SWMU 6 -- Raw Materials Area

Table of Contents

List of Tables

List of Figures

List of Appendices

5.5.6 SWMU 6 – Raw Materials Area

The location of SWMU (Solid Waste Management Unit) 6 is shown on Figure 5.5.6-1a and SWMU 6 monitoring stations and sample locations are provided on Figure 5.5.6-1b. The Raw Materials Area is the former location of large outdoor stockpiles of phosphate ore, coke, silica, kiln nodules, and coal that were used in the production process. Waste oil from the maintenance shop was periodically spread on the phosphate ore, which was subsequently processed in the kilns and furnaces. The raw materials area covers approximately 33 acres (*see* Figures 5.5.6-1a and 5.5.61b), and is located north and east of the elemental phosphorus production area. The material stockpiles are no longer present, but raw material residuals remain at the surface or are mixed with the surface soil.

The objectives of the RFI (RCRA Facility Investigation) work plan for SWMU 6 were: 1) to evaluate potential soil impacts related to the storage of phosphate ore, coke, silica, kiln nodules, coal/coke and ferrophosphorus in the area, and 2) to evaluate the vertical extent of hazardous constituents at the raw materials area.

5.5.6.1 RFI Activities

5.5.6.1.1 2006 Investigation

In the fall of 2006 (Barr 2006) surface soil samples were collected from the raw materials area. The location of each sample is shown on Figure 5.5.6-1b. At that time, the Raw Materials Area was divided into seven areas each approximately 400 feet by 400 feet and an additional triangular area at the north end. Six discrete locations were sampled in each grid area. Soil samples were collected from the 0- to 2-inch and 2- to 12-inch depth interval (total of 96 samples). These soil samples were analyzed for metals using an XRF (x-ray fluorescent) instrument. Both samples from one location in each grid area were also analyzed for metals, SVOCs (semi-volatile organic compounds), general chemical analytes and radionuclides at an analytical laboratory for confirmation of the XRF data.

5.5.6.1.2 2009 Investigation

The expanded area of the Raw Materials Area (SWMU 6), shown as grids 9 and 10 on Figure 5.5.6-1b, was investigated in 2009 using the same program implemented in Fall 2006 (Barr 2009). Six discrete locations were sampled in the identified areas from the 0- to 2-inch and 2- to 12-inch depth interval. Soil samples were analyzed for metals according to the XRF screening and confirmatory analytical protocols. Both sample intervals from one location in each area were randomly selected for laboratory analysis of metals, SVOCs, general chemical analytes and radionuclides.

A subsurface investigation was conducted to evaluate the vertical extent of hazardous constituents at the Raw Materials Area. A test pit was excavated to a depth of about 5 feet into native soil at the

locations where the analytical soil samples were collected during Fall 2006 and soil samples were collected from the 2- to 3-feet and 4- to 5-feet depth interval into the native soil. The test pit logs are provided in Appendix 5.5.6-A. The test pits were excavated using a rubber tire backhoe and the soil samples were collected directly from the backhoe bucket. Soil samples were analyzed according to the XRF screening and confirmatory analytical protocols. These samples were also analyzed for radionuclides and SVOCs.

The Raw Materials Area was inspected for areas that lack vegetation, areas receiving overland surface water flow or other drainage areas, and areas where there are discontinuities with the surrounding soil. Since the majority of the Raw Materials Area lacks vegetation, the inspection primarily focused on areas of overland flow and drainage. Two test pits (RM-3-7 and RM-3-8) in Raw Materials Area 3 and one test pit (RM-4-7) in Raw Materials Area 4 were excavated in areas that appeared to receive overland flow (small gullies were present). Laboratory samples were collected from the 0- to 1-footbelow ground surface (bgs) interval of native soil and analyzed for metals and radionuclides. These samples were also analyzed for metals according to the XRF screening and confirmatory analytical protocols. The locations of these test pits are shown on Figure 5.5.6-1b.

Soil samples were recollected from twelve locations in the raw materials area reported to have one or more XRF metal concentration above the respective threshold level established by the 2006 XRF Pilot Program. These samples were analyzed for the specific metal that exceeded the respective XRF threshold level.

Any sample analyzed for chromium was also analyzed for chromium VI to evaluate appropriate screening level for this constituent. These samples were also analyzed for vanadium because high concentrations of vanadium may interfere with the XRF quantitation of chromium.

5.5.6.2 Investigation Results

This section discusses results of the investigations conducted in the Raw Materials Area. The SWMU sample data and background values (i.e., mean, maximum and 95% upper confidence limit of the mean) are summarized in Tables 5.5.6-1 through 5.5.6-5. A total of 176 samples (including duplicates) were collected from a total of 69 locations in 10 discrete areas in the Raw Materials Area (Figure 5.5.6-1b). Generally, surface soil samples were collected between 0-2 inches and 2-12 inches, and deeper soil samples were collected at various intervals below approximately 2 feet. The data presentation figures 5.5.6-2 through 5.5.6-87, show the locations, concentrations and depth

intervals for the data reported on the figures. The location of a conceptual cross section through the raw materials area is shown on Figure 5.5.6-88 and the conceptual cross section is depicted on Figure 5.5.6-89. The conceptual cross section is based on the test pits installed in the SWMU. Cross section Figures 5.5.6-90 to 5.5.6-95 present the vertical distribution of select parameters within the SWMU.

Soil data from SWMU 6 were compared to the background/reference area concentrations. Concentrations above the 95% upper confidence limit of the mean background/reference area concentrations are highlighted on the constituent delineation figures presented in this section. Where a 95% upper limit could not be calculated, the maximum detected concentration or the maximum detection limit was selected.

Constituent concentrations are described in this report as above background/reference area concentrations if the mean and maximum concentrations of the SWMU data exceed both of the mean and maximum background/reference area values. All data will be retained for evaluation in the human health and ecological risk assessments. The definitive background comparison will be conducted in the risk assessment using a statistical approach consistent with EPA guidance (U.S. EPA 2002).

5.5.6.2.1 Metals

The analytical laboratory and correlated XRF data were combined to assist the delineation of the hazardous constituents. Hazardous constituent concentrations based on the XRF data were estimated using the linear equations presented in Section 5.4 for the respective metals. The correlation coefficient (R^2) is greater than 0.7 for these metals. The metals data are presented in Table 5.5.6-2. The 2006 XRF evaluations provided correlated data for arsenic, cadmium, chromium, copper, iron, lead, nickel, and zinc. The 2009 XRF evaluation provided data for arsenic, cadmium, chromium, lead, manganese, selenium, silver, uranium, vanadium and zinc.

5.5.6.2.1.1 Metals - Group A

The metals included in Group A are arsenic, cadmium, chromium and copper. The distribution of each metal in the 0 to 2-inch; the 2 to 12-inch; and below the approximately 2-foot depth intervals are shown on Figures 5.5.6-2 through 5.5.6-13.

These metals are naturally present in native soils across the United States. The arsenic concentrations for SWMU 6 are consistent with the background/reference area concentrations. Cadmium, chromium and copper are present at concentrations above the background/reference area

concentrations. The elevated concentrations are distributed across the entire SWMU and are associated with the samples collected from the surface intervals (0-2 inch and 2-12 inch intervals). The higher chromium and copper concentrations are associated with the samples from RM-8. RM-8 is located at the north end of the Raw Materials Area and is where ferrophosphorus was stockpiled.

Cadmium and chromium concentrations with depth are depicted on Figures 5.5.6-5 through 5.5.6-7 and Figures 5.5.6-8 through 5.5.6-10, respectively. These parameters are also depicted in cross section on Figures 5.5.6-90 and 5.5.6-91. The samples from the deeper intervals at each location have lower concentrations that are consistent with background/reference area concentrations. Therefore, the native soils below the raw materials do not have elevated cadmium and chromium concentrations.

5.5.6.2.1.2 Metals - Group B

The metals included in Group B are iron, lead, manganese and nickel. The distribution of each metal in the 0 to 2-inch; the 2 to 12-inch; and below the approximately 2-foot depth intervals are shown on Figures 5.5.6-14 through 5.5.6-25.

These metals are naturally present in native soils across the United States. The iron and manganese concentrations for SWMU 6 are consistent with the background/reference area concentrations. Lead and nickel are present at concentrations above the background/reference area concentrations. The elevated nickel and lead concentrations are distributed across the entire SWMU and are associated with the samples collected from the surface intervals (0-2 inch and 2-12 inch intervals). Lead and nickel concentrations are lower in the samples collected from the deeper intervals (*see* Figure 5.5.6-19 and Figure 5.5.6-25). Sample RM-8-3 (2-12 inch) had the highest nickel and lead concentrations. This sample was collected from the area where ferrophosphorus was stockpiled.

5.5.6.2.1.3 Metals - Group C

The metals included in Group C are selenium, silver, uranium, vanadium and zinc. The distribution of these metal constituents in the 0 to 2-inch; the 2 to 12-inch; and below 2 feet below ground surface are shown on Figures 5.5.6-26 through 5.5.6-40.

These metals are naturally present in native soils across the United States. The group C metals are present at concentrations above the background/reference area concentrations. The elevated concentrations are distributed across the entire SWMU and are associated with the samples collected from the surface intervals (0-2 inch and 2-12 inch intervals).

Selenium and silver were not detected in the deeper interval samples as shown on Figure 5.5.6-28 and 5.5.6-31, respectively.

Uranium and vanadium concentrations with depth are depicted on Figures 5.5.6-32 through 5.5.6-34 and Figures 5.5.6-35 through 5.5.6-37, respectively. These parameters are also depicted in cross section on Figures 5.5.6-92 and 5.5.6-93. The samples from the deeper intervals at each location have lower concentrations that are consistent with background/reference area concentrations. Therefore, the native soils below the raw materials do not have elevated Group C metals concentrations.

5.5.6.2.1.4 Metals - Group D

The metals included in Group D are barium, beryllium, cobalt, mercury and thallium. The distribution of these metal constituents in the 0 to 2-inch and the 2 to 12-inch intervals are shown on Figures 5.5.6-41 through 5.5.6-55.

These metals are naturally present in native soils across the United States. The barium and cobalt concentrations for SWMU 6 are consistent with the background/reference area concentrations. Detection limits for beryllium and thallium were higher than the respective background/reference concentrations, so it cannot be determined if these parameters are above or below background. Concentrations for these metals were detected above the maximum background concentration. Mercury is present at concentrations above the background/reference area concentrations. The elevated concentrations are associated with the samples collected from the surface intervals (0-2 inch and 2-12 inch intervals) and the samples from the deeper interval have lower concentrations that are consistent with background/reference area concentrations.

5.5.6.2.1.5 Metals - Group E

The metals included in Group E are antimony, calcium, magnesium, potassium, and sodium. The distribution of these metal constituents in the 0 to 2-inch, the 2 to 12-inch and the deeper than 2 feet intervals is shown on Figures 5.5.6-56 through 5.5.6-70.

Antimony is present at concentrations above the background/reference area concentrations.

Calcium, magnesium, potassium and sodium are present at concentrations above the background/reference area concentrations. These parameters are not hazardous constituents but were analyzed to fully characterize the soils.

5.5.6.2.1.6 Metals Delineation

The following metals were identified as above background based on comparison to the background/reference area values: antimony, cadmium, chromium, copper, lead, nickel, selenium, silver, uranium, vanadium, zinc, mercury, calcium, potassium, and sodium. The elevated concentrations are associated with the samples collected from the surface intervals (0-2 inch and 2-12 inch intervals). The samples from the deeper intervals at each location have lower concentrations that are consistent with background/reference area concentrations.

5.5.6.2.2 SVOCs

The SVOC data are presented in Table 5.5.6-3. The majority of SVOCs detected in the SWMU 6 samples belong to a subgroup of SVOCs known as polynuclear aromatic hydrocarbons (PAHs). These multi-benzene-ringed compounds are naturally present in coke, and are also produced during the coking process. EPA has identified seven PAH constituents as potentially carcinogenic to humans. These potential carcinogens are identified as cPAHs. The other PAH compounds below are considered by the EPA as not cancer-causing constituents and are identified as nPAHs.

Although PAHs are ubiquitous in the environment (e.g. from forest fires), Montana has not published background concentrations. For the purposes of this SWMU evaluation, background is considered below detection limits. Accordingly, the PAHs detected in the SWMU samples are considered above background.

5.5.6.2.2.1 cPAHs Group A

The cPAHs included in Group A are benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluroanthene and benzo(k)fluoranthene. The distribution of these cPAHs in the 0 to 2-inch, the 2 to 12-inch and the deeper than 2 feet intervals are shown on Figures 5.5.6-71 through 5.5.6-73. These cPAHs were detected in one or more samples from the SWMU.

These cPAHs were detected in samples collected from the north end (RM-7, RM-8, RM-9 and RM-10) and the south end (RM-1 and RM-2). These cPAHs were not detected in samples from the central area of the SWMU (RM-3, RM-4 and RM-5). In addition, these cPAHs were not detected in the native soil samples beneath the shallow cPAH impacted layer (*see* Figure 5.5.6-73).

5.5.6.2.2.2 cPAHs Group B

The cPAHs included in Group B are chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. The distribution of these cPAHs in the 0 to 2-inch, the 2 to 12-inch and the deeper than 2 feet

intervals are shown on Figures 5.5.6-74 through 5.5.6-76. These cPAHs were detected in one or more samples from the SWMU.

These cPAHs were detected in samples collected from the north end (RM-7, RM-8, RM-9 and RM-10) and the south end (RM-1 and RM-2). These cPAHs were not detected in samples from the central area of the SWMU (RM-3, RM-4 and RM-5). In addition, these cPAHs were not detected in the native soil samples beneath the shallow cPAH impacted layer (*see* Figure 5.5.6-76).

5.5.6.2.2.3 nPAHs Group A

The nPAHs included in Group A are acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, and fluoranthene. The distribution of these nPAHs in the 0 to 2-inch, the 2 to 12-inch and the deeper than 2 feet intervals are shown on Figures 5.5.6-77 through 5.5.6-79. These nPAHs were detected in one or more samples from the SWMU.

These nPAHs were detected in samples collected from the north end (RM-7, RM-8, RM-9 and RM-10) and the south end (RM-1 and RM-2). These nPAHs were not detected in samples from the central area of the SWMU (RM-3, RM-4 and RM-5). In addition, these nPAHs were not detected in the native soil samples beneath the shallow nPAH impacted layer with the exception of fluoranthene in the 2-3 feet sample from RM-5-2. Fluoranthene was not detected in the sample below this interval (*see* Figure 5.5.6-79).

5.5.6.2.2.4 nPAHs Group B

The nPAHs included in Group B are 1-methylnaphthalene, 2-methylnaphthalene, carbazole, fluorene, naphthalene, phenanthrene, and pyrene. The distribution of these nPAHs in the 0 to 2-inch, the 2 to 12-inch and the deeper than 2 feet intervals are shown on Figures 5.5.6-80 through 5.5.6-82. These nPAHs were detected in one or more samples from the SWMU.

These nPAHs were detected in samples collected from the north end (RM-7, RM-8, RM-9 and RM-10) and the south end (RM-1 and RM-2). These nPAHs were not detected in samples from the central area of the SWMU (RM-3, RM-4 and RM-5). In addition, these nPAHs were not detected in the native soil samples beneath the shallow nPAH impacted layer with the exception of phenathrene and pyrene in the 2-3 feet sample from RM-5-2. These nPAHs were not detected in the sample below this interval (*see* Figure 5.5.6-82).

5.5.6.2.2.5 PAH Delineation

PAH compounds were detected in samples collected from the north end (RM-7, RM-8, RM-9 and RM-10) and the south end (RM-1 and RM-2) of the Raw Materials Area. These PAH compounds

were not detected in samples from the central area of the SWMU (RM-3, RM-4 and RM-5). In addition, these PAHs were generally not detected in the native soil samples beneath the shallow PAH impacted layer. The PAH impacted soil is limited to the 0 to 2 foot depth across most of the SWMU 6.

5.5.6.2.3 VOCs

Samples collected from the 0-2 inch and 2-12 inch depth intervals at RM-5-2 were analyzed for VOCs (*see* Table 5.5.6-4). VOCs were not detected in these samples.

5.5.6.2.4 Radionuclides

Naturally-occurring radioactive materials (NORM) consisting of U-238 and its decay chain constituents are present in the phosphate ore residuals that remain in SWMU 6 and are also present in slag. The radionuclide data are presented in Table 5.5.6-5. The distribution of radionuclides in the 0 to 2-inch; the 2 to 12-inch; and below the approximately 2-foot depth intervals are shown on Figure 5.5.6-83 through 5.5.6-85.

The elevated radionuclide concentrations are associated with the samples collected from the surface intervals (0-2 inch and 2-12 inch intervals) and most locations across the SWMU. Elevated radionuclides were not found in samples from RM-6 or in samples collected in the native soil samples beneath the shallow radionuclide impacted layer (*see* Figure 5.5.6-85).

5.5.6.2.5 Elemental Phosphorus and Fluoride

Elemental phosphorus and fluoride data for samples collected from the raw materials area are summarized in Table 5.5.6-1. Elemental phosphorus was not detected in either sample form the raw materials area.

Since fluoride was present in the phosphate ore, fluoride concentrations are above background levels in samples collected from across the site (*see* Figure 5.5.6-86 and 5.5.6-87).

