mean, Sd) UCL | |
| Antimony | mg/kg | 38 | 24 | 63% | 0.84 | 6.9 | 1.1 | 125 | 26.79 | 4.85 | 1,611 | 40.13 | 72.82 | 99% KM (Chebyshev) UCL | |
| Arsenic | mg/kg | 86 | 86 | 100% | N/A | N/A | 12.7 | 4,730 | 654.1 | 314.5 | 850,508 | 922.2 | 1,143 | 95% H-UCL | |
| Benzo[a]pyrene | mg/kg | 7 | 1 | 14% | 0.18 | 0.2 | 0.07 | 0.07 | 0.07 | 0.07 | N/A | N/A | 0.07 | Max Detect | |
| Cadmium | mg/kg | 40 | 36 | 90% | 0.016 | 0.19 | 0.31 | 37.3 | 7.876 | 4.35 | 74.11 | 8.609 | 12.95 | 95% KM (Chebyshev) UCL | |
| Cobalt | mg/kg | 30 | 28 | 93% | 1.7 | 6.1 | 3.1 | 35.1 | 19.03 | 19.15 | 58.12 | 7.624 | 20.55 | 95% KM (t) UCL | |
| Copper | mg/kg | 40 | 40 | 100% | N/A | N/A | 37.1 | 660 | 179.7 | 120.5 | 23,037 | 151.8 | 235 | 95% H-UCL | |
| Cyanide | mg/kg | 33 | 10 | 30% | 0.04 | 3 | 0.05 | 7.4 | 0.974 | 0.095 | 5.324 | 2.307 | 2.081 | 97.5% KM (Chebyshev) UCL | |
| Iron | mg/kg | 83 | 83 | 100% | N/A | N/A | 18,800 | 121,000 | 50,594 | 47,100 | 447,000,000 | 21,143 | 54,455 | 95% Student's-t UCL | |
| Lead | mg/kg | 86 | 83 | 97% | 7 | 7 | 3.3 | 65,700 | 3,255 | 718 | 70,860,359 | 8,418 | 8,726 | 97.5% KM (Chebyshev) UCL | |
| Manganese | mg/kg | 73 | 73 | 100% | N/A | N/A | 18.8 | 7,880 | 827.9 | 749 | 784,903 | 885.9 | 1,280 | 95% Chebyshev (Mean, Sd) UCL | |
| Mercury | mg/kg | 40 | 39 | 98% | 0.06 | 0.06 | 0.038 | 63.9 | 7.219 | 1.3 | 176.7 | 13.29 | 20.05 | 97.5% KM (Chebyshev) UCL | |
| Selenium | mg/kg | 40 | 37 | 93% | 0.52 | 3.8 | 0.59 | 61.8 | 13.51 | 5.1 | 301.4 | 17.36 | 24.31 | 95% KM (Chebyshev) UCL | |
| Silver | mg/kg | 40 | 37 | 93% | 0.0032 | 1.1 | 0.42 | 102 | 14.38 | 3.4 | 578.5 | 24.05 | 29.47 | 95% KM (Chebyshev) UCL | |
| Sulfate | mg/kg | 16 | 16 | 100% | N/A | N/A | 900 | 42,000 | 11,538 | 10,050 | 131,500,000 | 11,469 | 16,564 | 95% Student's-t UCL | |
| Thallium | mg/kg | 40 | 22 | 55% | 0.021 | 3 | 0.28 | 4.4 | 2.402 | 2.3 | 1.297 | 1.139 | 1.978 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 30 | 30 | 100% | N/A | N/A | 23.7 | 125 | 61.21 | 57.85 | 463.7 | 21.53 | 67.89 | 95% Student's-t UCL | |
| Zinc | mg/kg | 86 | 86 | 100% | N/A | N/A | 70.8 | 10,400 | 1,819 | 1,215 | 3,815,196 | 1,953 | 2,737 | 95% Chebyshev (Mean, Sd) UCL | |

TABLE K3-4

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard | EPC ^a | EPC Basis | |
|--|-------|---------------------------|----------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|--------------------|----------------------|------------------------|-------------------------|------------------|-----------------------------------|--|
| | | | | | | | | | | | | Deviation of Detects | | | |
| NR17 Main Tailings Pile | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 22 | 22 | 100% | N/A | N/A | 4,890 | 26,600 | 13,629 | 12,900 | 25,281,308 | 5,028 | 15,473 | 95% Student's-t UCL | |
| Antimony | mg/kg | 29 | 23 | 79% | 0.15 | 6.5 | 0.49 | 143 | 53.48 | 51 | 1,814 | 42.59 | 56.41 | 95% KM (t) UCL | |
| Arsenic | mg/kg | 64 | 63 | 98% | 13.1 | 13.1 | 19 | 12,000 | 2,222 | 1,270 | 6,635,793 | 2,576 | 4,194 | 97.5% KM (Chebyshev) UCL | |
| Cadmium | mg/kg | 29 | 24 | 83% | 0.015 | 1 | 1.3 | 54.3 | 23.43 | 25.85 | 250.3 | 15.82 | 24.76 | 95% KM (t) UCL | |
| Chromium, Hexavalent | mg/kg | 10 | 1 | 10% | 0.51 | 0.59 | 1.4 | 1.4 | 1.4 | 1.4 | N/A | N/A | 1.4 | Max Detect | |
| Cobalt | mg/kg | 22 | 21 | 95% | 2.3 | 2.3 | 6.9 | 29.5 | 14.36 | 14.5 | 27.14 | 5.21 | 15.91 | 95% KM (t) UCL | |
| Copper | mg/kg | 29 | 29 | 100% | N/A | N/A | 26.1 | 1,180 | 249.7 | 169 | 62,045 | 249.1 | 346.2 | 95% Adjusted Gamma UCL | |
| Cyanide | mg/kg | 24 | 8 | 33% | 2.5 | 3.2 | 0.06 | 6.5 | 1.25 | 0.52 | 4.665 | 2.16 | 1.548 | 95% Adjusted Gamma KM-UCL | |
| Iron | mg/kg | 41 | 41 | 100% | N/A | N/A | 23,800 | 193,000 | 79,312 | 58,000 | 1,875,000,000 | 43,307 | 108,793 | 95% Chebyshev (Mean, Sd) UCL | |
| Lead | mg/kg | 64 | 60 | 94% | 5 | 7 | 6.6 | 7,500 | 1,773 | 1,375 | 3,671,102 | 1,916 | 3,150 | 97.5% KM (Chebyshev) UCL | |
| Manganese | mg/kg | 38 | 38 | 100% | N/A | N/A | 144 | 1,590 | 808 | 874.5 | 76,292 | 276.2 | 883.6 | 95% Student's-t UCL | |
| Mercury | mg/kg | 44 | 39 | 89% | 0.083 | 0.11 | 0.13 | 65 | 14.1 | 8.9 | 235.2 | 15.34 | 22.45 | 95% KM (Chebyshev) UCL | |
| Selenium | mg/kg | 29 | 21 | 72% | 0.13 | 5 | 9.1 | 51.8 | 28.27 | 25.8 | 147.7 | 12.15 | 25.83 | 95% KM (Percentile Bootstrap) UCL | |
| Sulfate | mg/kg | 8 | 8 | 100% | N/A | N/A | 1,400 | 120,000 | 29,800 | 18,000 | 1,417,000,000 | 37,639 | 89,441 | 95% Adjusted Gamma UCL | |
| Thallium | mg/kg | 29 | 13 | 45% | 0.022 | 5 | 0.23 | 15.4 | 3.254 | 0.77 | 19.39 | 4.404 | 3.554 | 95% Adjusted Gamma KM-UCL | |
| Vanadium | mg/kg | 22 | 22 | 100% | N/A | N/A | 26.6 | 100 | 46.72 | 41.25 | 349.1 | 18.68 | 53.83 | or 95% Modified-t UCL | |
| Zinc | mg/kg | 49 | 49 | 100% | N/A | N/A | 50.6 | 16,400 | 3,897 | 1,520 | 22,057,992 | 4,697 | 6,822 | 95% Chebyshev (Mean, Sd) UCL | |
| NR18 North American Industries Operations Area | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 18 | 18 | 100% | N/A | N/A | 15,900 | 30,200 | 20,306 | 19,000 | 15,089,967 | 3,885 | 21,898 | 95% Student's-t UCL | |
| Antimony | mg/kg | 24 | 10 | 42% | 0.15 | 6.5 | 0.47 | 32.8 | 9.827 | 2.85 | 142.7 | 11.95 | 11.16 | 95% GROS Adjusted Gamma UCL | |
| Arsenic | mg/kg | 36 | 36 | 100% | N/A | N/A | 13 | 3,090 | 377.4 | 183 | 335,603 | 579.3 | 547.8 | 95% Adjusted Gamma UCL | |
| Cadmium | mg/kg | 24 | 21 | 88% | 0.11 | 1 | 1.1 | 24.6 | 5.067 | 3.6 | 32.9 | 5.735 | 9.449 | 95% KM (Chebyshev) UCL | |
| Cobalt | mg/kg | 18 | 18 | 100% | N/A | N/A | 15.3 | 59.3 | 22.92 | 19.9 | 100.3 | 10.02 | 26.99 | 95% Adjusted Gamma UCL | |
| Copper | mg/kg | 24 | 24 | 100% | N/A | N/A | 33 | 470 | 95.88 | 59.9 | 9,309 | 96.48 | 181.7 | 95% Chebyshev (Mean, Sd) UCL | |
| Iron | mg/kg | 21 | 21 | 100% | N/A | N/A | 15,800 | 95,500 | 42,867 | 39,500 | 241,300,000 | 15,533 | 49,375 | 95% Adjusted Gamma UCL | |
| Lead | mg/kg | 36 | 33 | 92% | 5 | 5 | 9.6 | 16,693 | 784.8 | 160 | 8,390,763 | 2,897 | 5,333 | 99% KM (Chebyshev) UCL | |
| Manganese | mg/kg | 19 | 19 | 100% | N/A | N/A | 720 | 1,350 | 957.8 | 885 | 31,094 | 176.3 | 1,028 | 95% Student's-t UCL | |
| Mercury | mg/kg | 35 | 30 | 86% | 0.05 | 0.11 | 0.091 | 26 | 2.676 | 0.91 | 26.36 | 5.134 | 7.415 | 97.5% KM (Chebyshev) UCL | |
| Sulfate | mg/kg | 2 | 2 | 100% | N/A | N/A | 180 | 19,000 | 9,590 | 9,590 | 177,100,000 | 13,308 | 19,000 | Max Detect | |
| Thallium | mg/kg | 24 | 1 | 4% | 0.022 | 5 | 2.9 | 2.9 | 2.9 | 2.9 | N/A | N/A | 2.9 | Max Detect | |
| Vanadium | mg/kg | 18 | 18 | 100% | N/A | N/A | 53.4 | 127 | 72.67 | 71.9 | 302.4 | 17.39 | 80.53 | 95% Adjusted Gamma UCL | |
| Zinc | mg/kg | 25 | 25 | 100% | N/A | N/A | 91 | 7,580 | 1,051 | 507 | 2,652,301 | 1,629 | 1,869 | 95% H-UCL | |
| NR2 Dewey-Humboldt Town Hall | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 13,400 | 16,600 | 15,030 | 15,000 | 1,029,000 | 1,014 | 15,618 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 11 | 11 | 100% | N/A | N/A | 8.41 | 14.9 | 12.87 | 13.6 | 3.505 | 1.872 | 13.9 | 95% Student's-t UCL | |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 10.6 | 14.9 | 12.37 | 11.95 | 1.998 | 1.413 | 13.22 | or 95% Modified-t UCL | |
| Iron | mg/kg | 10 | 10 | 100% | N/A | N/A | 21,000 | 22,900 | 21,960 | 21,900 | 467,111 | 683.5 | 22,356 | 95% Student's-t UCL | |
| Manganese | mg/kg | 10 | 10 | 100% | N/A | N/A | 499 | 633 | 586.2 | 588.5 | 1,494 | 38.65 | 608.6 | 95% Student's-t UCL | |
| Vanadium | mg/kg | 10 | 10 | 100% | N/A | N/A | 36.8 | 42.4 | 39.23 | 39.4 | 2.905 | 1.704 | 40.22 | 95% Student's-t UCL | |
| NR2 Humboldt Elementary School | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 32 | 32 | 100% | N/A | N/A | 3,310 | 24,000 | 12,825 | 14,350 | 30,581,961 | 5,530 | 14,483 | 95% Student's-t UCL | |
| Antimony | mg/kg | 32 | 27 | 84% | 0.51 | 6 | 0.6 | 3.8 | 1.455 | 1.4 | 0.468 | 0.684 | 1.625 | 95% Adjusted Gamma KM-UCL | |
| Arsenic | mg/kg | 32 | 32 | 100% | N/A | N/A | 4.5 | 37.3 | 20.01 | 18 | 93.13 | 9.651 | 22.91 | 95% Student's-t UCL | |
| Chloride | mg/kg | 2 | 2 | 100% | N/A | N/A | 7.9 | 67 | 37.45 | 37.45 | 1,746 | 41.79 | 67 | Max Detect | |
| Cobalt | mg/kg | 32 | 32 | 100% | N/A | N/A | 2.8 | 13.5 | 9.903 | 11.35 | 11.64 | 3.412 | 10.93 | 95% Student's-t UCL | |
| Iron | mg/kg | 32 | 32 | 100% | N/A | N/A | 9,590 | 29,900 | 22,262 | 24,550 | 39,680,914 | 6,299 | 24,150 | 95% Student's-t UCL | |
| Lead | mg/kg | 32 | 32 | 100% | N/A | N/A | 4.8 | 68.3 | 32.22 | 27.55 | 504 | 22.45 | 41.77 | 95% Adjusted Gamma UCL | |
| Manganese | mg/kg | 32 | 32 | 100% | N/A | N/A | 190 | 805 | 533 | 582.5 | 21,887 | 147.9 | 577.4 | 95% Student's-t UCL | |
| Sulfate | mg/kg | 2 | 2 | 100% | N/A | N/A | 34 | 260 | 147 | 147 | 25,538 | 159.8 | 260 | Max Detect | |
| Vanadium | mg/kg | 32 | 32 | 100% | N/A | N/A | 17.9 | 82.3 | 41.56 | 45 | 175 | 13.23 | 45.55 | or 95% Modified-t UCL | |

TABLE K3-4

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard | EPC ^a | EPC Basis | |
|---|-------|---------------------------|----------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|--------------------|----------------------|------------------------|-------------------------|------------------|------------------------------|--|
| | | | | | | | | | | | | Deviation of Detects | | | |
| NR4 JT Septic Facility | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 1 | 1 | 100% | N/A | N/A | 11,500 | 11,500 | 11,500 | 11,500 | N/A | N/A | 11,500 | Max Detect | |
| Antimony | mg/kg | 1 | 1 | 100% | N/A | N/A | 25.5 | 25.5 | 25.5 | 25.5 | N/A | N/A | 25.5 | Max Detect | |
| Arsenic | mg/kg | 9 | 9 | 100% | N/A | N/A | 16.4 | 1,940 | 712.8 | 501 | 463,072 | 680.5 | 1,135 | 95% Student's-t UCL | |
| Cadmium | mg/kg | 1 | 1 | 100% | N/A | N/A | 8.1 | 8.1 | 8.1 | 8.1 | N/A | N/A | 8.1 | Max Detect | |
| Cobalt | mg/kg | 1 | 1 | 100% | N/A | N/A | 11.9 | 11.9 | 11.9 | 11.9 | N/A | N/A | 11.9 | Max Detect | |
| Iron | mg/kg | 1 | 1 | 100% | N/A | N/A | 54,800 | 54,800 | 54,800 | 54,800 | N/A | N/A | 54,800 | Max Detect | |
| Lead | mg/kg | 9 | 9 | 100% | N/A | N/A | 7.43 | 3,100 | 1,183 | 490 | 1,290,272 | 1,136 | 1,887 | 95% Student's-t UCL | |
| Manganese | mg/kg | 1 | 1 | 100% | N/A | N/A | 496 | 496 | 496 | 496 | N/A | N/A | 496 | Max Detect | |
| Thallium | mg/kg | 1 | 1 | 100% | N/A | N/A | 1.1 | 1.1 | 1.1 | 1.1 | N/A | N/A | 1.1 | Max Detect | |
| Vanadium | mg/kg | 1 | 1 | 100% | N/A | N/A | 60.1 | 60.1 | 60.1 | 60.1 | N/A | N/A | 60.1 | Max Detect | |
| NR5 Main Tailings Pile 1964 Blow Out Path | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 2 | 2 | 100% | N/A | N/A | 11,300 | 12,900 | 12,100 | 12,100 | 1,280,000 | 1,131 | 12,900 | Max Detect | |
| Antimony | mg/kg | 2 | 2 | 100% | N/A | N/A | 4.5 | 8.7 | 6.6 | 6.6 | 8.82 | 2.97 | 8.7 | Max Detect | |
| Arsenic | mg/kg | 50 | 50 | 100% | N/A | N/A | 15.9 | 2,270 | 429.1 | 247 | 216,366 | 465.2 | 541.2 | 95% Approximate Gamma UCL | |
| Cobalt | mg/kg | 2 | 2 | 100% | N/A | N/A | 12.5 | 15.9 | 14.2 | 14.2 | 5.78 | 2.404 | 15.9 | Max Detect | |
| Iron | mg/kg | 6 | 6 | 100% | N/A | N/A | 30,600 | 39,400 | 35,833 | 36,000 | 11,670,667 | 3,416 | 38,644 | 95% Student's-t UCL | |
| Lead | mg/kg | 50 | 50 | 100% | N/A | N/A | 21.3 | 16,400 | 1,186 | 355 | 7,602,032 | 2,757 | 1,681 | 95% H-UCL | |
| Manganese | mg/kg | 6 | 6 | 100% | N/A | N/A | 537 | 825 | 646 | 619.5 | 10,199 | 101 | 729.1 | 95% Student's-t UCL | |
| Thallium | mg/kg | 2 | 1 | 50% | 2 | 2 | 0.35 | 0.35 | 0.35 | 0.35 | N/A | N/A | 0.35 | Max Detect | |
| Vanadium | mg/kg | 2 | 2 | 100% | N/A | N/A | 51.4 | 55.2 | 53.3 | 53.3 | 7.22 | 2.687 | 55.2 | Max Detect | |
| Zinc | mg/kg | 50 | 50 | 100% | N/A | N/A | 62.1 | 5,970 | 716.9 | 525.5 | 755,048 | 868.9 | 845.7 | 95% H-UCL | |
| NR6 Middle Chaparral Gulch | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 5 | 5 | 100% | N/A | N/A | 11,000 | 23,500 | 15,520 | 13,800 | 27,427,000 | 5,237 | 20,513 | 95% Student's-t UCL | |
| Antimony | mg/kg | 6 | 6 | 100% | N/A | N/A | 0.78 | 7.8 | 3.313 | 2.05 | 8.602 | 2.933 | 5.726 | 95% Student's-t UCL | |
| Arsenic | mg/kg | 101 | 101 | 100% | N/A | N/A | 10.9 | 3,400 | 331.3 | 247 | 166,220 | 407.7 | 395.2 | 95% Approximate Gamma UCL | |
| Cobalt | mg/kg | 5 | 5 | 100% | N/A | N/A | 13.3 | 20.6 | 16.6 | 15.8 | 8.595 | 2.932 | 19.4 | 95% Student's-t UCL | |
| Copper | mg/kg | 6 | 6 | 100% | N/A | N/A | 71.9 | 388 | 181 | 156.5 | 14,335 | 119.7 | 279.5 | 95% Student's-t UCL | |
| Iron | mg/kg | 33 | 30 | 91% | 31.5 | 31.5 | 23,500 | 46,300 | 37,313 | 38,600 | 28,865,333 | 5,373 | 37,476 | 95% KM (t) UCL | |
| Lead | mg/kg | 102 | 102 | 100% | N/A | N/A | 16.3 | 3,420 | 525.9 | 313 | 369,521 | 607.9 | 632.6 | 95% Approximate Gamma UCL | |
| Manganese | mg/kg | 33 | 33 | 100% | N/A | N/A | 243 | 40,800 | 3,894 | 601 | 111,300,000 | 10,549 | 11,898 | 95% Chebyshev (Mean, Sd) UCL | |
| Sulfate | mg/kg | 1 | 1 | 100% | N/A | N/A | 8,800 | 8,800 | 8,800 | 8,800 | N/A | N/A | 8,800 | Max Detect | |
| Thallium | mg/kg | 6 | 3 | 50% | 0.77 | 2.1 | 0.24 | 0.46 | 0.317 | 0.25 | 0.0154 | 0.124 | 0.46 | Max Detect | |
| Vanadium | mg/kg | 5 | 5 | 100% | N/A | N/A | 48.5 | 82.5 | 56.68 | 50 | 212.7 | 14.58 | 70.58 | 95% Student's-t UCL | |
| Zinc | mg/kg | 102 | 102 | 100% | N/A | N/A | 44.3 | 3,570 | 627.3 | 474 | 280,579 | 529.7 | 711.8 | 95% Approximate Gamma UCL | |
| NR7 Smelter Tailings Swale | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 22 | 22 | 100% | N/A | N/A | 3,520 | 86,200 | 15,585 | 13,300 | 274,700,000 | 16,575 | 20,755 | 95% H-UCL | |
| Antimony | mg/kg | 22 | 12 | 55% | 0.16 | 7 | 2 | 22 | 7.375 | 5.85 | 34.95 | 5.912 | 8.477 | 95% GROS Adjusted Gamma UCL | |
| Arsenic | mg/kg | 55 | 54 | 98% | 13.1 | 13.1 | 10.6 | 1,100 | 157.7 | 118.5 | 31,102 | 176.4 | 258.4 | 95% KM (Chebyshev) UCL | |
| Cadmium | mg/kg | 22 | 14 | 64% | 0.015 | 1.1 | 0.26 | 59.1 | 7.011 | 2.45 | 234.4 | 15.31 | 21.41 | 97.5% KM (Chebyshev) UCL | |
| Chloride | mg/kg | 5 | 3 | 60% | 10 | 10 | 7.6 | 25 | 14.87 | 12 | 81.85 | 9.047 | 19.83 | 95% KM (t) UCL | |
| Cobalt | mg/kg | 22 | 22 | 100% | N/A | N/A | 1.6 | 51.9 | 15.72 | 12.4 | 215.4 | 14.68 | 23.35 | 95% Adjusted Gamma UCL | |
| Copper | mg/kg | 23 | 23 | 100% | N/A | N/A | 25.6 | 5,250 | 1,651 | 1,200 | 2,216,290 | 1,489 | 2,184 | 95% Student's-t UCL | |
| Iron | mg/kg | 32 | 32 | 100% | N/A | N/A | 14,300 | 154,000 | 42,225 | 34,250 | 788,200,000 | 28,074 | 50,037 | 95% Adjusted Gamma UCL | |
| Lead | mg/kg | 55 | 55 | 100% | N/A | N/A | 8.9 | 971 | 209.9 | 154 | 37,295 | 193.1 | 263.1 | 95% Approximate Gamma UCL | |
| Manganese | mg/kg | 32 | 30 | 94% | 151 | 151 | 36.9 | 3,830 | 717.8 | 613.5 | 635,058 | 796.9 | 1,284 | 95% KM (Chebyshev) UCL | |
| Nickel | mg/kg | 22 | 20 | 91% | 0.03 | 0.031 | 1.3 | 162 | 36.51 | 31.1 | 1,642 | 40.53 | 70.47 | 95% KM (Chebyshev) UCL | |
| Sulfate | mg/kg | 8 | 8 | 100% | N/A | N/A | 120 | 38,000 | 14,305 | 9,600 | 233,000,000 | 15,264 | 24,530 | 95% Student's-t UCL | |
| Thallium | mg/kg | 22 | 17 | 77% | 0.9 | 6.3 | 0.23 | 5.7 | 2.347 | 1.6 | 3.367 | 1.835 | 2.717 | 95% KM (t) UCL | |
| Vanadium | mg/kg | 22 | 19 | 86% | 0.11 | 5.5 | 4 | 77.5 | 32.17 | 33.9 | 392.3 | 19.81 | 35.75 | 95% KM (t) UCL | |
| Zinc | mg/kg | 55 | 55 | 100% | N/A | N/A | 39.9 | 4,660 | 679.7 | 341 | 782,818 | 884.8 | 866.5 | 95% Approximate Gamma UCL | |