5.5.6.3 Conclusions

The raw materials area has been sampled and analyzed for metals, SVOCs, VOCs, radionuclides elemental phosphorus and fluoride. Several metals, PAH compounds, radionuclides and fluoride are present at concentrations above background concentrations. The vertical delineation investigations demonstrate that the concentrations above background are generally limited to zone that contains the raw materials or slag interval. The horizontal extent of this SWMU is defined by the physical boundaries of the existing railroad tracks or other SWMUs surrounding the raw materials area.

There is sufficient information to conduct the risk assessment for this SWMU. The surface and shallow subsurface soils across this SWMU have been characterized for hazardous constituents. The risk assessment will identify which parameters, if any, are present at concentrations that warrant corrective measures. The dataset would be reviewed at that time and additional sampling may be necessary to inform the corrective measures study or later during the corrective measures design phase.

5.5.6.4 References

Barr Engineering Co. 2006. Current Conditions/Release Assessment Report Corrective Action Order on Consent Docket No. RCRA-08-2004-0001., Rhodia Silver Bow Plant, Butte, Montana, February 2006.

Barr 2009. Final Phase 1 RCRA Facility Investigation Work Plan, Corrective Action Order on Consent, Docket No. RCRA-08-2004-0001 Rhodia Silver Bow Plant Butte, Montana March 25, 2009.

U.S. EPA. 2002. Guidance for Comparing Background and Chemical Concentrations in Soil for CERCLA Sites. U.S. Environmental Protection Agency. EPA 540-R-01-003. OSWER 9285.7-41. September 2002.

Tables

Table 5.5.6-1
Soil Data - General and Site-Specific Parameters
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

			Chemical Name	Fluoride	Phosphorus, elemental (white)	Phosphorus, Total
			Background Mean, Exceedances **Bold**	**4.1**		
			Background Maximum, Exceedances Underline	37		
			Background 95% UCL, Exceedances *Italic*	*7.6*		
Location ID	**Sample Date**	**Depth**	**Sample Type**			
RM-1-2	9/12/2006	0 - 2 in	N	***5800***	--	57700 J
RM-1-2	9/12/2006	2 - 12 in	N	***14000***	--	57100 J
RM-2-3	9/12/2006	0 - 2 in	N	***9800***	--	27500 J
RM-2-3	9/12/2006	2 - 12 in	N	***11000***	--	11000 J
RM-2-7	6/2/2009	0 - 2 in	N	***28.7***	--	70700
RM-2-7	6/2/2009	2 - 12 in	N	***38.2***	--	88600
RM-3-3	9/12/2006	0 - 2 in	N	***8200***	--	39100 J
RM-3-3	9/12/2006	2 - 12 in	N	***10000***	--	32100 J
RM-4-1	9/12/2006	0 - 2 in	N	***5800***	--	97900 J
RM-4-1	9/12/2006	2 - 12 in	N	***15000***	--	104000 J
RM-5-2	9/12/2006	0 - 2 in	N	***10000***	--	101000 J
			FD	***11000***	--	97400 J
RM-5-2	9/12/2006	2 - 12 in	N	***4800 J***	--	97700 J
			FD	***13000 J***	--	102000 J
RM-6-1	9/13/2006	0 - 2 in	N	***880***	< 0.0000499 J	537 J
RM-6-1	9/13/2006	2 - 12 in	N	***970***	< 0.0000499 J	438 J
RM-7-2	9/13/2006	0 - 2 in	N	***5100***	--	83400 J
RM-7-2	9/13/2006	2 - 12 in	N	***4200***	--	60400 J
RM-8-3	9/13/2006	0 - 2 in	N	***6600***	< 0.0000499 J	54700 J
RM-8-3	9/13/2006	2 - 12 in	N	***5500***	< 0.0000499 J	35500 J
RM-8-7	6/2/2009	0 - 2 in	N	***10.3 R***	--	29700
RM-8-7	6/2/2009	2 - 12 in	N	***26.6***	--	94900
RM-9-1	5/19/2009	0 - 2 in	N	***16.1***	--	104000
			FD	***18.0***	--	116000
RM-9-1	5/19/2009	2 - 12 in	N	***14.9***	--	131000
RM-10-5	5/19/2009	0 - 2 in	N	***26.4***	--	25400
RM-10-5	5/19/2009	2 - 12 in	N	***25.0***	--	26400

Table 5.5.6-2
Soil Data - Metals
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name / Analysis Location				Antimony Lab	Arsenic Lab	Arsenic Field	Barium Lab	Beryllium Lab	Cadmium Lab	Cadmium Field	Calcium Lab	Chromium Lab	Chromium Field	Chromium, hexavalent Lab	Cobalt Lab	Copper Lab	Copper Field	Iron Lab	Iron Field	Lead Lab	Lead Field	Magnesium Lab	Manganese Lab
Background Mean, Exceedances **Bold**				**0.50**	**23**	**23**	**150**	**0.51**	**1.6**	**1.6**	**3900**	**11**	**11**		**5.9**	**35**	**35**	**19600**	**19600**	**17**	**17**	**3500**	540
Background Maximum, Exceedances Underline				3.9	120	120	290	1.3	8.9	8.9	14000	48	48		9.5	300	300	35300	35300	190	190	5700	1100
Background 95% UCL, Exceedances *Italic*				*1.0*	*40*	*40*	*170*	*0.546*	*1.057*	*1.057*	*4500*	*12.46*	*12.46*		*6.145*	*63.87*	*63.87*	*20600*	*20600*	*34.98*	*34.98*	*3700*	570
Location ID	**Sample Date**	**Depth**	**Sample Type**																				
RM-1-1	09/14/2006	0 - 2 in	N	--	--	< 3	--	--	--	***49 J***	--	--	***320 J***	--	--	--	**41 J**	--	7000	--	1 J	--	--
RM-1-1	09/14/2006	2 - 12 in	N	--	--	< 7	--	--	--	***59 J***	--	--	***350 J***	--	--	--	**60 J**	--	6800	--	9 J	--	--
RM-1-2	09/12/2006	0 - 2 in	N	--	5 J	< 8.3	48 J	< 2 J	***15.8 J***	***55 J***	***139000 J***	***183 J***	***330 J***	--	< 2 J	**44 J**	***100 J***	5050 J	7300	***41 J***	***50 J***	1550 J	132 J
RM-1-2	09/12/2006	2 - 12 in	N	--	13 J	< 8.3	98 J	< 2 J	***74.1 J***	***65 J***	***145000 J***	***495 J***	***400 J***	--	3 J	***77 J***	***65 J***	9440 J	8200	10 J	4 J	2870 J	280 J
RM-1-2	05/13/2009	2 - 3 ft	N	--	--	10 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	5 J	--	--
RM-1-2	05/13/2009	4 - 5 ft	N	--	--	11 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	8 J	--	--
RM-1-3	09/13/2006	0 - 2 in	N	--	--	< 8.3	--	--	--	***47 J***	--	--	***310 J***	--	--	--	**42 J**	--	6500	--	< 1	--	--
RM-1-3	09/13/2006	2 - 12 in	N	--	--	< 7.6	--	--	--	***53 J***	--	--	***320 J***	--	--	--	**45 J**	--	6900	--	< 1	--	--
RM-1-4	09/13/2006	0 - 2 in	N	--	--	< 8.9	--	--	--	***48 J***	--	--	***310 J***	--	--	--	**43 J**	--	7300	--	< 1	--	--
RM-1-4	09/13/2006	2 - 12 in	N	--	--	< 6.3	--	--	--	***57 J***	--	--	***340 J***	--	--	--	**61 J**	--	7300	--	9 J	--	--
RM-1-5	09/13/2006	0 - 2 in	N	--	--	< 9.6	--	--	--	***76 J***	--	--	***410 J***	--	--	--	***84 J***	--	6500	--	11 J	--	--
RM-1-5	09/13/2006	2 - 12 in	N	--	--	< 10	--	--	--	***70 J***	--	--	***400 J***	--	--	--	***78 J***	--	6000	--	15 J	--	--
RM-1-6	09/13/2006	0 - 2 in	N	--	--	< 10	--	--	--	***61 J***	--	--	***340 J***	--	--	--	***70 J***	--	9100	--	***50 J***	--	--
RM-1-6	09/13/2006	2 - 12 in	N	--	--	< 8.3	--	--	--	***61 J***	--	--	***350 J***	--	--	--	**56 J**	--	8200	--	17 J	--	--
RM-2-1	09/13/2006	0 - 2 in	N	--	--	< 10	--	--	--	***64 J***	--	--	***370 J***	--	--	--	***83 J***	--	7300	--	***36 J***	--	--
RM-2-1	09/13/2006	2 - 12 in	N	--	--	< 8.9	--	--	--	***67 J***	--	--	***370 J***	--	--	--	**58 J**	--	5600	--	13 J	--	--
RM-2-2	09/13/2006	0 - 2 in	N	--	--	< 8.9	--	--	--	***110 J***	--	--	***410 J***	--	--	--	***83 J***	--	6300	--	< 4	--	--
RM-2-2	09/13/2006	2 - 12 in	N	--	--	< 9.6	--	--	--	***80 J***	--	--	***410 J***	--	--	--	***78 J***	--	7300	--	15 J	--	--
RM-2-3	09/12/2006	0 - 2 in	N	--	8 J	< 10	**163 J**	< 2 J	***15.6 J***	***65 J***	***230000 J***	***263 J***	***370 J***	--	< 2 J	**41 J**	***69 J***	4120 J	6600	11 J	**19 J**	***5480 J***	126 J
RM-2-3	09/12/2006	2 - 12 in	N	--	11 J	< 8.9	***229 J***	< 2 J	***5.6 J***	***65 J***	***223000 J***	***126 J***	***380 J***	--	< 2 J	24 J	**58 J**	2930 J	6500	9 J	5 J	***4630 J***	102 J
RM-2-4	09/13/2006	0 - 2 in	N	--	--	< 8.3	--	--	--	***65 J***	--	--	***370 J***	--	--	--	**63 J**	--	6900	--	7 J	--	--
RM-2-4	09/13/2006	2 - 12 in	N	--	--	< 8.9	--	--	--	***67 J***	--	--	***380 J***	--	--	--	**60 J**	--	6900	--	< 5	--	--
RM-2-5	09/13/2006	0 - 2 in	N	--	--	< 10	--	--	--	***69 J***	--	--	***380 J***	--	--	--	***67 J***	--	6200	--	16 J	--	--
RM-2-5	09/13/2006	2 - 12 in	N	--	--	< 9.6	--	--	--	***68 J***	--	--	***390 J***	--	--	--	***72 J***	--	6000	--	13 J	--	--
RM-2-6	09/13/2006	0 - 2 in	N	--	--	< 9.6	--	--	--	***98 J***	--	--	***410 J***	--	--	--	***84 J***	--	6200	--	16 J	--	--
RM-2-6	09/13/2006	2 - 12 in	N	--	--	< 11	--	--	--	***71 J***	--	--	***380 J***	--	--	--	**60 J**	--	7600	--	5 J	--	--
RM-2-7	05/13/2009	2 - 3 ft	N	--	--	12 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	13 J	--	--
RM-2-7	05/13/2009	4 - 5 ft	N	--	--	13 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	9 J	--	--
RM-2-7	06/02/2009	0 - 2 in	N	***4.550***	8.1	--	103	***1.20***	***41.7***	--	***190000***	***264***	--	--	1.9 J	**60.7**	--	6810	--	**19.6 J**	--	2920	124
RM-2-7	06/02/2009	2 - 12 in	N	***5.070***	8.2	--	133	***1.37***	***49.2***	--	***222000***	***353***	--	--	2.0 J	***70.2***	--	7550	--	**20.7 J**	--	2960	127
RM-3-1	09/13/2006	0 - 2 in	N	--	--	< 7.6	--	--	--	***55 J***	--	--	***340 J***	--	--	--	**54 J**	--	6600	--	< 1	--	--
RM-3-1	09/13/2006	2 - 12 in	N	--	--	< 4.3	--	--	--	***56 J***	--	--	***340 J***	--	--	--	**48 J**	--	6300	--	< 1	--	--
RM-3-2	09/13/2006	0 - 2 in	N	--	--	< 8.9	--	--	--	***65 J***	--	--	***370 J***	--	--	--	**62 J**	--	6400	--	12 J	--	--
RM-3-2	09/13/2006	2 - 12 in	N	--	--	< 8.9	--	--	--	***63 J***	--	--	***340 J***	--	--	--	**54 J**	--	8500	--	< 2	--	--
RM-3-3	09/12/2006	0 - 2 in	N	--	7 J	< 8.9	93 J	< 2 J	***43.8 J***	***63 J***	***195000 J***	***217 J***	***360 J***	--	< 2 J	**36 J**	***68 J***	3680 J	6200	14 J	**24 J**	3080 J	63 J
RM-3-3	09/12/2006	2 - 12 in	N	--	8 J	< 8.9	102 J	< 2 J	***46.6 J***	***63 J***	***194000 J***	***294 J***	***370 J***	--	< 2 J	***68 J***	**54 J**	5090 J	6000	13 J	**34 J**	2990 J	74 J
RM-3-3	05/13/2009	3 - 4 ft	N	--	--	14 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	12 J	--	--
RM-3-3	05/13/2009	5 - 6 ft	N	--	--	< 12	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	13 J	--	--
RM-3-4	09/13/2006	0 - 2 in	N	--	--	< 7	--	--	--	***61 J***	--	--	***360 J***	--	--	--	***70 J***	--	6200	--	2 J	--	--
RM-3-4	09/13/2006	2 - 12 in	N	--	--	< 7.6	--	--	--	***64 J***	--	--	***390 J***	--	--	--	***66 J***	--	6700	--	5 J	--	--
RM-3-5	09/13/2006	0 - 2 in	N	--	--	< 8.9	--	--	--	***63 J***	--	--	***370 J***	--	--	--	**55 J**	--	6200	--	**18 J**	--	--
RM-3-5	09/13/2006	2 - 12 in	N	--	--	< 10	--	--	--	***65 J***	--	--	***380 J***	--	--	--	***70 J***	--	6600	--	**20 J**	--	--
RM-3-6	09/13/2006	0 - 2 in	N	--	--	< 8.9	--	--	--	***94 J***	--	--	***430 J***	--	--	--	***79 J***	--	7000	--	7 J	--	--
RM-3-6	09/13/2006	2 - 12 in	N	--	--	< 7.6	--	--	--	***63 J***	--	--	***380 J***	--	--	--	***64 J***	--	9400	--	9 J	--	--
RM-3-7	06/02/2009	3 - 4 ft	N	0.37	3.6	--	***178***	0.38 J	< 0.2	--	**4170**	5.6	--	--	4.5	17.7	--	13100	--	4.8 J	--	3260 J	302
RM-3-8	06/02/2009	2.5 - 3.2 ft	N	0.47	5.3	--	***269***	***0.61 J***	< 0.2	--	***5100***	7.6	--	--	***8.6***	31.1	--	***21600***	--	14.4 J	--	***5500***	414
RM-4-1	09/12/2006	0 - 2 in	N	--	14 J	< 9.6	84 J	< 2 J	***125 J***	***110 J***	***244000 J***	***581 J***	***420 J***	--	3 J	***104 J***	***90 J***	6730 J	6400	10 J	7 J	2930 J	69 J
RM-4-1	09/12/2006	2 - 12 in	N	--	10 J	< 10	82 J	< 2 J	***125 J***	***130 J***	***258000 J***	***568 J***	***420 J***	--	< 2 J	***101 J***	***78 J***	5980 J	6300	9 J	9 J	1930 J	77 J
RM-4-1	05/14/2009	3 - 4 ft	N	--	--	< 12	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	13 J	--	--
RM-4-1	05/14/2009	5 - 6 ft	N	--	--	10 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	10 J	--	--
RM-4-2	09/13/2006	0 - 2 in	N	--	--	< 9.6	--	--	--	***92 J***	--	--	***410 J***	--	--	--	***83 J***	--	6200	--	7 J	--	--
RM-4-2	09/13/2006	2 - 12 in	N	--	--	< 8.9	--	--	--	***110 J***	--	--	***410 J***	--	--	--	***90 J***	--	6200	--	12 J	--	--
RM-4-3	09/13/2006	0 - 2 in	N	--	--	< 15	--	--	--	***66 J***	--	--	***380 J***	--	--	--	***76 J***	--	7000	--	***84 J***	--	--
RM-4-3	09/13/2006	2 - 12 in	N	--	--	< 20	--	--	--	***67 J***	--	--	***360 J***	--	--	--	**59 J**	--	6400	--	***170***	--	--
RM-4-3	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	***77.9***	--	--	--