TABLE K3-4

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Non-Residential Soil*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard | EPC ^a | EPC Basis |
|---------------------------|-------|---------------------------|----------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|--------------------|----------------------|------------------------|-------------------------|------------------|------------------------------|
| | | | | | | | | | | | | Deviation of Detects | | |
| NR8 Tailings Floodplain | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 10 | 10 | 100% | N/A | N/A | 1,390 | 28,100 | 10,496 | 9,205 | 56,664,027 | 7,528 | 14,860 | 95% Student's-t UCL |
| Antimony | mg/kg | 10 | 8 | 80% | 2.7 | 4.3 | 0.37 | 6.6 | 3.209 | 3.1 | 4.348 | 2.085 | 4.131 | 95% KM (t) UCL |
| Arsenic | mg/kg | 91 | 91 | 100% | N/A | N/A | 17.9 | 3,500 | 359 | 258 | 173,933 | 417.1 | 549.6 | 95% Chebyshev (Mean, Sd) UCL |
| Cadmium | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.11 | 9.4 | 3.143 | 1.5 | 12.8 | 3.578 | 5.217 | 95% Student's-t UCL |
| Cobalt | mg/kg | 10 | 10 | 100% | N/A | N/A | 0.91 | 35.5 | 12.87 | 8.85 | 110.9 | 10.53 | 18.98 | 95% Student's-t UCL |
| Copper | mg/kg | 11 | 11 | 100% | N/A | N/A | 42.1 | 1,560 | 587.8 | N/A | N/A | 568.1 | 1,279 | 95% Adjusted Gamma UCL |
| Iron | mg/kg | 68 | 65 | 96% | 31.5 | 31.5 | 33.5 | 87,400 | 41,007 | 39,200 | 190,900,000 | 13,817 | 47,631 | 95% KM (Chebyshev) UCL |
| Lead | mg/kg | 91 | 91 | 100% | N/A | N/A | 14.5 | 12,300 | 676.1 | 336 | 2,100,003 | 1,449 | 1,338 | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 68 | 65 | 96% | 151 | 151 | 9.2 | 65,500 | 3,532 | 476 | 127,300,000 | 11,284 | 9,222 | 95% KM (Chebyshev) UCL |
| Mercury | mg/kg | 7 | 7 | 100% | N/A | N/A | 0.063 | 10.1 | 1.787 | 0.56 | 13.52 | 3.676 | 10.1 | Max Detect |
| Sulfate | mg/kg | 4 | 4 | 100% | N/A | N/A | 210 | 74,000 | 47,303 | 57,500 | 1,050,000,000 | 32,409 | 74,000 | Max Detect |
| Thallium | mg/kg | 10 | 7 | 70% | 0.86 | 3.1 | 0.18 | 4.7 | 1.31 | 0.53 | 2.797 | 1.672 | 2.838 | 95% Adjusted Gamma KM-UCL |
| Vanadium | mg/kg | 10 | 9 | 90% | 5.4 | 5.4 | 4.3 | 53 | 31.99 | 37.6 | 296.7 | 17.22 | 39.98 | 95% KM (t) UCL |
| Zinc | mg/kg | 91 | 91 | 100% | N/A | N/A | 40.4 | 14,700 | 953.4 | 581 | 2,829,139 | 1,682 | 1,722 | 95% Chebyshev (Mean, Sd) UCL |
| NR9 Lower Chaparral Gulch | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 4 | 4 | 100% | N/A | N/A | 4,520 | 26,800 | 14,668 | 13,675 | 109,100,000 | 10,443 | 26,800 | Max Detect |
| Antimony | mg/kg | 4 | 4 | 100% | N/A | N/A | 2.5 | 44.3 | 14.7 | 6 | 392.1 | 19.8 | 38 | 95% Student's-t UCL |
| Arsenic | mg/kg | 24 | 24 | 100% | N/A | N/A | 48.9 | 4,140 | 538.9 | 174 | 968,839 | 984.3 | 1,415 | 95% Chebyshev (Mean, Sd) UCL |
| Cobalt | mg/kg | 4 | 4 | 100% | N/A | N/A | 1.4 | 51.4 | 24 | 21.6 | 503.6 | 22.44 | 50.4 | 95% Student's-t UCL |
| Copper | mg/kg | 6 | 6 | 100% | N/A | N/A | 195 | 1,610 | 538.3 | 357.5 | 280,296 | 529.4 | 1,480 | 95% Chebyshev (Mean, Sd) UCL |
| Iron | mg/kg | 4 | 4 | 100% | N/A | N/A | 27,000 | 53,800 | 43,200 | 46,000 | 158,300,000 | 12,583 | 53,800 | Max Detect |
| Lead | mg/kg | 24 | 24 | 100% | N/A | N/A | 35.2 | 6,060 | 649.4 | 225.5 | 1,880,122 | 1,371 | 1,869 | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 4 | 4 | 100% | N/A | N/A | 56.4 | 2,570 | 1,036 | 759.5 | 1,190,646 | 1,091 | 2,320 | 95% Student's-t UCL |
| Thallium | mg/kg | 4 | 2 | 50% | 1.8 | 2.2 | 0.32 | 2.6 | 1.46 | 1.46 | 2.599 | 1.612 | 2.6 | Max Detect |
| Vanadium | mg/kg | 4 | 4 | 100% | N/A | N/A | 27.5 | 166 | 74.13 | 51.5 | 4,125 | 64.23 | 149.7 | 95% Student's-t UCL |
| Zinc | mg/kg | 24 | 24 | 100% | N/A | N/A | 147 | 8,140 | 1,096 | 589.5 | 2,728,374 | 1,652 | 1,512 | 95% H-UCL |

Notes:

^a When more than one recommended UCL was given the highest was selected as the EPC. If the recommended UCL exceeded the maximum detect, the maximum detect was selected as the EPC.

EPC - Exposure Point Concentration

mg/kg - milligram per kilogram

N/A - Not Available

UCL - Upper Confidence Limit

TABLE K3-5

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Air*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard | EPC ^a | EPC Basis |
|-----------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|----------------------|------------------|-----------------------------------|
| | | | | | | | | | | | | Deviation of Detects | | |
| ABG-01 | | | | | | | | | | | | | | |
| Aluminum | ug/m3 | 29 | 6 | 21% | 0.121 | 0.928 | 0.137 | 0.973 | 0.749 | 0.85 | 0.0973 | 0.312 | 0.367 | 95% KM (Percentile Bootstrap) UCL |
| Antimony | ug/m3 | 29 | 1 | 3% | 0.0014 | 0.0175 | 0.00337 | 0.00337 | 0.00337 | 0.00337 | N/A | N/A | 0.00337 | Max Detect |
| Arsenic | ug/m3 | 29 | 9 | 31% | 1.00E-04 | 0.0104 | 3.70E-04 | 0.0116 | 0.00333 | 0.00146 | 2.04E-05 | 0.00452 | 0.0106 | 95% GROS Adjusted Gamma UCL |
| Barium | ug/m3 | 29 | 3 | 10% | 0.0071 | 0.0324 | 0.00137 | 0.0229 | 0.0114 | 0.00998 | 1.17E-04 | 0.0108 | 0.00569 | 95% KM (t) UCL |
| Beryllium | ug/m3 | 29 | 1 | 3% | 0 | 9.00E-04 | 8.73E-04 | 8.73E-04 | 8.73E-04 | 8.73E-04 | N/A | N/A | 0.00087318 | Max Detect |
| Cadmium | ug/m3 | 29 | 3 | 10% | 1.00E-04 | 7.00E-04 | 1.24E-04 | 0.00141 | 5.78E-04 | 1.95E-04 | 5.25E-07 | 7.25E-04 | 2.52E-04 | 95% KM (t) UCL |
| Chromium | ug/m3 | 29 | 3 | 10% | 0.0026 | 0.0075 | 0.00283 | 0.00457 | 0.00352 | 0.00316 | 8.60E-07 | 9.27E-04 | 0.00324 | 95% KM (t) UCL |
| Copper | ug/m3 | 29 | 13 | 45% | 3.00E-04 | 0.0129 | 7.07E-04 | 0.0141 | 0.00389 | 0.00362 | 1.24E-05 | 0.00352 | 0.00928 | 95% GROS Adjusted Gamma UCL |
| Iron | ug/m3 | 29 | 16 | 55% | 0.171 | 1.01 | 0.129 | 1.314 | 0.513 | 0.474 | 0.086 | 0.293 | 0.486 | 95% KM (t) UCL |
| Lead | ug/m3 | 29 | 12 | 41% | 9.00E-04 | 0.0166 | 6.24E-04 | 0.0125 | 0.00503 | 0.00295 | 1.48E-05 | 0.00385 | 0.00378 | 95% KM (t) UCL |
| Nickel | ug/m3 | 29 | 3 | 10% | 0 | 0.0046 | 4.57E-04 | 0.00162 | 9.01E-04 | 6.24E-04 | 3.96E-07 | 6.30E-04 | 4.19E-04 | 95% KM (t) UCL |
| Selenium | ug/m3 | 29 | 5 | 17% | 1.00E-04 | 0.0062 | 6.66E-04 | 0.0125 | 0.00532 | 0.00104 | 3.79E-05 | 0.00616 | 0.00211 | 95% KM (t) UCL |
| Silver | ug/m3 | 29 | 2 | 7% | 0 | 0.0032 | 4.99E-04 | 0.02 | 0.0102 | 0.0102 | 1.89E-04 | 0.0138 | 0.0102 | 99% KM (Chebyshev) UCL |
| Zinc | ug/m3 | 29 | 4 | 14% | 1.00E-04 | 0.0212 | 0.00249 | 0.0204 | 0.00863 | 0.00582 | 6.48E-05 | 0.00805 | 0.00469 | 95% KM (t) UCL |
| AES-01 | | | | | | | | | | | | | | |
| Aluminum | ug/m3 | 28 | 18 | 64% | 0.179 | 1.107 | 0.383 | 1.509 | 0.933 | 0.904 | 0.0855 | 0.292 | 0.854 | 95% KM (Percentile Bootstrap) UCL |
| Arsenic | ug/m3 | 28 | 10 | 36% | 7.00E-04 | 0.0173 | 4.57E-04 | 0.0112 | 0.00284 | 0.00152 | 1.16E-05 | 0.00341 | 0.00234 | 95% KM (Percentile Bootstrap) UCL |
| Barium | ug/m3 | 28 | 1 | 4% | 0 | 0.0383 | 0.0079 | 0.0079 | 0.0079 | 0.0079 | N/A | N/A | 0.0079 | Max Detect |
| Beryllium | ug/m3 | 28 | 2 | 7% | 0 | 0.0018 | 4.99E-05 | 7.07E-04 | 3.79E-04 | 3.79E-04 | 2.16E-07 | 4.65E-04 | 4.82E-04 | 99% KM (Chebyshev) UCL |
| Cadmium | ug/m3 | 28 | 4 | 14% | 1.00E-04 | 0.0011 | 2.00E-04 | 0.00133 | 7.57E-04 | 7.48E-04 | 2.24E-07 | 4.73E-04 | 3.19E-04 | 95% KM (t) UCL |
| Chromium | ug/m3 | 28 | 2 | 7% | 0.003 | 0.0083 | 0.00624 | 0.00657 | 0.0064 | 0.0064 | 5.45E-08 | 2.34E-04 | 0.00385 | 95% KM (t) UCL |
| Copper | ug/m3 | 28 | 15 | 54% | 0.0014 | 0.0075 | 0.00116 | 0.00956 | 0.00521 | 0.00499 | 5.93E-06 | 0.00244 | 0.00452 | 95% KM (Percentile Bootstrap) UCL |
| Iron | ug/m3 | 28 | 21 | 75% | 0.038 | 0.973 | 0.457 | 2.245 | 1.131 | 0.998 | 0.216 | 0.465 | 1.108 | 95% KM (t) UCL |
| Lead | ug/m3 | 28 | 10 | 36% | 0.0017 | 0.0097 | 0.00121 | 0.00873 | 0.00407 | 0.00405 | 4.08E-06 | 0.00202 | 0.00328 | 95% KM (Percentile Bootstrap) UCL |
| Nickel | ug/m3 | 28 | 10 | 36% | 0 | 0.0076 | 4.16E-04 | 0.00707 | 0.00198 | 0.00114 | 4.13E-06 | 0.00203 | 0.00157 | 95% KM (Percentile Bootstrap) UCL |
| Selenium | ug/m3 | 28 | 3 | 11% | 1.00E-04 | 0.0104 | 0.0022 | 0.0133 | 0.0085 | 0.00998 | 3.25E-05 | 0.0057 | 0.00229 | 95% KM (t) UCL |
| Silver | ug/m3 | 28 | 2 | 7% | 0 | 0.003 | 5.82E-05 | 0.0162 | 0.00814 | 0.00814 | 1.31E-04 | 0.0114 | 0.00858 | 99% KM (Chebyshev) UCL |
| Zinc | ug/m3 | 28 | 7 | 25% | 0.004 | 0.0457 | 0.00873 | 0.0254 | 0.0156 | 0.0129 | 4.30E-05 | 0.00656 | 0.0111 | 95% KM (Percentile Bootstrap) UCL |
| AHS-01 | | | | | | | | | | | | | | |
| Aluminum | ug/m3 | 13 | 3 | 23% | 0.218 | 3.396 | 0.303 | 63.91 | 22.88 | 4.427 | 1,267 | 35.59 | 15.69 | 95% KM (t) UCL |
| Antimony | ug/m3 | 13 | 1 | 8% | 0.0128 | 0.0947 | 0.0454 | 0.0454 | 0.0454 | 0.0454 | N/A | N/A | 0.0454 | Max Detect |
| Barium | ug/m3 | 13 | 2 | 15% | 0.0196 | 0.0797 | 0.102 | 0.114 | 0.108 | 0.108 | 6.99E-05 | 0.00836 | 0.0557 | 95% KM (t) UCL |
| Beryllium | ug/m3 | 13 | 1 | 8% | 8.00E-04 | 0.0037 | 0.00184 | 0.00184 | 0.00184 | 0.00184 | N/A | N/A | 0.00184 | Max Detect |
| Chromium | ug/m3 | 13 | 1 | 8% | 0.0194 | 0.211 | 0.0997 | 0.0997 | 0.0997 | 0.0997 | N/A | N/A | 0.0997 | Max Detect |
| Copper | ug/m3 | 13 | 3 | 23% | 0.0058 | 0.132 | 0.00606 | 0.025 | 0.0171 | 0.0204 | 9.73E-05 | 0.00986 | 0.0129 | 95% KM (t) UCL |
| Iron | ug/m3 | 13 | 6 | 46% | 0.0598 | 0.793 | 0.149 | 25.7 | 4.896 | 0.908 | 104.1 | 10.2 | 15.16 | 97.5% KM (Chebyshev) UCL |
| Nickel | ug/m3 | 13 | 4 | 31% | 0.0065 | 0.0444 | 0.00833 | 0.0277 | 0.0157 | 0.0134 | 7.81E-05 | 0.00884 | 0.0137 | 95% KM (t) UCL |
| AHS-02 | | | | | | | | | | | | | | |
| Aluminum | ug/m3 | 44 | 25 | 57% | 0.15 | 0.898 | 0.478 | 16.3 | 2.306 | 1.173 | 11.16 | 3.341 | 2.174 | 95% KM (% Bootstrap) UCL |
| Antimony | ug/m3 | 44 | 1 | 2% | 0.0014 | 0.21 | 0.0256 | 0.0256 | 0.0256 | 0.0256 | N/A | N/A | 0.0256 | Max Detect |
| Arsenic | ug/m3 | 44 | 13 | 30% | 1.00E-04 | 0.25 | 3.78E-04 | 0.00749 | 0.00195 | 9.98E-04 | 6.22E-06 | 0.00249 | 0.00169 | 95% KM (% Bootstrap) UCL |
| Barium | ug/m3 | 44 | 2 | 5% | 0 | 0.23 | 0.00237 | 0.104 | 0.053 | 0.053 | 0.00512 | 0.0715 | 0.0394 | 99% KM (Chebyshev) UCL |
| Beryllium | ug/m3 | 44 | 1 | 2% | 0 | 0.0053 | 0.016 | 0.016 | 0.016 | 0.016 | N/A | N/A | 0.016 | Max Detect |
| Cadmium | ug/m3 | 44 | 7 | 16% | 1.00E-04 | 0.052 | 5.82E-05 | 0.00326 | 0.00107 | 7.48E-04 | 1.37E-06 | 0.00117 | 4.41E-04 | 95% KM (Percentile Bootstrap) UCL |
| Chromium | ug/m3 | 44 | 3 | 7% | 0.0037 | 0.087 | 0.00999 | 0.0563 | 0.0293 | 0.0216 | 5.80E-04 | 0.0241 | 0.00845 | 95% KM (t) UCL |
| Copper | ug/m3 | 44 | 37 | 84% | 0.0038 | 0.0158 | 0.00187 | 0.233 | 0.0423 | 0.0229 | 0.00314 | 0.056 | 0.0712 | 95% KM (Chebyshev) UCL |
| Iron | ug/m3 | 44 | 26 | 59% | 0.187 | 1.003 | 0.2 | 22.7 | 1.512 | 0.536 | 18.83 | 4.339 | 2.054 | 95% KM (% Bootstrap) UCL |
| Lead | ug/m3 | 44 | 21 | 48% | 0.0014 | 0.0291 | 0.00187 | 0.18 | 0.0158 | 0.00541 | 0.00146 | 0.0383 | 0.0169 | 95% KM (% Bootstrap) UCL |
| Mercury | ug/m3 | 44 | 1 | 2% | 2.00E-04 | 6.00E-04 | 0.00111 | 0.00111 | 0.00111 | 0.00111 | N/A | N/A | 0.00111 | Max Detect |