Table 5.5.6-2
Soil Data - Metals
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name / Analysis Location				Antimony Lab	Arsenic Lab	Arsenic Field	Barium Lab	Beryllium Lab	Cadmium Lab	Cadmium Field	Calcium Lab	Chromium Lab	Chromium Field	Chromium, hexavalent Lab	Cobalt Lab	Copper Lab	Copper Field	Iron Lab	Iron Field	Lead Lab	Lead Field	Magnesium Lab	Manganese Lab
Background Mean, Exceedances **Bold**				**0.50**	**23**	**23**	**150**	**0.51**	**1.6**	**1.6**	**3900**	**11**	**11**		**5.9**	**35**	**35**	**19600**	**19600**	**17**	**17**	**3500**	540
Background Maximum, Exceedances Underline				3.9	120	120	290	1.3	8.9	8.9	14000	48	48		9.5	300	300	35300	35300	190	190	5700	1100
Background 95% UCL, Exceedances *Italic*				*1.0*	*40*	*40*	*170*	*0.546*	*1.057*	*1.057*	*4500*	*12.46*	*12.46*		*6.145*	*63.87*	*63.87*	*20600*	*20600*	*34.98*	*34.98*	*3700*	570
Location ID	**Sample Date**	**Depth**	**Sample Type**																				
RM-4-4	09/13/2006	0 - 2 in	N	--	--	< 10	--	--	--	***68 J***	--	--	***400 J***	--	--	--	**59 J**	--	6100	--	15 J	--	--
RM-4-4	09/13/2006	2 - 12 in	N	--	--	< 9.6	--	--	--	***68 J***	--	--	***410 J***	--	--	--	***70 J***	--	6300	--	**25 J**	--	--
RM-4-5	09/14/2006	0 - 2 in	N	--	--	< 13	--	--	--	***65 J***	--	--	***390 J***	--	--	--	***90 J***	--	7300	--	***61 J***	--	--
RM-4-5	09/14/2006	2 - 12 in	N	--	--	< 8.3	--	--	--	***80 J***	--	--	***390 J***	--	--	--	***78 J***	--	7300	--	5 J	--	--
RM-4-6	09/13/2006	0 - 2 in	N	--	--	< 8.3	--	--	--	***80 J***	--	--	***390 J***	--	--	--	***78 J***	--	7300	--	5 J	--	--
RM-4-6	09/13/2006	2 - 12 in	N	--	--	< 8.3	--	--	--	***82 J***	--	--	***390 J***	--	--	--	***74 J***	--	7000	--	8 J	--	--
RM-4-7	06/02/2009	2 - 3 ft	N	0.48	5.3	--	***231***	***0.61 J***	< 0.2	--	***6460***	6.2	--	--	5.2	23.8	--	17800	--	5.7 J	--	***4340***	370
RM-5-1	09/13/2006	0 - 2 in	N	--	--	< 10	--	--	--	***120 J***	--	--	***420 J***	--	--	--	***95 J***	--	6400	--	12 J	--	--
RM-5-1	09/13/2006	2 - 12 in	N	--	--	< 12	--	--	--	***68 J***	--	--	***400 J***	--	--	--	***81 J***	--	6300	--	**20 J**	--	--
RM-5-2	09/12/2006	0 - 2 in	N	--	16 J	< 10	91 J	< 2 J	***123 J***	***120 J***	***250000 J***	***719 J***	***410 J***	--	< 2 J	***116 J***	***84 J***	8080 J	6300	11 J	12 J	2100 J	75 J
			FD	--	15 J	--	88 J	< 2 J	***123 J***	--	***246000 J***	***660 J***	--	--	< 2 J	***120 J***	--	7680 J	--	11 J	--	1990 J	64 J
RM-5-2	09/12/2006	2 - 12 in	N	--	12 J	< 9.6	82 J	< 2 J	***107 J***	***110 J***	***237000 J***	***574 J***	***410 J***	--	4 J	***99 J***	***84 J***	6690 J	6100	10 J	9 J	1770 J	99 J
			FD	--	12 J	--	69 J	< 2 J	***106 J***	--	***274000 J***	***485 J***	--	--	< 2 J	***88 J***	--	5860 J	--	9 J	--	***11100 J***	53 J
RM-5-2	05/14/2009	2 - 3 ft	N	--	--	**32**	--	--	--	< 0.2	--	--	***30 J***	--	--	--	--	--	--	--	**29**	--	--
RM-5-2	05/14/2009	4 - 5 ft	N	--	--	10 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	8 J	--	--
RM-5-3	09/13/2006	0 - 2 in	N	--	--	< 10	--	--	--	***110 J***	--	--	***430 J***	--	--	--	***95 J***	--	6400	--	15 J	--	--
RM-5-3	09/13/2006	2 - 12 in	N	--	--	< 8.9	--	--	--	***68 J***	--	--	***440 J***	--	--	--	***82 J***	--	6300	--	15 J	--	--
RM-5-4	09/13/2006	0 - 2 in	N	--	--	< 10	--	--	--	***110 J***	--	--	***410 J***	--	--	--	***69 J***	--	6200	--	14 J	--	--
RM-5-4	09/13/2006	2 - 12 in	N	--	--	< 10	--	--	--	***85 J***	--	--	***400 J***	--	--	--	**61 J**	--	5700	--	12 J	--	--
RM-5-5	09/13/2006	0 - 2 in	N	--	--	< 9.6	--	--	--	***99 J***	--	--	***400 J***	--	--	--	***84 J***	--	6400	--	< 5	--	--
RM-5-5	09/13/2006	2 - 12 in	N	--	--	< 5.6	--	--	--	***59 J***	--	--	***380 J***	--	--	--	***72 J***	--	7000	--	< 1	--	--
RM-5-6	09/13/2006	0 - 2 in	N	--	--	< 9.6	--	--	--	***130 J***	--	--	***410 J***	--	--	--	***83 J***	--	6200	--	9 J	--	--
RM-5-6	09/13/2006	2 - 12 in	N	--	--	< 8.9	--	--	--	***110 J***	--	--	***420 J***	--	--	--	***76 J***	--	6200	--	15 J	--	--
RM-6-1	09/12/2006	0 - 2 in	N	--	--	< 31	--	--	--	***60 J***	--	--	***320 J***	--	--	--	***79 J***	--	12100	--	**28 J**	--	--
RM-6-1	09/12/2006	2 - 12 in	N	--	--	< 25	--	--	--	***60 J***	--	--	***330 J***	--	--	--	***95 J***	--	13300	--	***40 J***	--	--
RM-6-1	09/13/2006	0 - 2 in	N	--	**26 J**	--	132 J	< 2 J	< 0.5 J	--	3350 J	8 J	--	--	5 J	***91 J***	--	11500 J	--	**22 J**	--	3080 J	361 J
RM-6-1	09/13/2006	2 - 12 in	N	--	23 J	--	107 J	< 2 J	< 0.5 J	--	3500 J	7 J	--	--	4 J	***72 J***	--	10500 J	--	**19 J**	--	2580 J	318 J
RM-6-1	05/14/2009	6.5 - 7.5 ft	N	--	--	< 12	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	13 J	--	--
RM-6-1	05/14/2009	8.5 - 9.5 ft	N	--	--	9 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	11 J	--	--
RM-6-1	05/19/2009	0 - 2 in	N	--	**24.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RM-6-2	09/13/2006	0 - 2 in	N	--	--	< 9.6	--	--	--	***110 J***	--	--	***370 J***	--	--	--	***90 J***	--	6100	--	5 J	--	--
RM-6-2	09/13/2006	2 - 12 in	N	--	--	< 9.6	--	--	--	***69 J***	--	--	***370 J***	--	--	--	**59 J**	--	5600	--	**19 J**	--	--
RM-6-3	09/13/2006	0 - 2 in	N	--	--	< 11	--	--	--	***92 J***	--	--	***470 J***	--	--	--	***110 J***	--	7600	--	**26 J**	--	--
RM-6-3	09/13/2006	2 - 12 in	N	--	--	< 12	--	--	--	***110 J***	--	--	***470 J***	--	--	--	***110 J***	--	7300	--	8 J	--	--
RM-6-4	09/13/2006	0 - 2 in	N	--	--	< 23	--	--	--	***66 J***	--	--	***410 J***	--	--	--	***130 J***	--	8800	--	***36 J***	--	--
RM-6-4	09/13/2006	2 - 12 in	N	--	--	< 16	--	--	--	***66 J***	--	--	***430 J***	--	--	--	***110 J***	--	8800	--	***55 J***	--	--
RM-6-4	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RM-6-5	09/13/2006	0 - 2 in	N	--	--	< 12	--	--	--	***130 J***	--	--	***440 J***	--	--	--	***100 J***	--	6800	--	**25 J**	--	--
RM-6-5	09/13/2006	2 - 12 in	N	--	--	< 12	--	--	--	***66 J***	--	--	***410 J***	--	--	--	***67 J***	--	7300	--	***41 J***	--	--
RM-6-6	09/13/2006	0 - 2 in	N	--	--	< 9.6	--	--	--	***100 J***	--	--	***420 J***	--	--	--	***76 J***	--	7000	--	12 J	--	--
RM-6-6	09/13/2006	2 - 12 in	N	--	--	< 9.6	--	--	--	***91 J***	--	--	***420 J***	--	--	--	***79 J***	--	6200	--	15 J	--	--
RM-7-1	09/13/2006	0 - 2 in	N	--	--	< 10	--	--	--	***66 J***	--	--	***510 J***	--	--	--	***110 J***	--	8800	--	**24 J**	--	--
RM-7-1	09/13/2006	2 - 12 in	N	--	--	< 8.3	--	--	--	***65 J***	--	--	***470 J***	--	--	--	***80 J***	--	8200	--	4 J	--	--
RM-7-2	09/13/2006	0 - 2 in	N	--	17 J	< 13	136 J	< 2 J	***67.6 J***	***86 J***	***218000 J***	***897 J***	***570 J***	--	4 J	***184 J***	***90 J***	11900 J	8500	**21 J**	***37 J***	2430 J	112 J
RM-7-2	09/13/2006	2 - 12 in	N	--	15 J	< 12	148 J	< 2 J	***55.8 J***	***68 J***	***206000 J***	***481 J***	***460 J***	--	< 2 J	***71 J***	***74 J***	6210 J	6700	**21 J**	***38 J***	2800 J	83 J
RM-7-2	05/14/2009	6 - 7 ft	N	--	--	< 11	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	9 J	--	--
RM-7-2	05/14/2009	8 - 9 ft	N	--	--	< 11	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	12 J	--	--
RM-7-3	09/13/2006	2 - 12 in	N	--	--	< 11	--	--	--	***57 J***	--	--	***440 J***	--	--	--	***78 J***	--	8800	--	8 J	--	--
RM-7-3	09/14/2006	0 - 2 in	N	--	--	< 14	--	--	--	***62 J***	--	--	***510 J***	--	--	--	***100 J***	--	9400	--	**23 J**	--	--
RM-7-4	09/14/2006	0 - 2 in	N	--	--	< 11	--	--	--	***140 J***	--	--	***480 J***	--	--	--	***90 J***	--	7900	--	**28 J**	--	--
RM-7-4	09/14/2006	2 - 12 in	N	--	--	< 8.9	--	--	--	***66 J***	--	--	***400 J***	--	--	--	***80 J***	--	6500	--	12 J	--	--
RM-7-5	09/14/2006	0 - 2 in	N	--	--	< 11	--	--	--	***100 J***	--	--	***450 J***	--	--	--	***65 J***	--	7000	--	**18 J**	--	--
RM-7-5	09/14/2006	2 - 12 in	N	--	--	< 10	--	--	--	***110 J***	--	--	***440 J***	--	--	--	***90 J***	--	7000	--	**25 J**	--	--
RM-7-6	09/14/2006	0 - 2 in	N	--	--	< 9.6	--	--	--	***100 J***	--	--	***470 J***	--	--	--	***110 J***	--	6900	--	**25 J**	--	--
RM-7-6	09/14/2006	2 - 12 in	N	--	--	< 9.6	--	--	--	***120 J***	--	--	***470 J***	--	--	--	***69 J***	--	6700	--	**20 J**	--	--

12/27/2012
P:\Mpls\26 MT\46\2646006\WorkFiles\RFI\RFI Final Ph I 2012\Section 5.5 SWMU Investigations&Results\Section 5.5.06-SWMU 6\Tables\5.5.6_SMWU6_Background_12262012

Table 5.5.6-2
Soil Data - Metals
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name / Analysis Location				Antimony Lab	Arsenic Lab	Arsenic Field	Barium Lab	Beryllium Lab	Cadmium Lab	Cadmium Field	Calcium Lab	Chromium Lab	Chromium Field	Chromium, hexavalent Lab	Cobalt Lab	Copper Lab	Copper Field	Iron Lab	Iron Field	Lead Lab	Lead Field	Magnesium Lab	Manganese Lab
Background Mean, Exceedances **Bold**				**0.50**	**23**	**23**	**150**	**0.51**	**1.6**	**1.6**	**3900**	**11**	**11**		**5.9**	**35**	**35**	**19600**	**19600**	**17**	**17**	**3500**	540
Background Maximum, Exceedances Underline				3.9	120	120	290	1.3	8.9	8.9	14000	48	48		9.5	300	300	35300	35300	190	190	5700	1100
Background 95% UCL, Exceedances *Italic*				*1.0*	*40*	*40*	*170*	*0.546*	*1.057*	*1.057*	*4500*	*12.46*	*12.46*		*6.145*	*63.87*	*63.87*	*20600*	*20600*	*34.98*	*34.98*	*3700*	570
Location ID	**Sample Date**	**Depth**	**Sample Type**																				
RM-8-1	09/13/2006	0 - 2 in	N	--	--	< 18	--	--	--	***68 J***	--	--	***720 J***	--	--	--	***140 J***	--	12400	--	***35 J***	--	--
RM-8-1	09/13/2006	2 - 12 in	N	--	--	< 24	--	--	--	***65 J***	--	--	***410 J***	--	--	--	***84 J***	--	7300	--	***88 J***	--	--
RM-8-1	05/19/2009	0 - 2 in	N	--	--	--	--	--	--	--	--	***317***	--	0.39 J	--	--	--	--	--	--	--	--	--
RM-8-2	09/14/2006	0 - 2 in	N	--	--	< 24	--	--	--	***60 J***	--	--	***510 J***	--	--	--	***150 J***	--	12400	--	***59 J***	--	--
RM-8-2	09/14/2006	2 - 12 in	N	--	--	< 7.6	--	--	--	***59 J***	--	--	***370 J***	--	--	--	**50 J**	--	13300	--	15 J	--	--
RM-8-3	09/13/2006	0 - 2 in	N	--	**35 J**	< 18	***228 J***	< 2 J	***30.2 J***	***66 J***	***177000 J***	***633 J***	***550 J***	--	3 J	***116 J***	***140 J***	13400 J	12700	***42 J***	***67 J***	2900 J	167 J
RM-8-3	09/13/2006	2 - 12 in	N	--	11 J	< 16	94 J	< 2 J	***11.8 J***	***75 J***	***98800 J***	***2340 J***	***2400 J***	--	***12 J***	***423 J***	***420 J***	***39700 J***	***40000***	***422 J***	***41 J***	1340 J	236 J
RM-8-3	05/19/2009	0 - 2 in	N	--	6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RM-8-3	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	***3060***	--	0.51 J	--	***496***	--	***48100***	--	--	--	--	--
RM-8-4	09/14/2006	0 - 2 in	N	--	--	< 29	--	--	--	***71 J***	--	--	***890 J***	--	--	--	***190 J***	--	15400	--	***83 J***	--	--
RM-8-4	09/14/2006	2 - 12 in	N	--	--	< 19	--	--	--	***66 J***	--	--	***500 J***	--	--	--	***77 J***	--	8800	--	***150***	--	--
RM-8-4	05/19/2009	0 - 2 in	N	--	--	--	--	--	--	--	--	***590***	--	0.43 J	--	***117***	--	--	--	--	--	--	--
RM-8-4	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	***67.1***	--	--	--
RM-8-5	09/14/2006	0 - 2 in	N	--	--	< 44	--	--	--	***70 J***	--	--	***760 J***	--	--	--	***170 J***	--	13000	--	***100***	--	--
RM-8-5	09/14/2006	2 - 12 in	N	--	--	< 21	--	--	--	***66 J***	--	--	***390 J***	--	--	--	***75 J***	--	7300	--	***160***	--	--
RM-8-5	05/19/2009	0 - 2 in	N	--	**24.4**	--	--	--	--	--	--	***1700***	--	0.55 J	--	***371***	--	--	--	***56.8***	--	--	--
			FD	--	**24.3**	--	--	--	--	--	--	***1290***	--	0.31 J	--	***291***	--	--	--	***55.1***	--	--	--
RM-8-5	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	***89.7***	--	--	--
RM-8-6	09/14/2006	0 - 2 in	N	--	--	< 16	--	--	--	***76 J***	--	--	***2600 J***	--	--	--	***450 J***	--	***46000***	--	**26 J**	--	--
RM-8-6	09/14/2006	2 - 12 in	N	--	--	< 14	--	--	--	***77 J***	--	--	***3200 J***	--	--	--	***520 J***	--	***55000***	--	< 9	--	--
RM-8-6	05/19/2009	0 - 2 in	N	--	--	--	--	--	--	--	--	***2040***	--	0.39 J	--	***315***	--	***30800***	--	--	--	--	--
RM-8-6	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	***2160***	--	0.36 R	--	***398***	--	***34800***	--	--	--	--	--
RM-8-7	05/15/2009	5 - 6 ft	N	--	--	17 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	12 J	--	--
RM-8-7	05/15/2009	7 - 8 ft	N	--	--	12 J	--	--	--	< 0.2	--	--	< 2	--	--	--	--	--	--	--	6 J	--	--
RM-8-7	06/02/2009	0 - 2 in	N	***2.230***	7.8	--	***273***	***1.61***	***26.1***	--	***70800***	***214***	--	--	5.0	**54.9**	--	9440	--	**20.9 J**	--	**3650**	99.40
RM-8-7	06/02/2009	2 - 12 in	N	***25.9***	**32.9**	--	129	***1.22***	***47.5***	--	***190000***	***305***	--	--	1.9 J	**59.4**	--	10600	--	***76.4***	--	2840	94.00
RM-9-1	05/19/2009	0 - 2 in	N	***10.4 J***	17.1	16 J	62.0	***1.76***	***105***	***130***	***230000***	***657***	***631***	--	2.4	***102***	--	7870	--	16.1 J	5 J	1840	69.00
			FD	***6.230 J***	18.2	16 J	58.7	***1.82***	***132***	***120***	***264000***	***612***	***663***	--	1.2 J	***86.4***	--	6310	--	13.6 J	9 J	1600	50.80
RM-9-1	05/19/2009	2 - 12 in	N	***38.4 J***	***94.4***	***95***	***447***	***1.90 J***	***19.0 J***	***14 J***	***278000***	***372 J***	***344***	--	< 0.3	28.8	--	10300	--	***41.2***	**23 J**	818	21.90 J
RM-9-2	05/19/2009	0 - 2 in	N	--	--	21 J	--	--	--	***22***	--	--	***327***	--	--	--	--	--	--	--	***42***	--	--
RM-9-2	05/19/2009	2 - 12 in	N	--	--	21 J	--	--	--	***4 J***	--	--	***188***	--	--	--	--	--	--	--	***60***	--	--
RM-9-3	05/19/2009	0 - 2 in	N	--	--	17 J	--	--	--	***25***	--	--	***188***	--	--	--	--	--	--	--	***64***	--	--
RM-9-3	05/19/2009	2 - 12 in	N	--	--	13 J	--	--	--	***9 J***	--	--	***114***	--	--	--	--	--	--	--	***61***	--	--
RM-9-4	05/19/2009	0 - 2 in	N	--	--	12 J	--	--	--	***59***	--	--	***294***	--	--	--	--	--	--	--	**33**	--	--
RM-9-4	05/19/2009	2 - 12 in	N	--	--	19 J	--	--	--	***39***	--	--	***491***	--	--	--	--	--	--	--	***48***	--	--
RM-9-5	05/19/2009	0 - 2 in	N	--	--	16 J	--	--	--	***18***	--	--	***180***	--	--	--	--	--	--	--	12 J	--	--
RM-9-5	05/19/2009	2 - 12 in	N	--	--	12 J	--	--	--	< 0.2	--	--	***89***	--	--	--	--	--	--	--	10 J	--	--
RM-9-6	05/19/2009	0 - 2 in	N	--	--	14 J	--	--	--	***59***	--	--	***229***	--	--	--	--	--	--	--	***56***	--	--
RM-9-6	05/19/2009	2 - 12 in	N	--	--	18 J	--	--	--	***72***	--	--	***491***	--	--	--	--	--	--	--	***42***	--	--
RM-10-1	05/19/2009	0 - 2 in	N	--	--	21 J	--	--	--	***9 J***	--	--	***335***	--	--	--	--	--	--	--	**21 J**	--	--
RM-10-1	05/19/2009	2 - 12 in	N	--	--	**25 J**	--	--	--	< 0.2	--	--	***491***	--	--	--	--	--	--	--	**33**	--	--
RM-10-2	05/19/2009	0 - 2 in	N	--	--	18 J	--	--	--	***61***	--	--	***368***	--	--	--	--	--	--	--	17 J	--	--
RM-10-2	05/19/2009	2 - 12 in	N	--	--	18 J	--	--	--	***26***	--	--	***286***	--	--	--	--	--	--	--	7 J	--	--
RM-10-3	05/19/2009	0 - 2 in	N	--	--	22 J	--	--	--	***49***	--	--	***598***	--	--	--	--	--	--	--	13 J	--	--
RM-10-3	05/19/2009	2 - 12 in	N	--	--	**35**	--	--	***74.0***	***150***	--	--	***549***	--	--	--	--	--	--	--	**26 J**	--	--
RM-10-4	05/19/2009	0 - 2 in	N	--	--	< 14	--	--	***113***	***120***	--	--	***770***	--	--	--	--	--	--	--	14 J	--	--
RM-10-4	05/19/2009	2 - 12 in	N	--	--	13 J	--	--	--	***90***	--	--	***409***	--	--	--	--	--	--	--	< 3.2	--	--
RM-10-5	05/19/2009	0 - 2 in	N	***3.170***	9.1	21 J	**161**	***1.66***	***35.9***	***46***	***213000***	***249***	***565***	--	1.3 J	***65.0***	--	7960	--	**29.6**	***39***	***4410***	151
RM-10-5	05/19/2009	2 - 12 in	N	***5.730***	18.7	**34 J**	146	***0.90 J***	***18.5***	***22***	***108000***	***201***	***409***	--	4.6	**54.8**	--	12600	--	***45.5***	***60***	1650	157
RM-10-6	05/19/2009	0 - 2 in	N	--	***59.9***	***75***	--	--	--	***48***	--	--	***499***	--	--	--	--	--	--	--	***38***	--	--
RM-10-6	05/19/2009	2 - 12 in	N	--	***57.1***	***75***	--	--	--	1 J	--	--	***262***	--	--	--	--	--	--	--	**23 J**	--	--

Table 5.5.6-2
Soil Data - Metals
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name / Analysis Location				Manganese Field	Mercury Lab	Nickel Lab	Nickel Field	Potassium Lab	Selenium Lab	Selenium Field	Silver Lab	Silver Field	Sodium Lab	Thallium Lab	Uranium Lab	Uranium Field	Vanadium Lab	Vanadium Field	Zinc Lab	Zinc Field
Background Mean, Exceedances **Bold**				**540**	**0.021**	**5.3**	**5.3**	**3000**	**0.41**	**0.41**	**0.73 (1)**	**0.73 (1)**	**140**	**0.35**	**1.8**	**1.8**	**41**	**41**	**59**	**59**
Background Maximum, Exceedances Underline				1100	0.20	21	21	5300	0.70	0.70	1.7 (1)	1.7 (1)	620	1.0	4.1	4.1	83	83	380	380
Background 95% UCL, Exceedances *Italic*				*570*	*0.0381*	*6.0*	*6.0*	*3200*	*0.47*	*0.47*	*0.346 (1)*	*0.346 (1)*	*215.6*	*0.462*	*2.0*	*2.0*	*43.3*	*43.3*	*98.46*	*98.46*
Location ID	**Sample Date**	**Depth**	**Sample Type**																	
RM-1-1	09/14/2006	0 - 2 in	N	--	--	--	< 16	--	--	--	--	--	--	--	--	--	--	--	--	***110***
RM-1-1	09/14/2006	2 - 12 in	N	--	--	--	< 36	--	--	--	--	--	--	--	--	--	--	--	--	***400***
RM-1-2	09/12/2006	0 - 2 in	N	--	< 0.1	***43 J***	< 29	1260 J	< 3 J	--	***17.4 J***	--	***745 J***	< 2 J	***63 J***	--	***266 J***	--	***1530 J***	***1600***
RM-1-2	09/12/2006	2 - 12 in	N	--	***0.30***	***82 J***	< 42	***3710 J***	***6 J***	--	***6.6 J***	--	***2230 J***	< 2 J	***75 J***	--	***636 J***	--	***687 J***	***460***
RM-1-2	05/13/2009	2 - 3 ft	N	285	--	--	--	--	--	< 0.7	--	< 1	--	--	--	< 7	--	< 8	--	35
RM-1-2	05/13/2009	4 - 5 ft	N	323	--	--	--	--	--	< 1	--	< 1	--	--	--	< 7	--	< 15	--	38
RM-1-3	09/13/2006	0 - 2 in	N	--	--	--	< 9.8	--	--	--	--	--	--	--	--	--	--	--	--	***120***
RM-1-3	09/13/2006	2 - 12 in	N	--	--	--	< 23	--	--	--	--	--	--	--	--	--	--	--	--	***240***
RM-1-4	09/13/2006	0 - 2 in	N	--	--	--	< 12	--	--	--	--	--	--	--	--	--	--	--	--	***120***
RM-1-4	09/13/2006	2 - 12 in	N	--	--	--	< 30	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-1-5	09/13/2006	0 - 2 in	N	--	--	--	< 53	--	--	--	--	--	--	--	--	--	--	--	--	***930***
RM-1-5	09/13/2006	2 - 12 in	N	--	--	--	< 71	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-1-6	09/13/2006	0 - 2 in	N	--	--	--	< 38	--	--	--	--	--	--	--	--	--	--	--	--	***1200***
RM-1-6	09/13/2006	2 - 12 in	N	--	--	--	< 40	--	--	--	--	--	--	--	--	--	--	--	--	***1000***
RM-2-1	09/13/2006	0 - 2 in	N	--	--	--	< 46	--	--	--	--	--	--	--	--	--	--	--	--	***770***
RM-2-1	09/13/2006	2 - 12 in	N	--	--	--	< 53	--	--	--	--	--	--	--	--	--	--	--	--	***270***
RM-2-2	09/13/2006	0 - 2 in	N	--	--	--	< 110	--	--	--	--	--	--	--	--	--	--	--	--	***770***
RM-2-2	09/13/2006	2 - 12 in	N	--	--	--	< 53	--	--	--	--	--	--	--	--	--	--	--	--	***760***
RM-2-3	09/12/2006	0 - 2 in	N	--	< 0.1	***34 J***	< 53	***5370 J***	***5 J***	--	***7.2 J***	--	***2670 J***	< 2 J	***82 J***	--	***330 J***	--	***674 J***	***930***
RM-2-3	09/12/2006	2 - 12 in	N	--	< 0.1	***16 J***	< 53	***6180 J***	< 3 J	--	***2.7 J***	--	***1130 J***	< 2 J	***58 J***	--	***115 J***	--	***281 J***	***550***
RM-2-4	09/13/2006	0 - 2 in	N	--	--	--	< 50	--	--	--	--	--	--	--	--	--	--	--	--	***470***
RM-2-4	09/13/2006	2 - 12 in	N	--	--	--	< 53	--	--	--	--	--	--	--	--	--	--	--	--	***380***
RM-2-5	09/13/2006	0 - 2 in	N	--	--	--	< 53	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-2-5	09/13/2006	2 - 12 in	N	--	--	--	< 53	--	--	--	--	--	--	--	--	--	--	--	--	***1400***
RM-2-6	09/13/2006	0 - 2 in	N	--	--	--	< 88	--	--	--	--	--	--	--	--	--	--	--	--	***1000***
RM-2-6	09/13/2006	2 - 12 in	N	--	--	--	< 53	--	--	--	--	--	--	--	--	--	--	--	--	***620***
RM-2-7	05/13/2009	2 - 3 ft	N	398	--	--	--	--	--	< 0.7	--	< 1	--	--	--	< 7	--	< 2	--	37
RM-2-7	05/13/2009	4 - 5 ft	N	308	--	--	--	--	--	< 1	--	< 1	--	--	--	< 6	--	< 2	--	43
RM-2-7	06/02/2009	0 - 2 in	N	--	***0.151***	***51.8***	--	***3430***	***5.6***	--	***7.0***	--	***1430***	***1.630***	***70.5***	--	***416***	--	***980***	--
RM-2-7	06/02/2009	2 - 12 in	N	--	***0.187***	***69.9***	--	***3670***	***6.0***	--	***7.1***	--	***1700***	***1.810***	***90.9***	--	***511***	--	***1130***	--
RM-3-1	09/13/2006	0 - 2 in	N	--	--	--	< 28	--	--	--	--	--	--	--	--	--	--	--	--	***470***
RM-3-1	09/13/2006	2 - 12 in	N	--	--	--	< 29	--	--	--	--	--	--	--	--	--	--	--	--	***430***
RM-3-2	09/13/2006	0 - 2 in	N	--	--	--	< 47	--	--	--	--	--	--	--	--	--	--	--	--	***510***
RM-3-2	09/13/2006	2 - 12 in	N	--	--	--	< 42	--	--	--	--	--	--	--	--	--	--	--	--	***380***
RM-3-3	09/12/2006	0 - 2 in	N	--	< 0.1	***33 J***	< 44	***4730 J***	< 3 J	--	***4.8 J***	--	***2170 J***	< 2 J	***113 J***	--	***308 J***	--	***755 J***	***930***
RM-3-3	09/12/2006	2 - 12 in	N	--	***0.1***	***50 J***	< 41	***4470 J***	< 3 J	--	***9.9 J***	--	***2230 J***	***2 J***	***114 J***	--	***343 J***	--	***721 J***	***750***
RM-3-3	05/13/2009	3 - 4 ft	N	473	--	--	--	--	--	< 1	--	< 1	--	--	--	< 8	--	< 2	--	58
RM-3-3	05/13/2009	5 - 6 ft	N	375	--	--	--	--	--	< 0.7	--	< 1	--	--	--	< 6	--	< 11	--	40
RM-3-4	09/13/2006	0 - 2 in	N	--	--	--	< 47	--	--	--	--	--	--	--	--	--	--	--	--	***730***
RM-3-4	09/13/2006	2 - 12 in	N	--	--	--	< 47	--	--	--	--	--	--	--	--	--	--	--	--	***480***
RM-3-5	09/13/2006	0 - 2 in	N	--	--	--	< 43	--	--	--	--	--	--	--	--	--	--	--	--	***850***
RM-3-5	09/13/2006	2 - 12 in	N	--	--	--	< 65	--	--	--	--	--	--	--	--	--	--	--	--	***1000***
RM-3-6	09/13/2006	0 - 2 in	N	--	--	--	< 100	--	--	--	--	--	--	--	--	--	--	--	--	***730***
RM-3-6	09/13/2006	2 - 12 in	N	--	--	--	< 47	--	--	--	--	--	--	--	--	--	--	--	--	***310***
RM-3-7	06/02/2009	3 - 4 ft	N	--	0.003 J	3.7 J	--	***3290***	< 0.8	--	< 0.4	--	***1020***	0.258	***2.790***	--	23.9 J	--	34.3	--
RM-3-8	06/02/2009	2.5 - 3.2 ft	N	--	0.006 J	***6.2***	--	***5230***	< 0.8	--	< 0.4	--	***532***	**0.352**	***2.020***	--	35.5	--	56.6	--
RM-4-1	09/12/2006	0 - 2 in	N	--	***0.30***	***112 J***	< 120	***3650 J***	***10 J***	--	***7.0 J***	--	***2340 J***	***4 J***	***152 J***	--	***802 J***	--	***1330 J***	***1000***
RM-4-1	09/12/2006	2 - 12 in	N	--	***0.4***	***108 J***	< 110	***3500 J***	***19 J***	--	***7.3 J***	--	***2350 J***	< 3 J	***148 J***	--	***737 J***	--	***1310 J***	***1100***
RM-4-1	05/14/2009	3 - 4 ft	N	***885***	--	--	--	--	--	< 1	--	< 0.4	--	--	--	< 8	--	< 2	--	27 J
RM-4-1	05/14/2009	5 - 6 ft	N	***653***	--	--	--	--	--	< 1	--	< 1	--	--	--	< 7	--	9 J	--	34 J
RM-4-2	09/13/2006	0 - 2 in	N	--	--	--	< 82	--	--	--	--	--	--	--	--	--	--	--	--	***930***
RM-4-2	09/13/2006	2 - 12 in	N	--	--	--	< 100	--	--	--	--	--	--	--	--	--	--	--	--	***1000***
RM-4-3	09/13/2006	0 - 2 in	N	--	--	--	< 53	--	--	--	--	--	--	--	--	--	--	--	--	***1000***
RM-4-3	09/13/2006	2 - 12 in	N	--	--	--	< 53	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-4-3	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***248***	--	--	--

Table 5.5.6-2
Soil Data - Metals
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