TABLE K3-5

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Air*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|----------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-------------------------------|------------------|-----------------------------------|
| | | | | | | | | | | | | | | |
| Nickel | ug/m3 | 44 | 15 | 34% | 0 | 0.11 | 5.82E-05 | 0.0499 | 0.00773 | 0.00233 | 1.68E-04 | 0.0129 | 0.00715 | 95% Adjusted Gamma KM-UCL |
| Selenium | ug/m3 | 44 | 6 | 14% | 1.00E-04 | 0.15 | 0.00116 | 0.0141 | 0.0045 | 0.00183 | 2.66E-05 | 0.00515 | 0.00184 | 95% KM (t) UCL |
| Silver | ug/m3 | 44 | 6 | 14% | 0 | 0.044 | 2.91E-05 | 0.0132 | 0.0033 | 3.37E-04 | 2.87E-05 | 0.00536 | 0.00114 | 95% KM (t) UCL |
| Zinc | ug/m3 | 44 | 16 | 36% | 0.0029 | 0.52 | 0.00391 | 0.191 | 0.0564 | 0.0351 | 0.0035 | 0.0592 | 0.0418 | 95% Adjusted Gamma KM-UCL |
| AHS-03 | | | | | | | | | | | | | | |
| Aluminum | ug/m3 | 13 | 1 | 8% | 0.219 | 1.423 | 0.704 | 0.704 | 0.704 | 0.704 | N/A | N/A | 0.704 | Max Detect |
| Antimony | ug/m3 | 13 | 2 | 15% | 0.0126 | 0.0502 | 0.0162 | 0.024 | 0.0201 | 0.0201 | 3.04E-05 | 0.00551 | 0.0174 | 95% KM (t) UCL |
| Barium | ug/m3 | 13 | 2 | 15% | 0.0195 | 0.0997 | 0.051 | 0.104 | 0.0777 | 0.0777 | 0.00142 | 0.0377 | 0.0457 | 95% KM (t) UCL |
| Beryllium | ug/m3 | 13 | 1 | 8% | 8.00E-04 | 0.0047 | 8.51E-04 | 8.51E-04 | 8.51E-04 | 8.51E-04 | N/A | N/A | 0.00085117 | Max Detect |
| Cadmium | ug/m3 | 13 | 1 | 8% | 0.0015 | 0.0049 | 0.00192 | 0.00192 | 0.00192 | 0.00192 | N/A | N/A | 0.00192 | Max Detect |
| Chromium | ug/m3 | 13 | 1 | 8% | 0.0255 | 0.0654 | 0.067 | 0.067 | 0.067 | 0.067 | N/A | N/A | 0.067 | Max Detect |
| Copper | ug/m3 | 13 | 5 | 38% | 0.0057 | 0.0396 | 0.0192 | 0.056 | 0.0329 | 0.0341 | 2.28E-04 | 0.0151 | 0.0257 | 95% KM (t) UCL |
| Iron | ug/m3 | 13 | 7 | 54% | 0.276 | 0.869 | 0.161 | 1.991 | 0.749 | 0.684 | 0.379 | 0.615 | 0.79 | 95% KM (t) UCL |
| Lead | ug/m3 | 13 | 1 | 8% | 0.0099 | 0.0255 | 0.0161 | 0.0161 | 0.0161 | 0.0161 | N/A | N/A | 0.0161 | Max Detect |
| Nickel | ug/m3 | 13 | 2 | 15% | 0.0066 | 0.206 | 0.0117 | 0.0125 | 0.0121 | 0.0121 | 3.73E-07 | 6.11E-04 | 0.00976 | 95% KM (t) UCL |
| AIK-01 | | | | | | | | | | | | | | |
| Aluminum | ug/m3 | 7 | 2 | 29% | 0.219 | 4.613 | 0.94 | 1.005 | 0.973 | 0.973 | 0.00211 | 0.0459 | 1.005 | Max Detect |
| Arsenic | ug/m3 | 7 | 2 | 29% | 0.0161 | 0.0347 | 0.0195 | 0.0354 | 0.0274 | 0.0274 | 1.26E-04 | 0.0112 | 0.0265 | 95% KM (t) UCL |
| Barium | ug/m3 | 7 | 1 | 14% | 0.0196 | 0.103 | 0.0602 | 0.0602 | 0.0602 | 0.0602 | N/A | N/A | 0.0602 | Max Detect |
| Chromium | ug/m3 | 7 | 1 | 14% | 0.0358 | 0.0584 | 0.0707 | 0.0707 | 0.0707 | 0.0707 | N/A | N/A | 0.0707 | Max Detect |
| Copper | ug/m3 | 7 | 4 | 57% | 0.0084 | 0.0199 | 0.0208 | 0.0964 | 0.0473 | 0.0361 | 0.00114 | 0.0338 | 0.0555 | 95% KM (t) UCL |
| Iron | ug/m3 | 7 | 6 | 86% | 0.359 | 0.359 | 1.003 | 6.145 | 2.696 | 2.419 | 3.467 | 1.862 | 3.789 | 95% KM (t) UCL |
| Lead | ug/m3 | 7 | 2 | 29% | 0.0098 | 0.096 | 0.036 | 0.0447 | 0.0403 | 0.0403 | 3.78E-05 | 0.00615 | 0.0447 | Max Detect |
| Mercury | ug/m4 | 7 | 1 | 14% | 6.00E-04 | 7.00E-04 | 0.00112 | 0.00112 | 0.00112 | 0.00112 | N/A | N/A | 0.00112 | Max Detect |
| Nickel | ug/m3 | 7 | 2 | 29% | 0.0065 | 0.0127 | 0.014 | 0.0557 | 0.0349 | 0.0349 | 8.72E-04 | 0.0295 | 0.0322 | 95% KM (t) UCL |
| AIK-01A | | | | | | | | | | | | | | |
| Antimony | ug/m3 | 7 | 1 | 14% | 0.0129 | 0.036 | 0.0207 | 0.0207 | 0.0207 | 0.0207 | N/A | N/A | 0.0207 | Max Detect |
| Arsenic | ug/m3 | 7 | 1 | 14% | 0.0167 | 0.0476 | 0.0318 | 0.0318 | 0.0318 | 0.0318 | N/A | N/A | 0.0318 | Max Detect |
| Barium | ug/m3 | 7 | 1 | 14% | 0.0196 | 0.184 | 0.0214 | 0.0214 | 0.0214 | 0.0214 | N/A | N/A | 0.0214 | Max Detect |
| Cadmium | ug/m3 | 7 | 2 | 29% | 0.0015 | 0.0018 | 0.00161 | 0.00306 | 0.00233 | 0.00233 | 1.05E-06 | 0.00102 | 0.0023 | 95% KM (t) UCL |
| Iron | ug/m3 | 7 | 2 | 29% | 0.489 | 0.765 | 0.391 | 0.905 | 0.648 | 0.648 | 0.132 | 0.363 | 0.651 | 95% KM (t) UCL |
| Lead | ug/m3 | 7 | 1 | 14% | 0.0098 | 0.0104 | 0.0199 | 0.0199 | 0.0199 | 0.0199 | N/A | N/A | 0.0199 | Max Detect |
| AIK-02 | | | | | | | | | | | | | | |
| Aluminum | ug/m3 | 49 | 7 | 14% | 0.195 | 1.188 | 0.0873 | 0.878 | 0.59 | 0.694 | 0.08 | 0.283 | 0.324 | 95% KM (Percentile Bootstrap) UCL |
| Antimony | ug/m3 | 49 | 1 | 2% | 0.0014 | 0.0471 | 0.0157 | 0.0157 | 0.0157 | 0.0157 | N/A | N/A | 0.0157 | Max Detect |
| Arsenic | ug/m3 | 49 | 17 | 35% | 1.00E-04 | 0.0468 | 8.32E-04 | 0.0262 | 0.00582 | 0.00249 | 4.32E-05 | 0.00657 | 0.00466 | 95% KM (% Bootstrap) UCL |
| Barium | ug/m3 | 49 | 4 | 8% | 0.0071 | 0.114 | 1.08E-03 | 0.0516 | 0.024 | 0.0216 | 4.34E-04 | 0.0208 | 0.00644 | 95% KM (t) UCL |
| Cadmium | ug/m3 | 49 | 7 | 14% | 1.00E-04 | 0.0027 | 6.65E-05 | 0.00356 | 0.00142 | 0.00116 | 1.84E-06 | 0.00136 | 4.84E-04 | 95% KM (Percentile Bootstrap) UCL |
| Chromium | ug/m3 | 49 | 5 | 10% | 3.10E-03 | 0.0744 | 0.00366 | 0.129 | 0.0491 | 0.0421 | 0.00265 | 0.0515 | 0.0137 | 95% KM (Percentile Bootstrap) UCL |
| Copper | ug/m3 | 49 | 24 | 49% | 8.00E-04 | 0.0142 | 1.04E-03 | 0.183 | 0.0163 | 0.00582 | 1.34E-03 | 0.0366 | 0.0164 | 95% KM (BCA) UCL |
| Iron | ug/m3 | 49 | 25 | 51% | 9.56E-02 | 1.431 | 0.263 | 1.497 | 0.705 | 0.558 | 0.138 | 0.372 | 0.613 | 95% KM (t) UCL |
| Lead | ug/m3 | 49 | 19 | 39% | 6.00E-04 | 0.0379 | 0.00287 | 0.0116 | 0.00631 | 0.00499 | 8.46E-06 | 0.00291 | 0.00539 | 95% KM (Percentile Bootstrap) UCL |
| Mercury | ug/m3 | 47 | 1 | 2% | 2.00E-04 | 7.00E-04 | 5.80E-04 | 5.80E-04 | 5.80E-04 | 5.80E-04 | N/A | N/A | 0.00058023 | Max Detect |
| Nickel | ug/m3 | 49 | 10 | 20% | 0.00E+00 | 4.31E-02 | 1.54E-04 | 0.137 | 0.0173 | 0.00267 | 1.80E-03 | 0.0425 | 0.0235 | 95% Adjusted Gamma KM-UCL |
| Selenium | ug/m3 | 49 | 11 | 22% | 1.00E-04 | 0.0221 | 2.45E-04 | 2.22E-02 | 6.00E-03 | 1.74E-03 | 5.50E-05 | 0.00742 | 0.0108 | 95% GROS Adjusted Gamma UCL |
| Silver | ug/m3 | 49 | 3 | 6% | 0.00E+00 | 0.0073 | 5.82E-05 | 0.00731 | 0.00248 | 6.24E-05 | 1.75E-05 | 0.00418 | 4.62E-04 | 95% KM (t) UCL |
| Zinc | ug/m3 | 49 | 8 | 16% | 1.00E-04 | 0.081 | 1.00E-02 | 0.0915 | 0.0471 | 0.0426 | 9.69E-04 | 0.0311 | 0.0155 | 95% KM (Percentile Bootstrap) UCL |
| AIK-03 | | | | | | | | | | | | | | |
| Aluminum | ug/m3 | 12 | 1 | 8% | 0.218 | 1.363 | 1.137 | 1.137 | 1.137 | 1.137 | N/A | N/A | 1.137 | Max Detect |
| Antimony | ug/m3 | 12 | 2 | 17% | 0.0126 | 0.0793 | 0.0251 | 0.0276 | 0.0263 | 0.0263 | 3.09E-06 | 0.00176 | 0.0205 | 95% KM (t) UCL |

TABLE K3-5

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Air*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Iron King Mine - Humboldt Smelter Superfund Site, Dewey, Humboldt, Navajo County, Arizona | | | | | | | | | | | | | | |
|---|-------|---------------------------|----------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|--------------------|----------------------|------------------------|-------------------------|------------------|----------------|
| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard | EPC ^a | EPC Basis |
| | | | | | | | | | | | | Deviation of Detects | | |
| Barium | ug/m3 | 12 | 1 | 8% | 0.0198 | 0.12 | 0.0877 | 0.0877 | 0.0877 | 0.0877 | N/A | N/A | 0.0877 | Max Detect |
| Beryllium | ug/m3 | 12 | 1 | 8% | 8.00E-04 | 0.0053 | 0.00138 | 0.00138 | 0.00138 | 0.00138 | N/A | N/A | 0.00138 | Max Detect |
| Cadmium | ug/m3 | 12 | 1 | 8% | 0.0015 | 0.0061 | 0.00312 | 0.00312 | 0.00312 | 0.00312 | N/A | N/A | 0.00312 | Max Detect |
| Chromium | ug/m3 | 12 | 2 | 17% | 0.036 | 0.0536 | 0.0413 | 0.0655 | 0.0534 | 0.0534 | 2.92E-04 | 0.0171 | 0.0456 | 95% KM (t) UCL |
| Copper | ug/m3 | 12 | 6 | 50% | 0.0057 | 0.0094 | 0.00601 | 0.0182 | 0.0121 | 0.011 | 2.16E-05 | 0.00465 | 0.0114 | 95% KM (t) UCL |
| Iron | ug/m3 | 12 | 7 | 58% | 0.486 | 0.921 | 0.285 | 0.595 | 0.434 | 0.387 | 0.0136 | 0.116 | 0.494 | 95% KM (t) UCL |
| Nickel | ug/m3 | 12 | 3 | 25% | 0.0065 | 0.0336 | 0.00724 | 0.019 | 0.0121 | 0.0102 | 3.70E-05 | 0.00609 | 0.0105 | 95% KM (t) UCL |

Notes:

^a When more than one recommended UCL was given the highest was selected as the EPC. If the recommended UCL exceeded the maximum detect, the maximum detect was selected as the EPC

EPC - Exposure Point Concentration

N/A - Not Available

UCL - Upper Confidence Limit

ug/m3 - microgram per cubic meter

TABLE K3-6

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Sediment

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

| | | | | | | | | | | | | | Standard | | |
|--------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|----------------------|------------------|------------------------------|--|
| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Deviation of Detects | EPC ^a | EPC Basis | |
| AF-01 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 4 | 4 | 100% | N/A | N/A | 3,480 | 24,800 | 9,978 | 5,815 | 100,200,000 | 10,011 | 24,800 | Max Detect | |
| Arsenic | mg/kg | 4 | 4 | 100% | N/A | N/A | 7.2 | 20.6 | 11.88 | 9.85 | 35.48 | 5.956 | 20.6 | Max Detect | |
| Barium | mg/kg | 4 | 4 | 100% | N/A | N/A | 35.4 | 238 | 105.2 | 73.7 | 8,467 | 92.01 | 238 | Max Detect | |
| Beryllium | mg/kg | 4 | 4 | 100% | N/A | N/A | 0.11 | 0.89 | 0.4 | 0.3 | 0.119 | 0.345 | 0.89 | Max Detect | |
| Cadmium | mg/kg | 4 | 1 | 25% | 0.05 | 0.83 | 0.27 | 0.27 | 0.27 | 0.27 | N/A | N/A | 0.27 | Max Detect | |
| Cobalt | mg/kg | 4 | 3 | 75% | 5 | 5 | 5.3 | 13.5 | 9.167 | 8.7 | 16.97 | 4.12 | 13.5 | Max Detect | |
| Copper | mg/kg | 4 | 4 | 100% | N/A | N/A | 12.7 | 44.6 | 24.9 | 21.15 | 233.7 | 15.29 | 44.6 | Max Detect | |
| Iron | mg/kg | 4 | 4 | 100% | N/A | N/A | 8,830 | 31,100 | 16,483 | 13,000 | 101,000,000 | 10,049 | 31,100 | Max Detect | |
| Lead | mg/kg | 4 | 4 | 100% | N/A | N/A | 3.9 | 14.1 | 10.4 | 11.8 | 20.38 | 4.514 | 14.1 | Max Detect | |
| Manganese | mg/kg | 4 | 4 | 100% | N/A | N/A | 231 | 535 | 326.3 | 269.5 | 20,585 | 143.5 | 535 | Max Detect | |
| Mercury | mg/kg | 4 | 1 | 25% | 0.12 | 0.17 | 0.035 | 0.035 | 0.035 | 0.035 | N/A | N/A | 0.035 | Max Detect | |
| Nickel | mg/kg | 4 | 4 | 100% | N/A | N/A | 6.8 | 26 | 13.48 | 10.55 | 80.78 | 8.988 | 26 | Max Detect | |
| Selenium | mg/kg | 4 | 1 | 25% | 4.3 | 5.8 | 1.5 | 1.5 | 1.5 | 1.5 | N/A | N/A | 1.5 | Max Detect | |
| Silver | mg/kg | 4 | 1 | 25% | 0.0092 | 1 | 0.13 | 0.13 | 0.13 | 0.13 | N/A | N/A | 0.13 | Max Detect | |
| Sulfate | mg/kg | 2 | 2 | 100% | N/A | N/A | 28 | 66 | 47 | 47 | 722 | 26.87 | 66 | Max Detect | |
| TEQBird | mg/kg | 1 | 1 | 100% | N/A | N/A | 4.27E-08 | 4.27E-08 | 4.27E-08 | 4.27E-08 | N/A | N/A | 4.27E-08 | Max Detect | |
| TEQFish | mg/kg | 1 | 1 | 100% | N/A | N/A | 1.55E-07 | 1.55E-07 | 1.55E-07 | 1.55E-07 | N/A | N/A | 0.000000155 | Max Detect | |
| TEQMammal | mg/kg | 1 | 1 | 100% | N/A | N/A | 2.20E-07 | 2.20E-07 | 2.20E-07 | 2.20E-07 | N/A | N/A | 0.00000022 | Max Detect | |
| Vanadium | mg/kg | 4 | 4 | 100% | N/A | N/A | 16.3 | 73.6 | 37.3 | 29.65 | 692.6 | 26.32 | 73.6 | Max Detect | |
| Zinc | mg/kg | 4 | 4 | 100% | N/A | N/A | 21.9 | 89 | 47.13 | 38.8 | 867.6 | 29.46 | 89 | Max Detect | |
| AF-02 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 15 | 15 | 100% | N/A | N/A | 6,030 | 110,000 | 17,930 | 9,310 | 701,100,000 | 26,479 | 47,731 | 95% Chebyshev (Mean, Sd) UCL | |
| Antimony | mg/kg | 16 | 4 | 25% | 0.15 | 9.7 | 1.3 | 3.3 | 2.6 | 2.9 | 0.813 | 0.902 | 2.038 | 95% KM (t) UCL | |
| Arsenic | mg/kg | 16 | 16 | 100% | N/A | N/A | 9.3 | 163 | 34.49 | 15.75 | 2,000 | 44.72 | 83.22 | 95% Chebyshev (Mean, Sd) UCL | |
| Barium | mg/kg | 16 | 16 | 100% | N/A | N/A | 35.5 | 207 | 97.99 | 94.35 | 3,188 | 56.46 | 122.7 | 95% Student's-t UCL | |
| Beryllium | mg/kg | 15 | 13 | 87% | 0.091 | 0.58 | 0.17 | 5.7 | 0.855 | 0.31 | 2.331 | 1.527 | 3.09 | 97.5% KM (Chebyshev) UCL | |
| Cadmium | mg/kg | 16 | 13 | 81% | 0.11 | 0.84 | 0.042 | 12.7 | 1.196 | 0.14 | 12.04 | 3.47 | 8.852 | 99% KM (Chebyshev) UCL | |
| Cobalt | mg/kg | 15 | 15 | 100% | N/A | N/A | 5.1 | 28.1 | 11.11 | 9.4 | 32.86 | 5.733 | 13.71 | 95% Student's-t UCL | |
| Copper | mg/kg | 16 | 16 | 100% | N/A | N/A | 12.4 | 8,030 | 597.8 | 28.05 | 4,005,016 | 2,001 | 5,576 | 99% Chebyshev (Mean, Sd) UCL | |
| Cyanide | mg/kg | 9 | 1 | 11% | 3 | 4.2 | 0.11 | 0.11 | 0.11 | 0.11 | N/A | N/A | 0.11 | Max Detect | |
| Iron | mg/kg | 16 | 16 | 100% | N/A | N/A | 11,300 | 32,300 | 20,813 | 19,950 | 36,734,500 | 6,061 | 23,469 | 95% Student's-t UCL | |
| Lead | mg/kg | 16 | 15 | 94% | 0.0093 | 0.0093 | 3.1 | 709 | 66.34 | 11.1 | 32,731 | 180.9 | 336.9 | 97.5% KM (Chebyshev) UCL | |
| Manganese | mg/kg | 16 | 16 | 100% | N/A | N/A | 226 | 1,010 | 473.3 | 445 | 41,794 | 204.4 | 562.8 | 95% Student's-t UCL | |
| Mercury | mg/kg | 16 | 3 | 19% | 0.0056 | 0.17 | 0.0066 | 0.77 | 0.263 | 0.013 | 0.193 | 0.439 | 0.154 | 95% KM (t) UCL | |
| Nickel | mg/kg | 15 | 15 | 100% | N/A | N/A | 7.2 | 877 | 76.73 | 14.5 | 49,333 | 222.1 | 326.7 | 95% Chebyshev (Mean, Sd) UCL | |
| Nitrate as N | mg/kg | 3 | 2 | 67% | 1.4 | 1.4 | 2 | 6.6 | 4.3 | 4.3 | 10.58 | 3.253 | 6.6 | Max Detect | |
| Selenium | mg/kg | 16 | 13 | 81% | 0.49 | 5.1 | 0.17 | 7.1 | 1.204 | 0.3 | 3.56 | 1.887 | 3.789 | 97.5% KM (Chebyshev) UCL | |
| Silver | mg/kg | 16 | 3 | 19% | 0.0029 | 1.7 | 3.2 | 27.1 | 13.83 | 11.2 | 148 | 12.17 | 6.301 | 95% KM (t) UCL | |
| Sulfate | mg/kg | 3 | 3 | 100% | N/A | N/A | 10 | 220 | 88 | 34 | 13,212 | 114.9 | 220 | Max Detect | |
| TEQBird | mg/kg | 4 | 2 | 50% | 4.79E-07 | 4.96E-07 | 9.37E-10 | 1.23E-07 | 6.20E-08 | 6.20E-08 | 7.45E-15 | 8.63E-08 | 0.000000123 | Max Detect | |
| TEQFish | mg/kg | 4 | 2 | 50% | 4.79E-07 | 4.96E-07 | 9.37E-10 | 6.14E-08 | 3.12E-08 | 3.12E-08 | 1.83E-15 | 4.28E-08 | 6.14E-08 | Max Detect | |
| TEQMammal | mg/kg | 4 | 2 | 50% | 4.79E-07 | 4.96E-07 | 2.81E-09 | 3.68E-08 | 1.98E-08 | 1.98E-08 | 5.78E-16 | 2.40E-08 | 3.68E-08 | Max Detect | |
| Thallium | mg/kg | 16 | 1 | 6% | 0.022 | 4 | 1.5 | 1.5 | 1.5 | 1.5 | N/A | N/A | 1.5 | Max Detect | |
| Vanadium | mg/kg | 15 | 15 | 100% | N/A | N/A | 27.2 | 85.2 | 46.28 | 40.9 | 302.3 | 17.39 | 54.19 | 95% Student's-t UCL | |
| Zinc | mg/kg | 16 | 16 | 100% | N/A | N/A | 27.4 | 4,130 | 351.8 | 50.8 | 1,049,966 | 1,025 | 1,468 | 95% Chebyshev (Mean, Sd) UCL | |
| AF-03 | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | 11 | 11 | 100% | N/A | N/A | 3,990 | 16,400 | 8,832 | 7,060 | 16,830,856 | 4,103 | 11,074 | 95% Student's-t UCL | |
| Antimony | mg/kg | 12 | 5 | 42% | 0.16 | 7.6 | 0.52 | 1.8 | 0.908 | 0.58 | 0.307 | 0.554 | 0.909 | 95% KM (t) UCL | |
| Arsenic | mg/kg | 12 | 12 | 100% | N/A | N/A | 8 | 206 | 35.21 | 16.45 | 3,022 | 54.97 | 104.4 | 95% Chebyshev (Mean, Sd) UCL | |