			Chemical Name	Manganese	Mercury	Nickel	Nickel	Potassium	Selenium	Selenium	Silver	Silver	Sodium	Thallium	Uranium	Uranium	Vanadium	Vanadium	Zinc	Zinc
			Analysis Location	Field	Lab	Lab	Field	Lab	Lab	Field	Lab	Field	Lab	Field	Lab	Lab	Field	Lab	Field	Lab	Field
Background Mean, Exceedances **Bold**				**540**	**0.021**	**5.3**	**5.3**	**3000**	**0.41**	**0.41**	**0.73 (1)**	**0.73 (1)**	**140**	**0.35**	**1.8**	**1.8**	**41**	**41**	**59**	**59**
Background Maximum, Exceedances Underline				1100	0.20	21	21	5300	0.70	0.70	1.7 (1)	1.7 (1)	620	1.0	4.1	4.1	83	83	380	380
Background 95% UCL, Exceedances *Italic*				*570*	*0.0381*	*6.0*	*6.0*	*3200*	*0.47*	*0.47*	*0.346 (1)*	*0.346 (1)*	*215.6*	*0.462*	*2.0*	*2.0*	*43.3*	*43.3*	*98.46*	*98.46*
Location ID	**Sample Date**	**Depth**	**Sample Type**																	
RM-4-4	09/13/2006	0 - 2 in	N	--	--	--	< 54	--	--	--	--	--	--	--	--	--	--	--	--	***690***
RM-4-4	09/13/2006	2 - 12 in	N	--	--	--	< 59	--	--	--	--	--	--	--	--	--	--	--	--	***850***
RM-4-5	09/14/2006	0 - 2 in	N	--	--	--	< 71	--	--	--	--	--	--	--	--	--	--	--	--	***1400***
RM-4-5	09/14/2006	2 - 12 in	N	--	--	--	< 47	--	--	--	--	--	--	--	--	--	--	--	--	***640***
RM-4-6	09/13/2006	0 - 2 in	N	--	--	--	< 47	--	--	--	--	--	--	--	--	--	--	--	--	***640***
RM-4-6	09/13/2006	2 - 12 in	N	--	--	--	< 77	--	--	--	--	--	--	--	--	--	--	--	--	***670***
RM-4-7	06/02/2009	2 - 3 ft	N	--	0.020	4.4 J	--	***4700***	< 0.8	--	< 0.5	--	***376***	0.346	***2.220***	--	33.9	--	39.9	--
RM-5-1	09/13/2006	0 - 2 in	N	--	--	--	< 110	--	--	--	--	--	--	--	--	--	--	--	--	***1200***
RM-5-1	09/13/2006	2 - 12 in	N	--	--	--	< 100	--	--	--	--	--	--	--	--	--	--	--	--	***1500***
RM-5-2	09/12/2006	0 - 2 in	N	--	***0.4***	***126 J***	< 94	***4390 J***	***17 J***	--	***6.9 J***	--	***2320 J***	***4 J***	***143 J***	--	***952 J***	--	***1360 J***	***930***
			FD	--	***0.4***	***116 J***	--	***4010 J***	***7 J***	--	***7.5 J***	--	***2180 J***	< 3 J	***144 J***	--	***807 J***	--	***1270 J***	--
RM-5-2	09/12/2006	2 - 12 in	N	--	***0.4***	***112 J***	< 77	***3460 J***	***12 J***	--	***6.4 J***	--	***2150 J***	< 3 J	***127 J***	--	***701 J***	--	***1250 J***	***930***
			FD	--	***0.4***	***97 J***	--	**3130 J**	< 6 J	--	***6.9 J***	--	***1660 J***	***4 J***	***126 J***	--	***585 J***	--	***1100 J***	--
RM-5-2	05/14/2009	2 - 3 ft	N	360	--	--	--	--	--	< 1	--	< 1	--	--	--	< 6	--	30 J	--	***221***
RM-5-2	05/14/2009	4 - 5 ft	N	443	--	--	--	--	--	< 0.7	--	< 1	--	--	--	< 7	--	< 2	--	31 J
RM-5-3	09/13/2006	0 - 2 in	N	--	--	--	< 94	--	--	--	--	--	--	--	--	--	--	--	--	***1000***
RM-5-3	09/13/2006	2 - 12 in	N	--	--	--	< 82	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-5-4	09/13/2006	0 - 2 in	N	--	--	--	< 120	--	--	--	--	--	--	--	--	--	--	--	--	***1200***
RM-5-4	09/13/2006	2 - 12 in	N	--	--	--	< 77	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-5-5	09/13/2006	0 - 2 in	N	--	--	--	< 94	--	--	--	--	--	--	--	--	--	--	--	--	***850***
RM-5-5	09/13/2006	2 - 12 in	N	--	--	--	< 42	--	--	--	--	--	--	--	--	--	--	--	--	***510***
RM-5-6	09/13/2006	0 - 2 in	N	--	--	--	< 65	--	--	--	--	--	--	--	--	--	--	--	--	***930***
RM-5-6	09/13/2006	2 - 12 in	N	--	--	--	< 82	--	--	--	--	--	--	--	--	--	--	--	--	***930***
RM-6-1	09/12/2006	0 - 2 in	N	--	--	--	< 36	--	--	--	--	--	--	--	--	--	--	--	--	**79**
RM-6-1	09/12/2006	2 - 12 in	N	--	--	--	< 39	--	--	--	--	--	--	--	--	--	--	--	--	**79**
RM-6-1	09/13/2006	0 - 2 in	N	--	< 0.1	***6 J***	--	***4130 R***	< 2 J	--	< 0.5 J	--	140 J	< 2 J	***2 J***	--	22 J	--	**71 J**	--
RM-6-1	09/13/2006	2 - 12 in	N	--	< 0.1	5 J	--	2930 R	< 2 J	--	< 0.5 J	--	95 J	< 2 J	***2 J***	--	21 J	--	56 J	--
RM-6-1	05/14/2009	6.5 - 7.5 ft	N	353	--	--	--	--	--	< 0.7	--	< 1	--	--	--	< 7	--	< 2	--	32 J
RM-6-1	05/14/2009	8.5 - 9.5 ft	N	338	--	--	--	--	--	< 0.7	--	< 1	--	--	--	< 7	--	< 2	--	30 J
RM-6-1	05/19/2009	0 - 2 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***53.1***	--	--	--
RM-6-2	09/13/2006	0 - 2 in	N	--	--	--	< 52	--	--	--	--	--	--	--	--	--	--	--	--	***1000***
RM-6-2	09/13/2006	2 - 12 in	N	--	--	--	< 77	--	--	--	--	--	--	--	--	--	--	--	--	***850***
RM-6-3	09/13/2006	0 - 2 in	N	--	--	--	< 120	--	--	--	--	--	--	--	--	--	--	--	--	***850***
RM-6-3	09/13/2006	2 - 12 in	N	--	--	--	< 140	--	--	--	--	--	--	--	--	--	--	--	--	***1200***
RM-6-4	09/13/2006	0 - 2 in	N	--	--	--	< 82	--	--	--	--	--	--	--	--	--	--	--	--	***1600***
RM-6-4	09/13/2006	2 - 12 in	N	--	--	--	< 110	--	--	--	--	--	--	--	--	--	--	--	--	***2100***
RM-6-4	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***364***	--	***595***	--
RM-6-5	09/13/2006	0 - 2 in	N	--	--	--	< 71	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-6-5	09/13/2006	2 - 12 in	N	--	--	--	< 77	--	--	--	--	--	--	--	--	--	--	--	--	***1500***
RM-6-6	09/13/2006	0 - 2 in	N	--	--	--	< 71	--	--	--	--	--	--	--	--	--	--	--	--	***850***
RM-6-6	09/13/2006	2 - 12 in	N	--	--	--	< 52	--	--	--	--	--	--	--	--	--	--	--	--	***480***
RM-7-1	09/13/2006	0 - 2 in	N	--	--	--	< 120	--	--	--	--	--	--	--	--	--	--	--	--	***850***
RM-7-1	09/13/2006	2 - 12 in	N	--	--	--	< 82	--	--	--	--	--	--	--	--	--	--	--	--	***770***
RM-7-2	09/13/2006	0 - 2 in	N	--	***0.30***	***160 J***	< 100	***5010 R***	***6 J***	--	***22.7 J***	--	***1710 J***	< 3 J	***113 J***	--	***1160 J***	--	***1300 J***	***1400***
RM-7-2	09/13/2006	2 - 12 in	N	--	***0.2***	***75 J***	< 77	***4970 R***	***6 J***	--	***12.0 J***	--	***1520 J***	< 2 J	***93 J***	--	***583 J***	--	***1210 J***	***1200***
RM-7-2	05/14/2009	6 - 7 ft	N	203	--	--	--	--	--	< 1	--	< 0.4	--	--	--	< 9	--	< 2	--	25 J
RM-7-2	05/14/2009	8 - 9 ft	N	525	--	--	--	--	--	< 0.7	--	< 1	--	--	--	< 8	--	3 J	--	37
RM-7-3	09/13/2006	2 - 12 in	N	--	--	--	< 77	--	--	--	--	--	--	--	--	--	--	--	--	***720***
RM-7-3	09/14/2006	0 - 2 in	N	--	--	--	< 120	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-7-4	09/14/2006	0 - 2 in	N	--	--	--	< 200	--	--	--	--	--	--	--	--	--	--	--	--	***1800***
RM-7-4	09/14/2006	2 - 12 in	N	--	--	--	< 71	--	--	--	--	--	--	--	--	--	--	--	--	***1000***
RM-7-5	09/14/2006	0 - 2 in	N	--	--	--	< 120	--	--	--	--	--	--	--	--	--	--	--	--	***1200***
RM-7-5	09/14/2006	2 - 12 in	N	--	--	--	< 160	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-7-6	09/14/2006	0 - 2 in	N	--	--	--	< 110	--	--	--	--	--	--	--	--	--	--	--	--	***1100***
RM-7-6	09/14/2006	2 - 12 in	N	--	--	--	< 150	--	--	--	--	--	--	--	--	--	--	--	--	***1100***

Table 5.5.6-2
Soil Data - Metals
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

			Chemical Name	Manganese	Mercury	Nickel	Nickel	Potassium	Selenium	Selenium	Silver	Silver	Sodium	Thallium	Uranium	Uranium	Vanadium	Vanadium	Zinc	Zinc
			Analysis Location	Field	Lab	Lab	Field	Lab	Lab	Field	Lab	Field	Lab	Field	Lab	Lab	Field	Lab	Field	Lab	Field
Background Mean, Exceedances **Bold**				**540**	**0.021**	**5.3**	**5.3**	**3000**	**0.41**	**0.41**	**0.73 (1)**	**0.73 (1)**	**140**	**0.35**	**1.8**	**1.8**	**41**	**41**	**59**	**59**
Background Maximum, Exceedances Underline				1100	0.20	21	21	5300	0.70	0.70	1.7 (1)	1.7 (1)	620	1.0	4.1	4.1	83	83	380	380
Background 95% UCL, Exceedances *Italic*				*570*	*0.0381*	*6.0*	*6.0*	*3200*	*0.47*	*0.47*	*0.346 (1)*	*0.346 (1)*	*215.6*	*0.462*	*2.0*	*2.0*	*43.3*	*43.3*	*98.46*	*98.46*
Location ID	**Sample Date**	**Depth**	**Sample Type**																	
RM-8-1	09/13/2006	0 - 2 in	N	--	--	--	< 150	--	--	--	--	--	--	--	--	--	--	--	--	***930***
RM-8-1	09/13/2006	2 - 12 in	N	--	--	--	< 47	--	--	--	--	--	--	--	--	--	--	--	--	***1600***
RM-8-1	05/19/2009	0 - 2 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***405***	--	--	--
RM-8-2	09/14/2006	0 - 2 in	N	--	--	--	< 82	--	--	--	--	--	--	--	--	--	--	--	--	***640***
RM-8-2	09/14/2006	2 - 12 in	N	--	--	--	< 37	--	--	--	--	--	--	--	--	--	--	--	--	**95**
RM-8-3	09/13/2006	0 - 2 in	N	--	***0.2***	***88 J***	< 110	***4800 R***	***5 J***	--	***8.5 J***	--	***2230 J***	< 2 J	***79 J***	--	***638 J***	--	***946 J***	***1100***
RM-8-3	09/13/2006	2 - 12 in	N	--	***0.1***	***437 J***	< 450	2410 R	< 3 J	--	***34.7 J***	--	***1100 J***	***2 J***	***51 J***	--	***2970 J***	--	***419 J***	***850***
RM-8-3	05/19/2009	0 - 2 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RM-8-3	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***4230***	--	--	--
RM-8-4	09/14/2006	0 - 2 in	N	--	--	--	< 280	--	--	--	--	--	--	--	--	--	--	--	--	***1700***
RM-8-4	09/14/2006	2 - 12 in	N	--	--	--	< 82	--	--	--	--	--	--	--	--	--	--	--	--	***2000***
RM-8-4	05/19/2009	0 - 2 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***906***	--	--	--
RM-8-4	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***851***	--	***1820***	--
RM-8-5	09/14/2006	0 - 2 in	N	--	--	--	< 210	--	--	--	--	--	--	--	--	--	--	--	--	***2100***
RM-8-5	09/14/2006	2 - 12 in	N	--	--	--	< 47	--	--	--	--	--	--	--	--	--	--	--	--	***2100***
RM-8-5	05/19/2009	0 - 2 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***3440***	--	***1650***	--
			FD	--	--	--	--	--	--	--	--	--	--	--	--	--	***2660***	--	***1500***	--
RM-8-5	05/19/2009	2 - 12 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***220***	--	***1620***	--
RM-8-6	09/14/2006	0 - 2 in	N	--	--	--	< 560	--	--	--	--	--	--	--	--	--	--	--	--	***660***
RM-8-6	09/14/2006	2 - 12 in	N	--	--	--	< 620	--	--	--	--	--	--	--	--	--	--	--	--	***620***
RM-8-6	05/19/2009	0 - 2 in	N	--	--	--	--	--	--	--	--	--	--	--	--	--	***2690***	--	--	--
RM-8-6	05/19/2009	2 - 12 in	N	--	--	***340 R***	--	--	--	--	--	--	--	--	--	--	***2870***	--	--	--
RM-8-7	05/15/2009	5 - 6 ft	N	435	--	--	--	--	--	< 1	--	< 2	--	--	--	< 9	--	***90 J***	--	51
RM-8-7	05/15/2009	7 - 8 ft	N	315	--	--	--	--	--	< 1	--	< 1	--	--	--	< 8	--	< 2	--	23 J
RM-8-7	06/02/2009	0 - 2 in	N	--	***0.074***	***60.8***	--	1380	***3.9***	--	***2.5***	--	***556***	***1.250***	***22.0***	--	***327***	--	***413***	--
RM-8-7	06/02/2009	2 - 12 in	N	--	***0.390***	***53.2***	--	**3110**	***8.1***	--	***12.1***	--	***614***	***2.270***	***50.1***	--	***244***	--	***1420***	--
RM-9-1	05/19/2009	0 - 2 in	N	113 J	***0.401***	***151***	--	**3120**	***49.3 J***	***76***	***5.8***	***8 J***	***1730***	***4.390***	***114***	***112***	***973***	***1005***	***1610***	***1278***
			FD	< 83	***0.367***	***162***	--	***3210***	***129 J***	***67***	***7.1***	***8 J***	***1890***	***4.610***	***119***	***103***	***1100***	***990***	***1740***	***1602***
RM-9-1	05/19/2009	2 - 12 in	N	< 83	***4.330***	***30.2***	--	***3350***	***7.8***	***11 J***	< 0.4	< 3	***1080***	***9.570***	***114***	***112***	***399 J***	***375***	***338 J***	***207***
RM-9-2	05/19/2009	0 - 2 in	N	233	--	--	--	--	--	< 0.7	--	***7 J***	--	--	--	***35 J***	--	***375***	--	***959***
RM-9-2	05/19/2009	2 - 12 in	N	300	--	--	--	--	--	< 3	--	< 0.4	--	--	--	***26 J***	--	***225***	--	***571***
RM-9-3	05/19/2009	0 - 2 in	N	135 J	--	--	--	--	--	< 7	--	***44***	--	--	--	***66***	--	***225***	***9130***	***14074***
RM-9-3	05/19/2009	2 - 12 in	N	203 J	--	--	--	--	--	< 4	--	***40***	--	--	--	1 J	--	***150***	***12200***	***13135***
RM-9-4	05/19/2009	0 - 2 in	N	173 J	--	--	--	--	--	***10 J***	--	***6 J***	--	--	--	***93***	--	***390***	--	***802***
RM-9-4	05/19/2009	2 - 12 in	N	173 J	--	--	--	--	--	***11 J***	--	***11 J***	--	--	--	***72***	--	***645***	--	***1198***
RM-9-5	05/19/2009	0 - 2 in	N	143 J	--	--	--	--	--	< 3	--	< 0.4	--	--	--	***45***	--	***255***	--	***427***
RM-9-5	05/19/2009	2 - 12 in	N	98 J	--	--	--	--	--	***5 J***	--	***11 J***	--	--	--	***93***	--	***60***	--	***880***
RM-9-6	05/19/2009	0 - 2 in	N	165 J	--	--	--	--	--	***7 J***	--	***9 J***	--	--	--	***73***	--	***330***	--	***959***
RM-9-6	05/19/2009	2 - 12 in	N	180 J	--	--	--	--	--	***6 J***	--	***6 J***	--	--	--	***73***	--	***615***	--	***1278***
RM-10-1	05/19/2009	0 - 2 in	N	353	--	--	--	--	--	< 3	--	< 2	--	--	--	***47***	--	***360***	--	***540***
RM-10-1	05/19/2009	2 - 12 in	N	458	--	--	--	--	--	< 4	--	< 3	--	--	--	***35 J***	--	***435***	--	***265***
RM-10-2	05/19/2009	0 - 2 in	N	165 J	--	--	--	--	--	***9 J***	--	***6 J***	--	--	--	***83***	--	***495***	--	***880***
RM-10-2	05/19/2009	2 - 12 in	N	59 J	--	--	--	--	--	***7 J***	--	***3 J***	--	--	--	***83***	--	***420***	--	***670***
RM-10-3	05/19/2009	0 - 2 in	N	98 J	--	--	--	--	--	***11 J***	--	< 0.4	--	--	--	***60***	--	***945***	--	***1118***
RM-10-3	05/19/2009	2 - 12 in	N	98 J	--	--	--	--	--	***17 J***	--	***16 J***	--	--	--	***103***	--	***855***	--	***1849***
RM-10-4	05/19/2009	0 - 2 in	N	< 83	--	--	--	--	--	***39***	--	***7 J***	--	--	--	***83***	--	***870***	--	***717***
RM-10-4	05/19/2009	2 - 12 in	N	55 J	--	--	--	--	--	***9 J***	--	***7 J***	--	--	--	***112***	--	***600***	--	***724***
RM-10-5	05/19/2009	0 - 2 in	N	233 J	***0.060***	***36.4***	--	***5310***	***4.0***	***6 J***	***3.8***	***6 J***	***1550***	***1.620***	***60.5***	***66***	***255***	***675***	***596***	***1118***
RM-10-5	05/19/2009	2 - 12 in	N	150 J	***0.106***	***36.1***	--	2990	***2.4***	***5 J***	***5.6***	***13 J***	***665***	***1.350***	***33.1***	***41***	***174***	***435***	***1300***	***3364***
RM-10-6	05/19/2009	0 - 2 in	N	285 J	--	--	--	--	--	***7 J***	--	***1 J***	--	--	--	***63***	--	***540***	--	***1118***
RM-10-6	05/19/2009	2 - 12 in	N	398	--	--	--	--	--	< 0.7	--	< 3	--	--	--	***66***	--	***210***	--	***164***