TABLE K3-6

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern - Sediment*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|--------------|-------|---------------------------|----------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|--------------------|----------------------|------------------------|-------------------------------------|------------------|------------------------------|
| | | | | | | | | | | | | | | |
| Barium | mg/kg | 12 | 12 | 100% | N/A | N/A | 29.5 | 174 | 81.04 | 60.35 | 2,353 | 48.51 | 106.2 | 95% Student's-t UCL |
| Beryllium | mg/kg | 11 | 10 | 91% | 0.24 | 0.24 | 0.084 | 0.57 | 0.283 | 0.23 | 0.0324 | 0.18 | 0.368 | 95% KM (t) UCL |
| Cadmium | mg/kg | 12 | 7 | 58% | 0.12 | 0.83 | 0.091 | 3.9 | 1.224 | 0.34 | 2.78 | 1.667 | 3.307 | 97.5% KM (Chebyshev) UCL |
| Cobalt | mg/kg | 11 | 11 | 100% | N/A | N/A | 5.8 | 16 | 10.41 | 8.5 | 13.49 | 3.673 | 12.46 | or 95% Modified-t UCL |
| Copper | mg/kg | 12 | 12 | 100% | N/A | N/A | 20.8 | 423 | 90.13 | 38.45 | 14,551 | 120.6 | 241.9 | 95% Chebyshev (Mean, Sd) UCL |
| Cyanide | mg/kg | 9 | 2 | 22% | 2.7 | 3.9 | 0.05 | 0.18 | 0.115 | 0.115 | 0.00845 | 0.0919 | 0.18 | Max Detect |
| Iron | mg/kg | 12 | 12 | 100% | N/A | N/A | 10,700 | 30,700 | 20,200 | 18,450 | 54,632,727 | 7,391 | 24,032 | 95% Student's-t UCL |
| Lead | mg/kg | 12 | 12 | 100% | N/A | N/A | 5.9 | 361 | 44.37 | 11.4 | 10,132 | 100.7 | 171 | 95% Chebyshev (Mean, Sd) UCL |
| Manganese | mg/kg | 12 | 12 | 100% | N/A | N/A | 227 | 3,020 | 639.9 | 401 | 583,671 | 764 | 1,601 | 95% Chebyshev (Mean, Sd) UCL |
| Mercury | mg/kg | 12 | 5 | 42% | 0.0071 | 0.18 | 0.0065 | 1.2 | 0.343 | 0.11 | 0.254 | 0.504 | 0.347 | 95% KM (t) UCL |
| Nickel | mg/kg | 11 | 11 | 100% | N/A | N/A | 7.6 | 27.2 | 14.78 | 11.7 | 43.54 | 6.598 | 18.39 | 95% Student's-t UCL |
| Nitrate as N | mg/kg | 2 | 1 | 50% | 1.2 | 1.2 | 1 | 1 | 1 | 1 | N/A | N/A | 1 | Max Detect |
| Selenium | mg/kg | 12 | 3 | 25% | 0.52 | 5.8 | 0.2 | 0.42 | 0.323 | 0.35 | 0.0126 | 0.112 | 0.42 | Max Detect |
| Silver | mg/kg | 12 | 3 | 25% | 0.003 | 1.3 | 0.14 | 2.1 | 0.867 | 0.36 | 1.153 | 1.074 | 0.628 | 95% KM (t) UCL |
| Sulfate | mg/kg | 2 | 2 | 100% | N/A | N/A | 11 | 37 | 24 | 24 | 338 | 18.38 | 37 | Max Detect |
| Vanadium | mg/kg | 11 | 11 | 100% | N/A | N/A | 20.3 | 66.2 | 41.06 | 44.9 | 228.5 | 15.12 | 49.33 | 95% Student's-t UCL |
| Zinc | mg/kg | 12 | 12 | 100% | N/A | N/A | 43.5 | 1,060 | 259.7 | 129.5 | 124,444 | 352.8 | 703.6 | 95% Chebyshev (Mean, Sd) UCL |

Notes:

^a When more than one recommended UCL was given the highest was selected as the EPC. If the recommended UCL exceeded the maximum detect, the maximum detect was selected as the EPC

EPC - Exposure Point Concentration

mg/kg - milligram per kilogram

N/A - Not Available

UCL - Upper Confidence Limit

TABLE K3-7

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern in Surface Water (Dissolved and Total Values)*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|-------------------------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-------------------------------|------------------|------------------------------|
| Dissolved Values^b | | | | | | | | | | | | | | |
| AF-01 | | | | | | | | | | | | | | |
| Aluminum | mg/L | 5 | 1 | 20% | 5.40E-04 | 0.0872 | 0.0095 | 0.0095 | 0.0095 | 0.0095 | N/A | N/A | 9.50E-03 | Max Detect |
| Arsenic | mg/L | 5 | 5 | 100% | N/A | N/A | 0.0036 | 0.0058 | 0.0047 | 0.0044 | 9.20E-07 | 9.59E-04 | 0.0058 | Max Detect |
| Barium | mg/L | 5 | 5 | 100% | N/A | N/A | 0.0911 | 0.11 | 0.102 | 0.102 | 4.96E-05 | 0.00705 | 0.11 | Max Detect |
| Cadmium | mg/L | 5 | 1 | 20% | 2.80E-05 | 0.005 | 2.00E-05 | 2.00E-05 | 2.00E-05 | 2.00E-05 | N/A | N/A | 0.00002 | Max Detect |
| Chromium | mg/L | 5 | 4 | 80% | 1.70E-05 | 1.70E-05 | 9.60E-04 | 0.0014 | 0.00124 | 0.0013 | 3.71E-08 | 1.93E-04 | 0.0014 | Max Detect |
| Cobalt | mg/L | 5 | 3 | 60% | 5.70E-06 | 0.05 | 0.0038 | 0.0061 | 0.0046 | 0.0039 | 1.69E-06 | 0.0013 | 0.0061 | Max Detect |
| Copper | mg/L | 5 | 3 | 60% | 3.90E-05 | 0.0015 | 0.0023 | 0.0042 | 0.00313 | 0.0029 | 9.43E-07 | 9.71E-04 | 0.0042 | Max Detect |
| Iron | mg/L | 5 | 3 | 60% | 6.70E-04 | 0.1 | 0.0185 | 0.14 | 0.0648 | 0.0358 | 0.00432 | 0.0657 | 0.14 | Max Detect |
| Manganese | mg/L | 5 | 4 | 80% | 3.20E-04 | 3.20E-04 | 0.0161 | 0.0535 | 0.0342 | 0.0336 | 2.59E-04 | 0.0161 | 0.0535 | Max Detect |
| Nickel | mg/L | 5 | 4 | 80% | 0.04 | 0.04 | 0.003 | 0.005 | 0.00423 | 0.00445 | 7.36E-07 | 8.58E-04 | 0.005 | Max Detect |
| Vanadium | mg/L | 5 | 5 | 100% | N/A | N/A | 0.004 | 0.0093 | 0.00652 | 0.0058 | 6.44E-06 | 0.00254 | 0.0093 | Max Detect |
| Zinc | mg/L | 5 | 5 | 100% | N/A | N/A | 0.0014 | 0.0241 | 0.0105 | 0.0102 | 7.82E-05 | 0.00884 | 0.0241 | Max Detect |
| AF-02 | | | | | | | | | | | | | | |
| Aluminum | mg/L | 18 | 2 | 11% | 5.40E-04 | 0.2 | 0.0147 | 0.0356 | 0.0252 | 0.0252 | 2.18E-04 | 0.0148 | 9.59E-03 | 95% KM (t) UCL |
| Antimony | mg/L | 18 | 5 | 28% | 1.90E-04 | 0.06 | 3.90E-04 | 0.0024 | 0.00186 | 0.0022 | 6.85E-07 | 8.28E-04 | 0.00109 | 95% KM (t) UCL |
| Arsenic | mg/L | 18 | 17 | 94% | 0.015 | 0.015 | 0.0039 | 0.0144 | 0.00555 | 0.005 | 6.38E-06 | 0.00252 | 0.00822 | 95% KM (Chebyshev) UCL |
| Barium | mg/L | 18 | 18 | 100% | N/A | N/A | 0.0737 | 0.155 | 0.102 | 0.1 | 2.64E-04 | 0.0163 | 0.109 | 95% Adjusted Gamma UCL |
| Cadmium | mg/L | 17 | 2 | 12% | 2.60E-05 | 0.005 | 2.00E-05 | 6.10E-05 | 4.05E-05 | 4.05E-05 | 8.41E-10 | 2.90E-05 | 0.000030635 | 95% KM (t) UCL |
| Chromium | mg/L | 18 | 9 | 50% | 1.70E-05 | 1.70E-05 | 2.20E-04 | 0.0015 | 0.00115 | 0.0013 | 1.41E-07 | 3.75E-04 | 0.00085046 | 95% KM (t) UCL |
| Cobalt | mg/L | 18 | 9 | 50% | 5.70E-06 | 5.70E-06 | 7.50E-04 | 0.0074 | 0.00467 | 0.005 | 4.72E-06 | 0.00217 | 0.00353 | 95% KM (t) UCL |
| Copper | mg/L | 18 | 6 | 33% | 3.90E-05 | 0.0019 | 0.0023 | 0.0043 | 0.00323 | 0.00325 | 4.15E-07 | 6.44E-04 | 0.0018 | 95% KM (t) UCL |
| Iron | mg/L | 18 | 7 | 39% | 6.70E-04 | 0.1 | 0.014 | 0.0699 | 0.0331 | 0.0254 | 4.27E-04 | 0.0207 | 0.0245 | 95% KM (t) UCL |
| Lead | mg/L | 18 | 3 | 17% | 2.10E-05 | 0.01 | 3.10E-05 | 1.40E-04 | 7.17E-05 | 4.40E-05 | 3.54E-09 | 5.95E-05 | 0.000054107 | 95% KM (t) UCL |
| Manganese | mg/L | 18 | 11 | 61% | 3.20E-04 | 3.20E-04 | 0.0022 | 3 | 0.29 | 0.0198 | 0.808 | 0.899 | 1.861 | 99% KM (Chebyshev) UCL |
| Mercury | mg/L | 17 | 1 | 6% | 9.10E-05 | 2.00E-04 | 8.10E-05 | 8.10E-05 | 8.10E-05 | 8.10E-05 | N/A | N/A | 0.000081 | Max Detect |
| Nickel | mg/L | 18 | 18 | 100% | N/A | N/A | 0.0019 | 0.0055 | 0.00381 | 0.0035 | 9.99E-07 | 1.00E-03 | 0.00422 | 95% Student's-t UCL |
| Phosphorus, Total As P | mg/L | 4 | 2 | 50% | 0.1 | 0.1 | 0.2 | 0.47 | 0.335 | 0.335 | 0.0365 | 0.191 | 0.469 | 95% KM (t) UCL |
| Selenium | mg/L | 18 | 3 | 17% | 2.50E-04 | 0.035 | 4.00E-04 | 0.0011 | 8.33E-04 | 0.001 | 1.43E-07 | 3.79E-04 | 0.00060558 | 95% KM (t) UCL |
| Vanadium | mg/L | 18 | 18 | 100% | N/A | N/A | 0.0041 | 0.0122 | 0.00696 | 0.00575 | 8.45E-06 | 0.00291 | 0.00818 | or 95% Modified-t UCL |
| Zinc | mg/L | 18 | 18 | 100% | N/A | N/A | 0.001 | 0.0186 | 0.00496 | 0.0026 | 2.34E-05 | 0.00483 | 0.00769 | 95% Adjusted Gamma UCL |
| AF-03 | | | | | | | | | | | | | | |
| Aluminum | mg/L | 13 | 1 | 8% | 5.40E-04 | 0.2 | 0.0502 | 0.0502 | 0.0502 | 0.0502 | N/A | N/A | 5.02E-02 | Max Detect |
| Antimony | mg/L | 13 | 3 | 23% | 4.40E-05 | 0.004 | 6.20E-04 | 0.002 | 0.00119 | 9.40E-04 | 5.22E-07 | 7.22E-04 | 0.0007107 | 95% KM (t) UCL |
| Arsenic | mg/L | 13 | 13 | 100% | N/A | N/A | 0.0035 | 0.0124 | 0.00572 | 0.0046 | 7.14E-06 | 0.00267 | 0.0071 | or 95% Modified-t UCL |
| Barium | mg/L | 13 | 13 | 100% | N/A | N/A | 0.0755 | 0.108 | 0.0913 | 0.0943 | 1.17E-04 | 0.0108 | 0.0966 | 95% Student's-t UCL |
| Cadmium | mg/L | 13 | 8 | 62% | 2.80E-05 | 2.50E-04 | 3.20E-05 | 0.0023 | 5.61E-04 | 8.95E-05 | 8.15E-07 | 9.03E-04 | 0.0023 | Max Detect |
| Chromium | mg/L | 12 | 7 | 58% | 1.70E-05 | 1.70E-05 | 7.90E-04 | 0.0023 | 0.00141 | 0.0012 | 3.16E-07 | 5.62E-04 | 0.00127 | 95% KM (t) UCL |
| Cobalt | mg/L | 13 | 8 | 62% | 5.70E-06 | 5.70E-06 | 0.0012 | 0.0079 | 0.00443 | 0.00465 | 5.93E-06 | 0.00244 | 0.0042 | 95% KM (t) UCL |
| Copper | mg/L | 13 | 9 | 69% | 3.90E-05 | 3.90E-05 | 0.0022 | 0.0523 | 0.0133 | 0.0045 | 3.16E-04 | 0.0178 | 0.0279 | 95% Adjusted Gamma KM-UCL |
| Iron | mg/L | 13 | 4 | 31% | 6.70E-04 | 0.1 | 0.0264 | 0.434 | 0.132 | 0.0337 | 0.0406 | 0.201 | 0.11 | 95% KM (t) UCL |
| Lead | mg/L | 13 | 6 | 46% | 2.10E-05 | 0.001 | 3.40E-05 | 1.50E-04 | 9.95E-05 | 1.02E-04 | 1.77E-09 | 4.21E-05 | 0.000098119 | 95% KM (t) UCL |
| Manganese | mg/L | 13 | 13 | 100% | N/A | N/A | 0.0017 | 1.47 | 0.168 | 0.0246 | 0.16 | 0.4 | 1.271 | 99% Chebyshev (Mean, Sd) UCL |
| Mercury | mg/L | 12 | 1 | 8% | 9.10E-05 | 2.00E-04 | 3.40E-05 | 3.40E-05 | 3.40E-05 | 3.40E-05 | N/A | N/A | 0.000034 | Max Detect |
| Nickel | mg/L | 13 | 13 | 100% | N/A | N/A | 0.0025 | 0.0062 | 0.00409 | 0.0041 | 1.27E-06 | 0.00113 | 0.00465 | 95% Student's-t UCL |
| Phosphorus, Total As P | mg/L | 4 | 2 | 50% | 0.1 | 0.1 | 0.16 | 0.37 | 0.265 | 0.265 | 0.0221 | 0.148 | 0.367 | 95% KM (t) UCL |
| Selenium | mg/L | 13 | 3 | 23% | 2.50E-04 | 0.0019 | 4.40E-04 | 0.0015 | 0.00101 | 0.0011 | 2.87E-07 | 5.35E-04 | 0.00086524 | 95% KM (t) UCL |
| Silver | mg/L | 12 | 1 | 8% | 2.60E-06 | 0.002 | 1.90E-05 | 1.90E-05 | 1.90E-05 | 1.90E-05 | N/A | N/A | 0.000019 | Max Detect |
| Thallium | mg/L | 12 | 1 | 8% | 8.90E-06 | 0.002 | 1.30E-05 | 1.30E-05 | 1.30E-05 | 1.30E-05 | N/A | N/A | 0.000013 | Max Detect |

TABLE K3-7

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern in Surface Water (Dissolved and Total Values)