Table 5.5.6-3
Soil Data - SVOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name				1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,2-Diphenylhydrazine	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1-Methylnaphthalene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene
Location ID	Sample Date	Depth	Sample Type													
RM-1-2	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	**0.25 J**	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-1-2	9/12/2006	2 - 12 in	N	< 0.36	< 0.36	--	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 1.8	< 0.36	< 0.36
RM-1-2	5/13/2009	2 - 3 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-1-2	5/13/2009	4 - 5 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-2-3	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-2-3	9/12/2006	2 - 12 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-2-7	6/2/2009	0 - 2 in	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017 R	< 0.016	< 0.12	< 0.015	< 0.016
RM-2-7	6/2/2009	2 - 12 in	N	< 0.011	< 0.018	< 0.015 J	< 0.019	< 0.018	--	< 0.018 R	< 0.015 R	< 0.017 R	< 0.016 R	< 0.12 R	< 0.015	< 0.016
RM-2-7	5/13/2009	2 - 3 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-2-7	5/13/2009	4 - 5 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-3-3	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-3-3	9/12/2006	2 - 12 in	N	< 0.35	< 0.35	--	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 1.8	< 0.35	< 0.35
RM-3-3	5/13/2009	3 - 4 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-3-3	5/13/2009	5 - 6 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017 R	< 0.016	< 0.12	< 0.015	< 0.016
RM-4-1	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-4-1	9/12/2006	2 - 12 in	N	< 0.35	< 0.35	--	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 1.7	< 0.35	< 0.35
RM-4-1	5/14/2009	3 - 4 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-4-1	5/14/2009	5 - 6 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-5-2	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
			FD	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-5-2	9/12/2006	2 - 12 in	N	< 0.36	< 0.36	--	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 1.8	< 0.36	< 0.36
			FD	< 0.36	< 0.36	--	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 1.8	< 0.36	< 0.36
RM-5-2	5/14/2009	2 - 3 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017 R	< 0.016	< 0.12	< 0.015	< 0.016
RM-5-2	5/14/2009	4 - 5 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-6-1	9/13/2006	0 - 2 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-6-1	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-6-1	5/14/2009	6.5 - 7.5 ft	N	< 0.011	< 0.018	< 0.015 J	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016 R	< 0.12 R	< 0.015	< 0.016
RM-6-1	5/14/2009	8.5 - 9.5 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-7-2	9/13/2006	0 - 2 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-7-2	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-7-2	5/14/2009	6 - 7 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-7-2	5/14/2009	8 - 9 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-8-3	9/13/2006	0 - 2 in	N	< 0.35	< 0.35	--	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 1.8	< 0.35	< 0.35
RM-8-3	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 1.7	< 0.34	< 0.34
RM-8-7	6/2/2009	0 - 2 in	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018 R	< 0.015 R	< 0.017 R	< 0.016	< 0.12 R	< 0.015	< 0.016
RM-8-7	6/2/2009	2 - 12 in	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018 R	< 0.015 R	< 0.017 R	< 0.016	< 0.12 R	< 0.015	< 0.016
RM-8-7	5/15/2009	5 - 6 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-8-7	5/15/2009	7 - 8 ft	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
RM-9-1	5/19/2009	0 - 2 in	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017	< 0.016	< 0.12	< 0.015	< 0.016
			FD	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018 R	< 0.015 R	< 0.017 R	< 0.016 R	< 0.12 R	< 0.015	< 0.016
RM-9-1	5/19/2009	2 - 12 in	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018	< 0.015	< 0.017 R	< 0.016	< 0.12	< 0.015	< 0.016
RM-10-5	5/19/2009	0 - 2 in	N	< 0.011	< 0.018	< 0.015 J	< 0.019	< 0.018	--	< 0.018 R	< 0.015 R	< 0.017	< 0.016 R	< 0.12 R	< 0.015	< 0.016
RM-10-5	5/19/2009	2 - 12 in	N	< 0.011	< 0.018	< 0.015	< 0.019	< 0.018	--	< 0.018 R	< 0.015 R	< 0.017	< 0.016 R	< 0.12 R	< 0.015	< 0.016

Table 5.5.6-3
Soil Data - SVOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name				2-Chloronaphthalene	2-Chlorophenol	2-Methyl-4,6-dinitrophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3`-Dichlorobenzidine	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chloroaniline	4-Chlorophenol	4-Chlorophenyl phenyl ether	4-Nitroaniline	4-Nitrophenol
Location ID	Sample Date	Depth	Sample Type															
RM-1-2	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 1.7	**0.35**	--	< 0.34	< 0.67	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-1-2	9/12/2006	2 - 12 in	N	< 0.36	< 0.36	< 1.8	< 0.36	--	< 0.36	< 0.73	--	< 0.36	< 0.36	--	< 0.36	< 0.36	--	< 1.8
RM-1-2	5/13/2009	2 - 3 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-1-2	5/13/2009	4 - 5 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-2-3	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.67	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-2-3	9/12/2006	2 - 12 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.69	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-2-7	6/2/2009	0 - 2 in	N	< 0.010	< 0.0099 R	< 0.15	**0.037 J**	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-2-7	6/2/2009	2 - 12 in	N	< 0.010	< 0.0099 R	< 0.15 R	**0.027 J**	< 0.017	< 0.014 R	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15 R
RM-2-7	5/13/2009	2 - 3 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-2-7	5/13/2009	4 - 5 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-3-3	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.67	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-3-3	9/12/2006	2 - 12 in	N	< 0.35	< 0.35	< 1.8	< 0.35	--	< 0.35	< 0.70	--	< 0.35	< 0.35	--	< 0.35	< 0.35	--	< 1.8
RM-3-3	5/13/2009	3 - 4 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-3-3	5/13/2009	5 - 6 ft	N	< 0.010 R	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-4-1	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.67	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-4-1	9/12/2006	2 - 12 in	N	< 0.35	< 0.35	< 1.7	< 0.35	--	< 0.35	< 0.69	--	< 0.35	< 0.35	--	< 0.35	< 0.35	--	< 1.7
RM-4-1	5/14/2009	3 - 4 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-4-1	5/14/2009	5 - 6 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-5-2	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.68	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
			FD	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.68	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-5-2	9/12/2006	2 - 12 in	N	< 0.36	< 0.36	< 1.8	< 0.36	--	< 0.36	< 0.71	--	< 0.36	< 0.36	--	< 0.36	< 0.36	--	< 1.8
			FD	< 0.36	< 0.36	< 1.8	< 0.36	--	< 0.36	< 0.72	--	< 0.36	< 0.36	--	< 0.36	< 0.36	--	< 1.8
RM-5-2	5/14/2009	2 - 3 ft	N	< 0.010	< 0.0099 R	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-5-2	5/14/2009	4 - 5 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-6-1	9/13/2006	0 - 2 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.67	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-6-1	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.68	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-6-1	5/14/2009	6.5 - 7.5 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-6-1	5/14/2009	8.5 - 9.5 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-7-2	9/13/2006	0 - 2 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.67	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-7-2	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.68	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-7-2	5/14/2009	6 - 7 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-7-2	5/14/2009	8 - 9 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-8-3	9/13/2006	0 - 2 in	N	< 0.35	< 0.35	< 1.8	< 0.35	--	< 0.35	< 0.70	--	< 0.35	< 0.35	--	< 0.35	< 0.35	--	< 1.8
RM-8-3	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	< 1.7	< 0.34	--	< 0.34	< 0.69	--	< 0.34	< 0.34	--	< 0.34	< 0.34	--	< 1.7
RM-8-7	6/2/2009	0 - 2 in	N	< 0.010	< 0.0099 R	< 0.15 R	**0.029 J**	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-8-7	6/2/2009	2 - 12 in	N	< 0.010	< 0.0099 R	< 0.15 R	**0.019 J**	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-8-7	5/15/2009	5 - 6 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-8-7	5/15/2009	7 - 8 ft	N	< 0.010	< 0.0099	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-9-1	5/19/2009	0 - 2 in	N	< 0.010	< 0.0099	< 0.15	**0.025 J**	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017	< 0.015	--	< 0.016	< 0.18	< 0.15
			FD	< 0.010	< 0.0099 R	< 0.15 R	**0.025 J**	< 0.017	< 0.014 R	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15 R
RM-9-1	5/19/2009	2 - 12 in	N	< 0.010	< 0.0099 R	< 0.15	< 0.011	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-10-5	5/19/2009	0 - 2 in	N	< 0.010	< 0.0099 R	< 0.15 R	**0.067 J**	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15
RM-10-5	5/19/2009	2 - 12 in	N	< 0.010	< 0.0099 R	< 0.15 R	**0.020 J**	< 0.017	< 0.014	< 0.027	< 0.18	< 0.013	< 0.017 R	< 0.015	--	< 0.016	< 0.18	< 0.15

Table 5.5.6-3
Soil Data - SVOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name				Acenaphthene	Acenaphthylene	Anthracene	Azobenzene	Benzidine	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Benzoic Acid	Benzyl alcohol	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl)ether	Bis(2-chloroisopropyl)ether	Bis(2-ethylhexyl)phthalate
Location ID	**Sample Date**	**Depth**	**Sample Type**																
RM-1-2	9/12/2006	0 - 2 in	N	< 0.34	**0.37**	**0.59**	< 0.34	< 0.67	**1.6**	**1.5**	**2.1**	**1.4**	**0.99**	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-1-2	9/12/2006	2 - 12 in	N	< 0.36	< 0.36	< 0.36	< 0.36	< 0.73	**0.19 J**	**0.19 J**	**0.37**	**0.19 J**	**0.10 J**	--	--	< 0.36	< 0.36	< 0.36	< 0.36
RM-1-2	5/13/2009	2 - 3 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-1-2	5/13/2009	4 - 5 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-2-3	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.67	< 0.34	**0.071 J**	**0.13 J**	**0.077 J**	**0.071 J**	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-2-3	9/12/2006	2 - 12 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.69	**0.17 J**	**0.24 J**	**0.38**	**0.19 J**	**0.15 J**	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-2-7	6/2/2009	0 - 2 in	N	< 0.014	**0.017 J**	**0.048 J**	--	< 0.42 R	**0.16 J**	**0.19 J**	**0.24 J**	**0.17 J**	**0.094 J**	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-2-7	6/2/2009	2 - 12 in	N	< 0.014	< 0.016	**0.027 J**	--	< 0.42 R	**0.11 J**	**0.12 J**	**0.17 J**	**0.13 J**	**0.069 J**	< 0.14 R	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-2-7	5/13/2009	2 - 3 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-2-7	5/13/2009	4 - 5 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-3-3	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.67	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-3-3	9/12/2006	2 - 12 in	N	< 0.35	< 0.35	< 0.35	< 0.35	< 0.70	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	--	--	< 0.35	< 0.35	< 0.35	< 0.35
RM-3-3	5/13/2009	3 - 4 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-3-3	5/13/2009	5 - 6 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-4-1	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.67	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-4-1	9/12/2006	2 - 12 in	N	< 0.35	< 0.35	< 0.35	< 0.35	< 0.69	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	--	--	< 0.35	< 0.35	< 0.35	< 0.35
RM-4-1	5/14/2009	3 - 4 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-4-1	5/14/2009	5 - 6 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-5-2	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	--	< 0.34	< 0.34	< 0.34	< 0.34
			FD	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-5-2	9/12/2006	2 - 12 in	N	< 0.36	< 0.36	< 0.36	< 0.36	< 0.71	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	--	--	< 0.36	< 0.36	< 0.36	< 0.36
			FD	< 0.36	< 0.36	< 0.36	< 0.36	< 0.72	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	--	--	< 0.36	< 0.36	< 0.36	< 0.36
RM-5-2	5/14/2009	2 - 3 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-5-2	5/14/2009	4 - 5 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-6-1	9/13/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.67	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-6-1	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-6-1	5/14/2009	6.5 - 7.5 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14 R	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-6-1	5/14/2009	8.5 - 9.5 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-7-2	9/13/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.67	< 0.34	< 0.34	**0.078 J**	< 0.34	< 0.34	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-7-2	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34	**0.13 J**	**0.063 J**	**0.055 J**	--	--	< 0.34	< 0.34	< 0.34	**0.17 J**
RM-7-2	5/14/2009	6 - 7 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-7-2	5/14/2009	8 - 9 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-8-3	9/13/2006	0 - 2 in	N	< 0.35	< 0.35	< 0.35	< 0.35	< 0.70	**0.14 J**	**0.14 J**	**0.27 J**	**0.14 J**	**0.13 J**	--	--	< 0.35	< 0.35	< 0.35	< 0.35
RM-8-3	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.69	**0.093 J**	**0.097 J**	**0.18 J**	**0.095 J**	**0.065 J**	--	--	< 0.34	< 0.34	< 0.34	< 0.34
RM-8-7	6/2/2009	0 - 2 in	N	< 0.014	**0.018 J**	**0.055 J**	--	< 0.42 R	**0.23 J**	**0.22 J**	**0.47**	**0.18 J**	**0.18 J**	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-8-7	6/2/2009	2 - 12 in	N	< 0.014	< 0.016	**0.019 J**	--	< 0.42 R	**0.072 J**	**0.083 J**	**0.20 J**	**0.10 J**	**0.044 J**	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-8-7	5/15/2009	5 - 6 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-8-7	5/15/2009	7 - 8 ft	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	< 0.013	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-9-1	5/19/2009	0 - 2 in	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	**0.025 J**	**0.027 J**	**0.049 J**	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
			FD	< 0.014	< 0.016	< 0.014	--	< 0.42 R	**0.026 J**	**0.031 J**	**0.046 J**	**0.024 J**	< 0.020	< 0.14 R	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-9-1	5/19/2009	2 - 12 in	N	< 0.014	< 0.016	< 0.014	--	< 0.42 R	**0.016 J**	< 0.020	< 0.018	< 0.021	< 0.020	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-10-5	5/19/2009	0 - 2 in	N	< 0.014	**0.018 J**	**0.054 J**	--	< 0.42 R	**0.16 J**	**0.16 J**	**0.31**	**0.20 J**	**0.13 J**	< 0.14 R	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019
RM-10-5	5/19/2009	2 - 12 in	N	< 0.014	< 0.016	**0.024 J**	--	< 0.42 R	**0.095 J**	**0.17 J**	**0.28**	**0.17 J**	**0.093 J**	< 0.14	< 0.017	< 0.011	< 0.012	< 0.015	< 0.019

Table 5.5.6-3
Soil Data - SVOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name				Butyl benzyl phthalate	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-cd)pyrene
Location ID	Sample Date	Depth	Sample Type																
RM-1-2	9/12/2006	0 - 2 in	N	< 0.34	--	**1.7**	**0.61**	--	< 0.34	< 0.34	< 0.34	< 0.34	**3.1**	**0.19 J**	< 0.34	< 0.34	< 0.67	< 0.34	**1.9**
RM-1-2	9/12/2006	2 - 12 in	N	< 0.36	--	**0.21 J**	< 0.36	--	< 0.36	< 0.36	< 0.36	< 0.36	**0.33 J**	< 0.36	< 0.36	< 0.36	< 0.73	< 0.36	**0.41**
RM-1-2	5/13/2009	2 - 3 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-1-2	5/13/2009	4 - 5 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	**0.024 J**	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-2-3	9/12/2006	0 - 2 in	N	< 0.34	--	**0.095 J**	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	**0.094 J**	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	**0.19 J**
RM-2-3	9/12/2006	2 - 12 in	N	< 0.34	--	**0.25 J**	**0.055 J**	--	< 0.34	< 0.34	< 0.34	< 0.34	**0.19 J**	< 0.34	< 0.34	< 0.34	< 0.69	< 0.34	**0.39**
RM-2-7	6/2/2009	0 - 2 in	N	< 0.017	**0.026 J**	**0.20 J**	**0.041 J**	**0.026 J**	< 0.015	< 0.017	< 0.013	< 0.024	**0.20 J**	**0.016 J**	< 0.015	< 0.015	< 0.013	< 0.022	**0.14 J**
RM-2-7	6/2/2009	2 - 12 in	N	< 0.017	**0.021 J**	**0.13 J**	**0.040 J**	**0.015 J**	< 0.015	< 0.017	< 0.013	< 0.024	**0.14 J**	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	**0.10 J**
RM-2-7	5/13/2009	2 - 3 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-2-7	5/13/2009	4 - 5 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-3-3	9/12/2006	0 - 2 in	N	< 0.34	--	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34
RM-3-3	9/12/2006	2 - 12 in	N	< 0.35	--	< 0.35	< 0.35	--	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.71	< 0.35	< 0.35
RM-3-3	5/13/2009	3 - 4 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-3-3	5/13/2009	5 - 6 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-4-1	9/12/2006	0 - 2 in	N	< 0.34	--	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34
RM-4-1	9/12/2006	2 - 12 in	N	< 0.35	--	< 0.35	< 0.35	--	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.70	< 0.35	< 0.35
RM-4-1	5/14/2009	3 - 4 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-4-1	5/14/2009	5 - 6 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-5-2	9/12/2006	0 - 2 in	N	< 0.34	--	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34
			FD	< 0.34	--	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34
RM-5-2	9/12/2006	2 - 12 in	N	< 0.36	--	< 0.36	< 0.36	--	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.72	< 0.36	< 0.36
			FD	< 0.36	--	< 0.36	< 0.36	--	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.73	< 0.36	< 0.36
RM-5-2	5/14/2009	2 - 3 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	**0.013 J**	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-5-2	5/14/2009	4 - 5 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-6-1	9/13/2006	0 - 2 in	N	< 0.34	--	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	< 0.34
RM-6-1	9/13/2006	2 - 12 in	N	< 0.34	--	< 0.34	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.69	< 0.34	**0.070 J**
RM-6-1	5/14/2009	6.5 - 7.5 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-6-1	5/14/2009	8.5 - 9.5 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-7-2	9/13/2006	0 - 2 in	N	< 0.34	--	**0.046 J**	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.68	< 0.34	**0.11 J**
RM-7-2	9/13/2006	2 - 12 in	N	< 0.34	--	**0.059 J**	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.69	< 0.34	**0.16 J**
RM-7-2	5/14/2009	6 - 7 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-7-2	5/14/2009	8 - 9 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-8-3	9/13/2006	0 - 2 in	N	< 0.35	--	**0.17 J**	< 0.35	--	< 0.35	< 0.35	< 0.35	< 0.35	**0.21 J**	< 0.35	< 0.35	< 0.35	< 0.71	< 0.35	**0.32 J**
RM-8-3	9/13/2006	2 - 12 in	N	< 0.34	--	**0.099 J**	< 0.34	--	< 0.34	< 0.34	< 0.34	< 0.34	**0.11 J**	< 0.34	< 0.34	< 0.34	< 0.69	< 0.34	**0.23 J**
RM-8-7	6/2/2009	0 - 2 in	N	< 0.017	**0.037 J**	**0.41**	**0.059 J**	**0.025 J**	< 0.015	< 0.017	< 0.013	< 0.024	**0.23 J**	**0.019 J**	< 0.015	< 0.015	< 0.013	< 0.022	**0.19 J**
RM-8-7	6/2/2009	2 - 12 in	N	< 0.017	**0.013 J**	**0.12 J**	**0.037 J**	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	**0.059 J**	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	**0.11 J**
RM-8-7	5/15/2009	5 - 6 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-8-7	5/15/2009	7 - 8 ft	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	< 0.012	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-9-1	5/19/2009	0 - 2 in	N	< 0.017	**0.015 J**	**0.047 J**	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	**0.033 J**	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
			FD	< 0.017	**0.016 J**	**0.029 J**	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	**0.033 J**	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-9-1	5/19/2009	2 - 12 in	N	< 0.017	< 0.012	< 0.012	< 0.028	< 0.012	< 0.015	< 0.017	< 0.013	< 0.024	**0.015 J**	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	< 0.039
RM-10-5	5/19/2009	0 - 2 in	N	< 0.017	**0.037 J**	**0.30**	**0.057 J**	**0.052 J**	< 0.015	< 0.017	< 0.013	< 0.024	**0.23 J**	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	**0.20 J**
RM-10-5	5/19/2009	2 - 12 in	N	< 0.017	**0.019 J**	**0.15 J**	**0.048 J**	**0.013 J**	< 0.015	< 0.017	< 0.013	< 0.024	**0.084 J**	< 0.013	< 0.015	< 0.015	< 0.013	< 0.022	**0.18 J**