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

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of Detects | EPC ^a | EPC Basis |
|---------------------------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-------------------------------|------------------|------------------------------|
| | | | | | | | | | | | | | | |
| Vanadium | mg/L | 13 | 13 | 100% | N/A | N/A | 0.0039 | 0.0135 | 0.00718 | 0.0052 | 1.21E-05 | 0.00348 | 0.00946 | or 95% H-UCL |
| Zinc | mg/L | 13 | 13 | 100% | N/A | N/A | 0.0015 | 0.52 | 0.0821 | 0.0111 | 0.0298 | 0.173 | 0.52 | Max Detect |
| Total Values^b | | | | | | | | | | | | | | |
| AF-01 | | | | | | | | | | | | | | |
| Aluminum | mg/L | 5 | 5 | 100% | N/A | N/A | 0.0557 | 1.65 | 0.539 | 0.244 | 0.444 | 0.666 | 1.65E+00 | Max Detect |
| Arsenic | mg/L | 5 | 5 | 100% | N/A | N/A | 0.0024 | 0.0061 | 0.00448 | 0.0042 | 2.19E-06 | 0.00148 | 0.0061 | Max Detect |
| Barium | mg/L | 5 | 5 | 100% | N/A | N/A | 0.104 | 0.113 | 0.107 | 0.105 | 1.53E-05 | 0.00391 | 0.113 | Max Detect |
| Chromium | mg/L | 5 | 4 | 80% | 1.70E-05 | 1.70E-05 | 0.0011 | 0.0031 | 0.00205 | 0.002 | 7.77E-07 | 8.81E-04 | 0.0031 | Max Detect |
| Cobalt | mg/L | 5 | 2 | 40% | 5.70E-06 | 0.05 | 0.0014 | 0.0019 | 0.00165 | 0.00165 | 1.25E-07 | 3.54E-04 | 0.0019 | Max Detect |
| Copper | mg/L | 5 | 3 | 60% | 3.90E-05 | 0.002 | 0.0016 | 0.0068 | 0.00427 | 0.0044 | 6.77E-06 | 0.0026 | 0.0068 | Max Detect |
| Cyanide (Total) | mg/L | 4 | 2 | 50% | 0.01 | 0.01 | 0.0027 | 0.0056 | 0.00415 | 0.00415 | 4.21E-06 | 0.00205 | 0.0056 | Max Detect |
| Fluoride | mg/L | 2 | 2 | 100% | N/A | N/A | 0.14 | 0.21 | 0.175 | 0.175 | 0.00245 | 0.0495 | 0.21 | Max Detect |
| Iron | mg/L | 5 | 4 | 80% | 6.70E-04 | 6.70E-04 | 0.103 | 1.57 | 0.645 | 0.454 | 0.443 | 0.666 | 1.57 | Max Detect |
| Lead | mg/L | 5 | 1 | 20% | 2.10E-05 | 0.01 | 0.0011 | 0.0011 | 0.0011 | 0.0011 | N/A | N/A | 0.0011 | Max Detect |
| Manganese | mg/L | 5 | 5 | 100% | N/A | N/A | 0.0053 | 0.0667 | 0.0388 | 0.0491 | 5.93E-04 | 0.0243 | 0.0667 | Max Detect |
| Nickel | mg/L | 5 | 5 | 100% | N/A | N/A | 0.0016 | 0.0053 | 0.00372 | 0.0041 | 2.29E-06 | 0.00151 | 0.0053 | Max Detect |
| Nitrate As N | mg/L | 3 | 3 | 100% | N/A | N/A | 6.9 | 9.3 | 7.867 | 7.4 | 1.603 | 1.266 | 9.3 | Max Detect |
| Nitrite As N | mg/L | 3 | 1 | 33% | 0.2 | 0.2 | 0.07 | 0.07 | 0.07 | 0.07 | N/A | N/A | 0.07 | Max Detect |
| Total Silica | mg/L | 1 | 1 | 100% | N/A | N/A | 22.6 | 22.6 | 22.6 | 22.6 | N/A | N/A | 22.6 | Max Detect |
| Vanadium | mg/L | 5 | 5 | 100% | N/A | N/A | 0.0046 | 0.012 | 0.00766 | 0.0062 | 1.19E-05 | 0.00346 | 0.012 | Max Detect |
| Zinc | mg/L | 5 | 4 | 80% | 9.80E-04 | 9.80E-04 | 0.0014 | 0.0241 | 0.0131 | 0.0135 | 1.10E-04 | 0.0105 | 0.0241 | Max Detect |
| AF-02 | | | | | | | | | | | | | | |
| Aluminum | mg/L | 18 | 16 | 89% | 5.40E-04 | 5.40E-04 | 0.0212 | 97.2 | 11.33 | 0.245 | 921.8 | 30.36 | 7.78E+01 | 99% KM (Chebyshev) UCL |
| Arsenic | mg/L | 18 | 18 | 100% | N/A | N/A | 0.0038 | 0.0579 | 0.00973 | 0.0047 | 2.05E-04 | 0.0143 | 0.0244 | 95% Chebyshev (Mean, Sd) UCL |
| Barium | mg/L | 18 | 18 | 100% | N/A | N/A | 0.0848 | 1.53 | 0.242 | 0.101 | 0.173 | 0.416 | 0.669 | 95% Chebyshev (Mean, Sd) UCL |
| Beryllium | mg/L | 18 | 4 | 22% | 9.00E-05 | 0.001 | 3.90E-05 | 0.0068 | 0.00325 | 0.00308 | 1.38E-05 | 0.00371 | 0.00171 | 95% KM (t) UCL |
| Cadmium | mg/L | 18 | 3 | 17% | 2.80E-05 | 0.005 | 1.00E-04 | 0.0012 | 8.00E-04 | 0.0011 | 3.70E-07 | 6.08E-04 | 0.00035065 | 95% KM (t) UCL |
| Chromium | mg/L | 18 | 10 | 56% | 1.70E-05 | 1.70E-05 | 0.0018 | 0.23 | 0.0412 | 0.00335 | 0.00671 | 0.0819 | 0.175 | 99% KM (Chebyshev) UCL |
| Cobalt | mg/L | 18 | 8 | 44% | 5.70E-06 | 0.05 | 0.0011 | 0.0434 | 0.0109 | 0.0016 | 3.07E-04 | 0.0175 | 0.0254 | 97.5% KM (Chebyshev) UCL |
| Copper | mg/L | 18 | 10 | 56% | 3.90E-05 | 3.90E-05 | 0.0027 | 0.0997 | 0.0196 | 0.00395 | 0.00119 | 0.0345 | 0.0517 | 97.5% KM (Chebyshev) UCL |
| Cyanide (Total) | mg/L | 8 | 3 | 38% | 0.01 | 0.01 | 0.0022 | 0.0077 | 0.0057 | 0.0072 | 9.25E-06 | 0.00304 | 0.0077 | Max Detect |
| Fluoride | mg/L | 5 | 5 | 100% | N/A | N/A | 0.054 | 0.29 | 0.179 | 0.18 | 0.00802 | 0.0895 | 0.264 | 95% Student's-t UCL |
| Iron | mg/L | 18 | 10 | 56% | 6.70E-04 | 6.70E-04 | 0.168 | 57.4 | 9.555 | 0.43 | 397.2 | 19.93 | 42.07 | 99% KM (Chebyshev) UCL |
| Lead | mg/L | 18 | 3 | 17% | 2.10E-05 | 0.01 | 6.20E-04 | 0.12 | 0.0775 | 0.112 | 0.00445 | 0.0667 | 0.0313 | 95% KM (t) UCL |
| Manganese | mg/L | 18 | 18 | 100% | N/A | N/A | 6.50E-04 | 9.17 | 0.887 | 0.018 | 6.6 | 2.569 | 6.912 | 99% Chebyshev (Mean, Sd) UCL |
| Mercury | mg/L | 18 | 1 | 6% | 2.20E-05 | 2.00E-04 | 4.70E-04 | 4.70E-04 | 4.70E-04 | 4.70E-04 | N/A | N/A | 0.00047 | Max Detect |
| Nickel | mg/L | 18 | 18 | 100% | N/A | N/A | 0.0025 | 0.0692 | 0.0134 | 0.0038 | 3.68E-04 | 0.0192 | 0.0331 | 95% Chebyshev (Mean, Sd) UCL |
| Nitrate As N | mg/L | 2 | 2 | 100% | N/A | N/A | 7 | 7.9 | 7.45 | 7.45 | 0.405 | 0.636 | 7.9 | Max Detect |
| Selenium | mg/L | 18 | 3 | 17% | 2.50E-04 | 0.035 | 0.0011 | 0.0059 | 0.00387 | 0.0046 | 6.16E-06 | 0.00248 | 0.00175 | 95% KM (t) UCL |
| Silver | mg/L | 18 | 1 | 6% | 2.60E-06 | 0.01 | 2.70E-04 | 2.70E-04 | 2.70E-04 | 2.70E-04 | N/A | N/A | 0.00027 | Max Detect |
| Thallium | mg/L | 18 | 2 | 11% | 8.90E-06 | 0.025 | 0.0013 | 0.0014 | 0.00135 | 0.00135 | 5.00E-09 | 7.07E-05 | 0.0004247 | 95% KM (t) UCL |
| Total Silica | mg/L | 4 | 4 | 100% | N/A | N/A | 20.9 | 184 | 93.38 | 84.3 | 6,919 | 83.18 | 184 | Max Detect |
| Vanadium | mg/L | 18 | 18 | 100% | N/A | N/A | 0.0039 | 0.356 | 0.04 | 0.0064 | 0.00947 | 0.0973 | 0.14 | 95% Chebyshev (Mean, Sd) UCL |
| Zinc | mg/L | 18 | 14 | 78% | 9.80E-04 | 9.80E-04 | 9.90E-04 | 0.633 | 0.0634 | 0.008 | 0.0283 | 0.168 | 0.403 | 99% KM (Chebyshev) UCL |
| AF-03 | | | | | | | | | | | | | | |
| Aluminum | mg/L | 14 | 12 | 86% | 5.40E-04 | 5.40E-04 | 0.0285 | 103 | 17.01 | 1.03 | 1,264 | 35.56 | 6.69E+01 | 95% Adjusted Gamma KM-UCL |
| Antimony | mg/L | 12 | 1 | 8% | 2.00E-04 | 0.004 | 0.002 | 0.002 | 0.002 | 0.002 | N/A | N/A | 0.002 | Max Detect |
| Arsenic | mg/L | 14 | 14 | 100% | N/A | N/A | 0.0039 | 0.144 | 0.0214 | 0.00515 | 0.00168 | 0.041 | 0.0691 | 95% Chebyshev (Mean, Sd) UCL |
| Barium | mg/L | 14 | 14 | 100% | N/A | N/A | 0.0829 | 2.24 | 0.395 | 0.104 | 0.5 | 0.707 | 1.219 | 95% Chebyshev (Mean, Sd) UCL |
| Beryllium | mg/L | 14 | 4 | 29% | 9.00E-05 | 0.001 | 4.90E-05 | 0.0083 | 0.0039 | 0.00363 | 1.99E-05 | 0.00446 | 0.00263 | 95% KM (t) UCL |

TABLE K3-7

Summary Statistics and Exposure Point Concentrations for Chemicals of Potential Concern in Surface Water (Dissolved and Total Values)*Iron King Mine – Humboldt Smelter Superfund Site, Dewey-Humboldt, Yavapai County, Arizona*

| Analyte | Units | Number of Observations | Number of Detects | Percent Detected | Minimum Non-detect | Maximum Non-detect | Minimum Detect | Maximum Detect | Mean of Detects | Median of Detects | Variance of Detects | Standard Deviation of | | EPC ^a | EPC Basis |
|-----------------|-------|------------------------|-------------------|------------------|--------------------|--------------------|----------------|----------------|-----------------|-------------------|---------------------|-----------------------|------------|------------------|------------------------------|
| | | | | | | | | | | | | | | | |
| Cadmium | mg/L | 14 | 8 | 57% | 2.80E-05 | 0.001 | 7.80E-05 | 0.0029 | 0.00116 | 7.30E-04 | 1.44E-06 | 0.0012 | 0.00119 | 0.00119 | 95% KM (t) UCL |
| Chromium | mg/L | 14 | 9 | 64% | 1.70E-05 | 0.0019 | 8.20E-04 | 0.238 | 0.0509 | 0.0042 | 0.00875 | 0.0936 | 0.238 | 0.238 | Max Detect |
| Cobalt | mg/L | 14 | 10 | 71% | 5.70E-06 | 5.70E-06 | 7.60E-04 | 0.0675 | 0.015 | 0.0036 | 6.49E-04 | 0.0255 | 0.0675 | 0.0675 | Max Detect |
| Copper | mg/L | 14 | 10 | 71% | 3.90E-05 | 3.90E-05 | 0.0046 | 0.267 | 0.0713 | 0.0207 | 0.00794 | 0.0891 | 0.147 | 0.147 | 95% KM (Chebyshev) UCL |
| Cyanide (Total) | mg/L | 8 | 3 | 38% | 0.01 | 0.01 | 0.0031 | 0.0083 | 0.00653 | 0.0082 | 8.84E-06 | 0.00297 | 0.0083 | 0.0083 | Max Detect |
| Fluoride | mg/L | 5 | 5 | 100% | N/A | N/A | 0.15 | 0.33 | 0.234 | 0.19 | 0.00713 | 0.0844 | 0.315 | 0.315 | 95% Student's-t UCL |
| Iron | mg/L | 14 | 10 | 71% | 6.70E-04 | 6.70E-04 | 0.0702 | 60 | 13.12 | 1.525 | 521.5 | 22.84 | 38.17 | 38.17 | 95% GROS Adjusted Gamma UCL |
| Lead | mg/L | 14 | 9 | 64% | 2.10E-05 | 0.001 | 2.10E-04 | 0.28 | 0.0526 | 0.0044 | 0.0104 | 0.102 | 0.263 | 0.263 | 99% KM (Chebyshev) UCL |
| Manganese | mg/L | 14 | 14 | 100% | N/A | N/A | 0.0013 | 22.1 | 2.42 | 0.0516 | 39.92 | 6.318 | 19.22 | 19.22 | 99% Chebyshev (Mean, Sd) UCL |
| Mercury | mg/L | 14 | 4 | 29% | 9.10E-05 | 2.00E-04 | 7.20E-05 | 0.002 | 7.41E-04 | 4.45E-04 | 8.02E-07 | 8.96E-04 | 0.00054695 | 0.00054695 | 95% KM (t) UCL |
| Nickel | mg/L | 14 | 14 | 100% | N/A | N/A | 0.0026 | 0.0844 | 0.0168 | 0.0053 | 6.74E-04 | 0.026 | 0.047 | 0.047 | 95% Chebyshev (Mean, Sd) UCL |
| Nitrate As N | mg/L | 2 | 2 | 100% | N/A | N/A | 6.5 | 9.4 | 7.95 | 7.95 | 4.205 | 2.051 | 9.4 | 9.4 | Max Detect |
| Nitrite As N | mg/L | 2 | 1 | 50% | 0.5 | 0.5 | 0.06 | 0.06 | 0.06 | 0.06 | N/A | N/A | 0.06 | 0.06 | Max Detect |
| Selenium | mg/L | 14 | 3 | 21% | 2.50E-04 | 0.005 | 0.0015 | 0.0072 | 0.00467 | 0.0053 | 8.42E-06 | 0.0029 | 0.00244 | 0.00244 | 95% KM (t) UCL |
| Silver | mg/L | 14 | 2 | 14% | 2.60E-06 | 0.002 | 6.50E-04 | 0.0014 | 0.00103 | 0.00103 | 2.81E-07 | 5.30E-04 | 0.00050775 | 0.00050775 | 95% KM (t) UCL |
| Thallium | mg/L | 14 | 3 | 21% | 8.90E-06 | 0.002 | 8.80E-06 | 0.002 | 0.00117 | 0.0015 | 1.07E-06 | 0.00104 | 0.00063398 | 0.00063398 | 95% KM (t) UCL |
| Total Silica | mg/L | 4 | 4 | 100% | N/A | N/A | 22.5 | 215 | 101.8 | 84.9 | 9,047 | 95.11 | 213.7 | 213.7 | 95% Student's-t UCL |
| Vanadium | mg/L | 14 | 14 | 100% | N/A | N/A | 0.0037 | 0.426 | 0.065 | 0.00645 | 0.0203 | 0.142 | 0.426 | 0.426 | Max Detect |
| Zinc | mg/L | 14 | 14 | 100% | N/A | N/A | 0.0015 | 1.34 | 0.247 | 0.0443 | 0.156 | 0.395 | 0.719 | 0.719 | 95% Adjusted Gamma UCL |

Notes:

^a When more than one recommended UCL was given the highest was selected as the EPC. If the recommended UCL exceeded the maximum detect, the maximum detect was selected as the EPC^b The maximum of the total and dissolved EPC was used in the human health risk calculations

EPC - Exposure Point Concentration

mg/L - milligram per liter

N/A - Not Available

UCL - Upper Confidence Limit

K4. ProUCL Output Files
(provided in Excel)

K5. Risk Calculation Sheets
(provided in Excel)