Table 5.5.6-3
Soil Data - SVOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

			Chemical Name	Isophorone	Naphthalene	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodi-n-propylamine	N-Nitrosodiphenylamine	o-Cresol	p & m Cresol	p-Cresol	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Location ID	Sample Date	Depth	Sample Type														
RM-1-2	9/12/2006	0 - 2 in	N	< 0.34	**0.55**	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	**2.2**	< 0.34	**2.3**	< 0.34
RM-1-2	9/12/2006	2 - 12 in	N	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	--	< 1.8	**0.15 J**	< 0.36	**0.28 J**	< 0.36
RM-1-2	5/13/2009	2 - 3 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020
RM-1-2	5/13/2009	4 - 5 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020
RM-2-3	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	**0.093 J**	< 0.34
RM-2-3	9/12/2006	2 - 12 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	**0.13 J**	< 0.34	**0.20 J**	< 0.34
RM-2-7	6/2/2009	0 - 2 in	N	< 0.014	**0.058 J**	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	**0.17 J**	< 0.020	**0.22 J**	< 0.020
RM-2-7	6/2/2009	2 - 12 in	N	< 0.014	**0.037 J**	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017 R	--	< 0.017 R	< 0.13 R	**0.12 J**	< 0.020	**0.14 J**	< 0.020
RM-2-7	5/13/2009	2 - 3 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020
RM-2-7	5/13/2009	4 - 5 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020
RM-3-3	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34
RM-3-3	9/12/2006	2 - 12 in	N	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	--	< 1.8	< 0.35	< 0.35	**0.057 J**	< 0.35
RM-3-3	5/13/2009	3 - 4 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020 J
RM-3-3	5/13/2009	5 - 6 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020 J
RM-4-1	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34
RM-4-1	9/12/2006	2 - 12 in	N	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	--	< 1.7	< 0.35	< 0.35	< 0.35	< 0.35
RM-4-1	5/14/2009	3 - 4 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020 J
RM-4-1	5/14/2009	5 - 6 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020 J
RM-5-2	9/12/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34
			FD	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34
RM-5-2	9/12/2006	2 - 12 in	N	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	--	< 1.8	< 0.36	< 0.36	< 0.36	< 0.36
			FD	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	--	< 1.8	< 0.36	< 0.36	< 0.36	< 0.36
RM-5-2	5/14/2009	2 - 3 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	**0.016 J**	< 0.020	**0.015 J**	< 0.020 J
RM-5-2	5/14/2009	4 - 5 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020 J
RM-6-1	9/13/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34
RM-6-1	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	**0.071 J**	< 0.34
RM-6-1	5/14/2009	6.5 - 7.5 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020 J
RM-6-1	5/14/2009	8.5 - 9.5 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020 J
RM-7-2	9/13/2006	0 - 2 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	< 0.34	< 0.34
RM-7-2	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	**0.064 J**	< 0.34
RM-7-2	5/14/2009	6 - 7 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020 J
RM-7-2	5/14/2009	8 - 9 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020 J
RM-8-3	9/13/2006	0 - 2 in	N	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	--	< 1.8	**0.14 J**	< 0.35	**0.20 J**	< 0.35
RM-8-3	9/13/2006	2 - 12 in	N	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	--	< 1.7	< 0.34	< 0.34	**0.11 J**	< 0.34
RM-8-7	6/2/2009	0 - 2 in	N	< 0.014	**0.044 J**	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13 R	**0.18 J**	< 0.020	**0.18 J**	< 0.020
RM-8-7	6/2/2009	2 - 12 in	N	< 0.014	**0.016 J**	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13 R	**0.10 J**	< 0.020	**0.056 J**	< 0.020
RM-8-7	5/15/2009	5 - 6 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020
RM-8-7	5/15/2009	7 - 8 ft	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	< 0.010	< 0.020	< 0.014	< 0.020
RM-9-1	5/19/2009	0 - 2 in	N	< 0.014	**0.022 J**	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	**0.061 J**	< 0.020	**0.047 J**	< 0.020
			FD	< 0.014	**0.018 J**	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017 R	--	< 0.017 R	< 0.13 R	**0.047 J**	< 0.020 R	**0.036 J**	< 0.020
RM-9-1	5/19/2009	2 - 12 in	N	< 0.014	< 0.015	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13	**0.016 J**	< 0.020	**0.014 J**	< 0.020
RM-10-5	5/19/2009	0 - 2 in	N	< 0.014	**0.11 J**	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13 R	**0.21 J**	< 0.020	**0.25 J**	< 0.020
RM-10-5	5/19/2009	2 - 12 in	N	< 0.014	**0.027 J**	< 0.027	< 0.026	< 0.020	< 0.018	< 0.017	--	< 0.017	< 0.13 R	**0.062 J**	< 0.020	**0.11 J**	< 0.020

Table 5.5.6-4
Soil Data - VOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

			Chemical Name	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloro-1-propene	1,1-Dichloroethane	1,1-Dichloroethylene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane
Location ID	Sample Date	Depth	Sample Type													
RM-5-2	9/12/2006	0 - 2 in	FD	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
		2 - 12 in	FD	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18

Table 5.5.6-4
Soil Data - VOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name				1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethylene, cis	1,2-Dichloroethylene, trans	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichloro-1-propene, cis	1,3-Dichloro-1-propene, trans	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Chloroethyl vinyl ether
Location ID	Sample Date	Depth	Sample Type													
RM-5-2	9/12/2006	0 - 2 in	FD	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
		2 - 12 in	FD	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18

Table 5.5.6-4
Soil Data - VOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name				2-Hexanone	Acetone	Acrolein	Acrylonitrile	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Butyl benzene	Butylbenzene, sec	Butylbenzene, tert	Carbon disulfide	Carbon tetrachloride	Chlorobenzene
Location ID	Sample Date	Depth	Sample Type																
RM-5-2	9/12/2006	0 - 2 in	FD	< 7.3	< 7.3	< 7.3 R	< 7.3 R	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
		2 - 12 in	FD	< 3.7	< 3.7	< 3.7 R	< 3.7 R	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18

Table 5.5.6-4
Soil Data - VOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name				Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Chlorotoluene o-	Chlorotoluene p-	Cumene (isopropyl benzene)	Cymene p- (Toluene isopropyl p-)	Dibromomethane (methylene bromide)	Dichlorodifluoromethane (CFC-12)	Ethyl benzene	Hexachlorobutadiene	Iodomethane	Methyl ethyl ketone
Location ID	Sample Date	Depth	Sample Type														
RM-5-2	9/12/2006	0 - 2 in	FD	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 7.3
		2 - 12 in	FD	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 3.7

Table 5.5.6-4
Soil Data - VOCs
SWMU 6
Rhodia Silver Bow Plant
[concentrations in mg/kg]

Chemical Name				Methyl isobutyl ketone	Methyl tertiary butyl ether (MTBE)	Methylene chloride	Naphthalene	Propylbenzene	Styrene	Tetrachloroethylene	Toluene	Trichloroethylene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride	Xylene, m & p	Xylene, o	Xylenes, total
Location ID	Sample Date	Depth	Sample Type															
RM-5-2	9/12/2006	0 - 2 in	FD	< 7.3	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
		2 - 12 in	FD	< 3.7	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18

Table 5.5.6-5
Soil Data - Radionuclides
SWMU 6
Rhodia Silver Bow Plant
[concentrations in pCi/g]

			Chemical Name	Lead 210	Radium 226	Thorium 230	Thorium 232	Uranium 234	Uranium 235	Uranium 238
			Background Mean, Exceedances **Bold**		**3.6**	**0.960**		**0.730**		**0.780**
			Background Maximum, Exceedances Underline		12	3.4		2.8		2.7
			Background 95% UCL, Exceedances *Italic*		*5.0*	*1.7*		*1.6*		*1.6*
Location ID	**Sample Date**	**Depth**	**Sample Type**							
ORE2	1/1/1999		N	--	***18 +/- 0.83***	--	0.62 +/- 0.81	--	--	***45 +/- 41.00***
ORE3	1/1/1999		N	--	***17 +/- 0.96***	--	0.68 +/- 1.00	--	--	***66 +/- 39.00***
ORE4	1/1/1999		N	--	***30 +/- 0.94***	--	0.44 +/- 0.91	--	--	***69 +/- 49.00***
RM-1-2	9/12/2006	0 - 2 in	N	16 +/- 0.5	***20.2 +/- 2.4***	***18 +/- 2.2***	--	***15 +/- 3.5***	--	***19 +/- 3.8***
RM-1-2	9/12/2006	2 - 12 in	N	19 +/- 0.5	***21.1 +/- 2.6***	***26 +/- 2.6***	--	***22 +/- 3.9***	--	***28 +/- 4.2***
RM-1-2	5/13/2009	2 - 3 ft	N	< 4.3 +/- 1.4	3.3 +/- 0.86	0.64 +/- 0.41	--	**1 +/- 0.37**	0.22 +/- 0.19	0.78 +/- 0.3
RM-1-2	5/13/2009	4 - 5 ft	N	< 5.1 +/- 1.6	3.1 +/- 0.84	0.81 +/- 0.38	--	**1.1 +/- 0.37**	0.30 +/- 0.23	**0.84 +/- 0.33**
RM-2-3	9/12/2006	0 - 2 in	N	18 +/- 0.5	***29.9 +/- 3.4***	***25 +/- 2.5***	--	***21 +/- 3.9***	--	***24 +/- 4.1***
RM-2-3	9/12/2006	2 - 12 in	N	13 +/- 0.4	***20.4 +/- 2.4***	***14 +/- 2.2***	--	***17 +/- 3.9***	--	***16 +/- 3.6***
RM-2-7	6/2/2009	0 - 2 in	N	18 +/- 1.7	***24 +/- 2.3***	***25 +/- 1.8***	--	***27 +/- 1.9***	1.3 +/- 0.42	***29.9 +/- 2***
RM-2-7	6/2/2009	2 - 12 in	N	13 +/- 2.4	***27 +/- 2.3***	***26 +/- 2***	--	***21 +/- 1.6***	0.8 +/- 0.33	***23.6 +/- 1.7***
RM-2-7	5/13/2009	2 - 3 ft	N	< 4.7 +/- 1.4	**4.5 +/- 1.1**	0.84 +/- 0.3	--	0.69 +/- 0.33	0.25 +/- 0.18	**0.93 +/- 0.33**
RM-2-7	5/13/2009	4 - 5 ft	N	< 4.7 +/- 1.4	**4.9 +/- 1.3**	0.96 +/- 0.38	--	0.73 +/- 0.45	0.24 +/- 0.23	0.73 +/- 0.31
RM-3-3	9/12/2006	0 - 2 in	N	13 +/- 0.5	***27.7 +/- 3.2***	***25 +/- 2.5***	--	***26 +/- 4.1***	--	***26 +/- 4.0***
RM-3-3	9/12/2006	2 - 12 in	N	14 +/- 0.5	***24.5 +/- 3.0***	***27 +/- 2.6***	--	***24 +/- 3.5***	--	***25 +/- 3.5***
RM-3-3	5/13/2009	3 - 4 ft	N	< 5.9 +/- 1.8	***7.3 +/- 1.6***	***2.7 +/- 0.61***	--	**1.2 +/- 0.57**	< 0.34 +/- 0.32	0.56 +/- 0.37
RM-3-3	5/13/2009	5 - 6 ft	N	< 5 +/- 1.5	3 +/- 0.85	0.85 +/- 0.36	--	0.51 +/- 0.31	< 0.21 +/- 0.14	0.47 +/- 0.25
RM-3-7	6/2/2009	3 - 4 ft	N	< 6 +/- 1.7	3.4 +/- 0.91	< 0.61 +/- 0.32	--	**1.5 +/- 0.46**	0.22 +/- 0.23	**1.31 +/- 0.42**
RM-3-8	6/2/2009	2.5 - 3.2 ft	N	< 6 +/- 1.8	***6.7 +/- 1.3***	< 0.64 +/- 0.39	--	***1.6 +/- 0.47***	0.32 +/- 0.2	**1.1 +/- 0.36**
RM-4-1	9/12/2006	0 - 2 in	N	33 +/- 0.7	***36.4 +/- 4.1***	***41 +/- 3.8***	--	***34 +/- 6.3***	--	***29 +/- 5.6***
RM-4-1	9/12/2006	2 - 12 in	N	30 +/- 0.6	***36.3 +/- 4.1***	***34 +/- 3.4***	--	***33 +/- 4.2***	--	***39 +/- 4.6***
RM-4-1	5/14/2009	3 - 4 ft	N	< 4.2 +/- 1.3	**4.9 +/- 1.1**	0.84 +/- 0.39	--	0.53 +/- 0.44	< 0.27 +/- 0.24	**0.95 +/- 0.41**
RM-4-1	5/14/2009	5 - 6 ft	N	< 4.1 +/- 1.3	3.3 +/- 0.76	0.7 +/- 0.34	--	**0.91 +/- 0.42**	< 0.27 +/- 0.2	0.74 +/- 0.33
RM-4-7	6/2/2009	2 - 3 ft	N	< 6.8 +/- 2	**4.6 +/- 1.1**	< 0.61 +/- 0.35	--	**0.93 +/- 0.36**	< 0.2 +/- 0.13	**0.79 +/- 0.3**
RM-5-2	9/12/2006	0 - 2 in	N	32 +/- 0.7	***34.4 +/- 4.0***	***38 +/- 3.3***	--	***43 +/- 5.3***	--	***40 +/- 5.1***
			FD	33 +/- 0.7	***34.7 +/- 4.0***	***39 +/- 3.2***	--	***38 +/- 4.5***	--	***38 +/- 4.5***
RM-5-2	9/12/2006	2 - 12 in	N	27 +/- 0.7	***34.2 +/- 4.0***	***34 +/- 3.0***	--	***40 +/- 5.3***	--	***45 +/- 5.5***
			FD	30 +/- 0.7	***38.8 +/- 1.8***	***36 +/- 3.2***	--	***34 +/- 4.8***	--	***38 +/- 5.0***
RM-5-2	5/14/2009	2 - 3 ft	N	< 4.3 +/- 1.4	**3.8 +/- 0.82**	**1.3 +/- 0.43**	--	**1.1 +/- 0.48**	< 0.35 +/- 0.24	**0.85 +/- 0.44**
RM-5-2	5/14/2009	4 - 5 ft	N	< 4.9 +/- 1.6	3.3 +/- 0.77	**1.4 +/- 0.5**	--	**0.98 +/- 0.37**	< 0.21 +/- 0.14	**0.98 +/- 0.33**
RM-6-1	9/13/2006	0 - 2 in	N	1.1 +/- 0.2	1.4 +/- 0.2	0.6 +/- 0.4	--	< 0.2	--	< 0.2
RM-6-1	9/13/2006	2 - 12 in	N	1.1 +/- 0.2	1.1 +/- 0.2	0.9 +/- 0.5	--	< 0.2	--	< 0.2
RM-6-1	5/14/2009	6.5 - 7.5 ft	N	< 5.3 +/- 1.7	**3.8 +/- 0.84**	***1.9 +/- 0.49***	--	***1.7 +/- 0.59***	0.54 +/- 0.31	***1.99 +/- 0.59***
RM-6-1	5/14/2009	8.5 - 9.5 ft	N	< 4.7 +/- 1.4	3.1 +/- 0.78	0.83 +/- 0.38	--	0.56 +/- 0.37	< 0.27 +/- 0.15	0.66 +/- 0.3
RM-7-2	9/13/2006	0 - 2 in	N	25 +/- 0.6	***35.2 +/- 1.7***	***33 +/- 3.1***	--	***38 +/- 4.6***	--	***38 +/- 4.6***
RM-7-2	9/13/2006	2 - 12 in	N	23 +/- 0.6	***29.9 +/- 1.4***	***28 +/- 2.7***	--	***30 +/- 4.9***	--	***28 +/- 4.8***
RM-7-2	5/14/2009	6 - 7 ft	N	< 5.2 +/- 1.6	2.5 +/- 0.67	< 0.52 +/- 0.31	--	0.2 +/- 0.36	< 0.19 +/- 0.16	0.69 +/- 0.29
RM-7-2	5/14/2009	8 - 9 ft	N	< 4.4 +/- 1.4	2.8 +/- 0.73	0.56 +/- 0.35	--	**0.81 +/- 0.39**	< 0.25 +/- 0.19	0.57 +/- 0.33
RM-8-3	9/13/2006	0 - 2 in	N	20 +/- 0.6	***33.3 +/- 1.7***	***25 +/- 2.5***	--	***20 +/- 3.6***	--	***24 +/- 3.9***
RM-8-3	9/13/2006	2 - 12 in	N	7.9 +/- 0.4	***15.1 +/- 0.7***	***12 +/- 1.6***	--	***20 +/- 3.5***	--	***19 +/- 3.3***
RM-8-7	6/2/2009	0 - 2 in	N	11 +/- 1.8	***14 +/- 1.8***	***9.8 +/- 1.1***	--	***9.2 +/- 0.94***	0.39 +/- 0.19	***9.21 +/- 0.94***
RM-8-7	6/2/2009	2 - 12 in	N	31 +/- 2	***15 +/- 1.8***	***16 +/- 1.6***	--	***17 +/- 1.4***	0.94 +/- 0.34	***17.5 +/- 1.4***
RM-8-7	5/15/2009	5 - 6 ft	N	< 5.7 +/- 1.7	**4.7 +/- 1.3**	0.77 +/- 0.36	--	0.52 +/- 0.39	< 0.3 +/- 0.18	0.67 +/- 0.35
RM-8-7	5/15/2009	7 - 8 ft	N	< 3.8 +/- 1.2	1.9 +/- 0.65	0.94 +/- 0.4	--	**0.95 +/- 0.36**	< 0.2 +/- 0.17	**0.9 +/- 0.3**
RM-9-1	5/19/2009	0 - 2 in	N	30 +/- 2.4	***41 +/- 3.3***	***30 +/- 1.9***	--	***35 +/- 2.3***	2.5 +/- 0.62	***32.7 +/- 2.2***
			FD	32 +/- 2.2	***45 +/- 3.4***	***37 +/- 2.4***	--	***34 +/- 2.2***	2 +/- 0.6 J	***34.1 +/- 2.2***
RM-9-1	5/19/2009	2 - 12 in	N	30 +/- 2.6	***40 +/- 2.9***	***37 +/- 2.3***	--	***35 +/- 2.4***	1.6 +/- 0.56	***36.6 +/- 2.5***
RM-10-5	5/19/2009	0 - 2 in	N	18 +/- 2.1	***26 +/- 2.3***	***21 +/- 1.6***	--	***21 +/- 1.7***	1.4 +/- 0.49	***20.2 +/- 1.6***
RM-10-5	5/19/2009	2 - 12 in	N	25 +/- 2	***19 +/- 2.3***	***16 +/- 1.4***	--	***12 +/- 1.4***	0.8 +/- 0.37	***11 +/- 1.3***

Figures

6. RAW MATERIALS AREA

SMWU 6
Other SWMUs
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures
Property Boundary
Fence Line

N

Feet
750 0 750

Figure 5.5.6-1a

SWMU 6 LOCATION
Rhodia Silver Bow Plant
Montana

MW-EPA-3
24. DISCHARGE PIPE AREA
22. SLAG GRANULATION WATER & TEMPORARY RETENTION DITCH AREA
MW-06-14
MW-97-12
RM-10-3
RM-10-5
MW-06-15
RM-10-6
RM-10-2
RM-10-1
RM-9-2
RP-W-1A
RP-W-1
RM-9-6
RM-9-3
RM-9-1
RM-6-6
RM-9-5
RM-9-4
RM-6-2
MW-06-18
RM-8-1
RM-8-6
RM-8-3
RM-8-5
RM-8-4
RM-8-2
RM-8-7
RM-7-4
RM-7-1
RM-7-3
RM-7-6
RM-7-5
RM-10-4
RM-6-5
RM-7-2
RM-6-3
RM-6-1
RM-6-4
RM-5-1
RM-5-3
RM-5-4
8
7
10
9
6
5
26. FERROPHOSPHORUS AREA
6. RAW MATERIALS AREA
23. SEPTIC TANKS & SEPTIC DRAIN FIELD
MW-06-16
MW-06-17
27. FINAL PUMP STATION
21. TRANSFORMER STORAGE AREA
MW-06-20
MW-06-19
RM-5-2
RM-5-5
RM-5-6
RM-4-4
RM-4-2
RM-4-3
RM-4-1
RM-4-6
RP-W-7
RM-4-5
RM-4-7
4
RP-W-3
CS-6
CS-5
CS-2
CS-1
CS-3
CS-4
10. COAL STOCKPILE AREA
MW-02-1
7. ELEMENTAL PHOSPHORUS PRODUCTION AREA
20. SCRAP STEEL AND EQUIPMENT BURIAL AREA
MW-02-2
MW-01-6
MW-01-3
2. CLARIFIER
RM-3-4
RM-3-5
RM-3-3
RM-3-7
RM-3-1
RM-3-8
MW-01-2
MW-06-22
11. CRUDE PHOSPHORUS BURIAL AREA
3
1. TAILINGS BASIN & WATER RECIRCULATION SYSTEM
25. CONTAINMENT PAD AREA
MW-97-7
MW-06-25
16. BURIED PRECIPITATOR DUST PANS AREA
RM-3-6
RM-2-3
RM-2-7
RM-2-1
RM-2-4
RM-2-6
RM-2-2
MW-97-6
15. PRECIPITATOR DUST BURIAL AREAS
RP-W-2A
RP-W-2
25. USED PUMP BARRELS AREA
MW-01-4
MW-01-5
RM-2-5
2
17. REMOVED PRECIPITATOR DUST PANS
4. USED CARBON BLOCKS, FLOOR LOGS AND FURNACE LINER PILE
3. USED CARBON BRICK AND FURNACE LINER PILE
RM-1-1
MW-01-1
RM-1-5
RM-1-6
RM-1-2
1
RM-1-3
RM-1-4
12. COARSE SLAG PILE
14. ROASTER SOLIDS AREA

Barr Footer: ArcGIS 10.0, 2012-12-11 14:17 File: I:\Projects\26\46\006\Gis\Maps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-01b Monitoring Stations and Sample Locations.mxd User: jwk

Monitoring Well
Production Well
Surface Sample
Test Pit
SWMU 6
Other SWMUs
Former Plant Structures
Elevation Contour
Drainage
Railroad
Road

N

Feet
250 0 250

Figure 5.5.6-1b

SWMU 6
MONITORING STATIONS AND SOIL SAMPLE LOCATIONS
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 35 mg/kg J Lab
9/13/2006: < 18 mg/kg Field
5/19/2009: 6.7 mg/kg Lab

RM-7-1
9/13/2006: < 10 mg/kg Field

RM-7-3
9/14/2006: < 14 mg/kg Field

RM-10-3
5/19/2009: 22 mg/kg J Field

RM-10-5
5/19/2009: 9.1 mg/kg Lab
5/19/2009: 21 mg/kg J Field

RM-7-5
9/14/2006: < 11 mg/kg Field

RM-10-4
5/19/2009: < 14 mg/kg Field

RM-10-2
5/19/2009: 18 mg/kg J Field

RM-10-6
5/19/2009: 59.9 mg/kg Lab
5/19/2009: 75 mg/kg Field

RM-10-1
5/19/2009: 21 mg/kg J Field

RM-9-2
5/19/2009: 21 mg/kg J Field

RM-9-3
5/19/2009: 17 mg/kg J Field

RM-9-6
5/19/2009: 14 mg/kg J Field

RM-6-2
9/13/2006: < 9.6 mg/kg Field

RM-9-5
5/19/2009: 16 mg/kg J Field

RM-5-1
9/13/2006: < 10 mg/kg Field

RM-9-4
5/19/2009: 12 mg/kg J Field

RM-5-4
9/13/2006: < 10 mg/kg Field

RM-5-5
9/13/2006: < 9.6 mg/kg Field

RM-4-4
9/13/2006: < 10 mg/kg Field

RM-4-2
9/13/2006: < 9.6 mg/kg Field

RM-4-3
9/13/2006: < 15 mg/kg Field

RM-3-5
9/13/2006: < 8.9 mg/kg Field

RM-3-4
9/13/2006: < 7 mg/kg Field

RM-3-3
9/12/2006: 7 mg/kg J Lab
9/12/2006: < 8.9 mg/kg Field

RM-3-1
9/13/2006: < 7.6 mg/kg Field

RM-3-2
9/13/2006: < 8.9 mg/kg Field

RM-2-5
9/13/2006: < 10 mg/kg Field

RM-1-1
9/14/2006: < 3 mg/kg Field

RM-1-6
9/13/2006: < 10 mg/kg Field

RM-1-2
9/12/2006: 5 mg/kg J Lab
9/12/2006: < 8.3 mg/kg Field

RM-8-7
6/2/2009: 7.8 mg/kg Lab

RM-7-4
9/14/2006: < 11 mg/kg Field

6. RAW MATERIALS AREA

RM-4-5
9/14/2006: < 13 mg/kg Field

RM-4-6
9/13/2006: < 8.3 mg/kg Field

RM-2-6
9/13/2006: < 9.6 mg/kg Field

RM-2-2
9/13/2006: < 8.9 mg/kg Field

RM-1-5
9/13/2006: < 9.6 mg/kg Field

RM-1-3
9/13/2006: < 8.3 mg/kg Field

RM-1-4
9/13/2006: < 8.9 mg/kg Field

RM-8-6
9/14/2006: < 16 mg/kg Field

RM-8-1
9/13/2006: < 18 mg/kg Field

RM-8-5
9/14/2006: < 44 mg/kg Field
5/19/2009: 24.4 mg/kg Lab

RM-7-6
9/14/2006: < 9.6 mg/kg Field

RM-8-4
9/14/2006: < 29 mg/kg Field

RM-8-2
9/14/2006: < 24 mg/kg Field

RM-6-5
9/13/2006: < 12 mg/kg Field

RM-9-1
5/19/2009: 17.1 mg/kg Lab
5/19/2009: 16 mg/kg J Field

RM-7-2
9/13/2006: 17 mg/kg J Lab
9/13/2006: < 13 mg/kg Field

RM-6-1
9/12/2006: < 31 mg/kg Field
9/13/2006: 26 mg/kg J Lab
5/19/2009: 24.1 mg/kg Lab

RM-6-3
9/13/2006: < 11 mg/kg Field

RM-6-6
9/13/2006: < 9.6 mg/kg Field

RM-6-4
9/13/2006: < 23 mg/kg Field

RM-5-3
9/13/2006: < 10 mg/kg Field

RM-5-2
9/12/2006: 16 mg/kg J Lab
9/12/2006: < 10 mg/kg Field

RM-5-6
9/13/2006: < 9.6 mg/kg Field

RM-4-1
9/12/2006: 14 mg/kg J Lab
9/12/2006: < 9.6 mg/kg Field

RM-3-6
9/13/2006: < 8.9 mg/kg Field

RM-2-3
9/12/2006: 8 mg/kg J Lab
9/12/2006: < 10 mg/kg Field

RM-2-7
6/2/2009: 8.1 mg/kg Lab

RM-2-1
9/13/2006: < 10 mg/kg Field

RM-2-4
9/13/2006: < 8.3 mg/kg Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-2

SWMU 6
ARSENIC, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:12 File: I:\Projects\26\46\006\Gis\Maps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-02 Arsenic 0-2.mxd User: KJM

RM-7-1
9/13/2006: < 8.3 mg/kg Field

RM-7-3
9/13/2006: < 11 mg/kg Field

RM-10-3
5/19/2009: 35 mg/kg Field

RM-7-6
9/14/2006: < 9.6 mg/kg Field

RM-10-5
5/19/2009: 18.7 mg/kg Lab
5/19/2009: 34 mg/kg J Field

RM-7-5
9/14/2006: < 10 mg/kg Field

RM-10-4
5/19/2009: 13 mg/kg J Field

RM-10-2
5/19/2009: 18 mg/kg J Field

RM-10-6
5/19/2009: 57.1 mg/kg Lab
5/19/2009: 75 mg/kg Field

RM-10-1
5/19/2009: 25 mg/kg J Field

RM-9-2
5/19/2009: 21 mg/kg J Field

RM-9-1
5/19/2009: 94.4 mg/kg Lab
5/19/2009: 95 mg/kg Field

RM-9-3
5/19/2009: 13 mg/kg J Field

RM-9-6
5/19/2009: 18 mg/kg J Field

RM-9-5
5/19/2009: 12 mg/kg J Field

RM-6-2
9/13/2006: < 9.6 mg/kg Field

RM-9-4
5/19/2009: 19 mg/kg J Field

RM-5-5
9/13/2006: < 5.6 mg/kg Field

RM-4-4
9/13/2006: < 9.6 mg/kg Field

RM-4-2
9/13/2006: < 8.9 mg/kg Field

RM-8-7
6/2/2009: 32.9 mg/kg Lab

RM-7-4
9/14/2006: < 8.9 mg/kg Field

RM-8-3
9/13/2006: 11 mg/kg J Lab
9/13/2006: < 16 mg/kg Field

RM-5-4
9/13/2006: < 10 mg/kg Field

RM-4-3
9/13/2006: < 20 mg/kg Field

RM-4-6
9/13/2006: < 8.3 mg/kg Field

RM-3-5
9/13/2006: < 10 mg/kg Field

RM-3-4
9/13/2006: < 7.6 mg/kg Field

RM-3-3
9/12/2006: 8 mg/kg J Lab
9/12/2006: < 8.9 mg/kg Field

RM-3-1
9/13/2006: < 4.3 mg/kg Field

RM-3-2
9/13/2006: < 8.9 mg/kg Field

RM-2-5
9/13/2006: < 9.6 mg/kg Field

RM-2-2
9/13/2006: < 9.6 mg/kg Field

RM-1-1
9/14/2006: < 7 mg/kg Field

RM-1-6
9/13/2006: < 8.3 mg/kg Field

RM-1-2
9/12/2006: 13 mg/kg J Lab
9/12/2006: < 8.3 mg/kg Field

6. RAW MATERIALS AREA

RM-8-6
9/14/2006: < 14 mg/kg Field

RM-8-1
9/13/2006: < 24 mg/kg Field

RM-8-5
9/14/2006: < 21 mg/kg Field

RM-8-4
9/14/2006: < 19 mg/kg Field

RM-8-2
9/14/2006: < 7.6 mg/kg Field

RM-6-5
9/13/2006: < 12 mg/kg Field

RM-7-2
9/13/2006: 15 mg/kg J Lab
9/13/2006: < 12 mg/kg Field

RM-6-1
9/12/2006: < 25 mg/kg Field
9/13/2006: 23 mg/kg J Lab

RM-6-3
9/13/2006: < 12 mg/kg Field

RM-6-6
9/13/2006: < 9.6 mg/kg Field

RM-6-4
9/13/2006: < 16 mg/kg Field

RM-5-1
9/13/2006: < 12 mg/kg Field

RM-5-3
9/13/2006: < 8.9 mg/kg Field

RM-5-2
9/12/2006: 12 mg/kg J Lab
9/12/2006: < 9.6 mg/kg Field

RM-5-6
9/13/2006: < 8.9 mg/kg Field

RM-4-1
9/12/2006: 10 mg/kg J Lab
9/12/2006: < 10 mg/kg Field

RM-4-5
9/14/2006: < 8.3 mg/kg Field

RM-3-6
9/13/2006: < 7.6 mg/kg Field

RM-2-3
9/12/2006: 11 mg/kg J Lab
9/12/2006: < 8.9 mg/kg Field

RM-2-1
9/13/2006: < 8.9 mg/kg Field

RM-2-4
9/13/2006: < 8.9 mg/kg Field

RM-2-7
6/2/2009: 8.2 mg/kg Lab

RM-2-6
9/13/2006: < 11 mg/kg Field

RM-1-5
9/13/2006: < 10 mg/kg Field

RM-1-3
9/13/2006: < 7.6 mg/kg Field

RM-1-4
9/13/2006: < 6.3 mg/kg Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-3

SWMU 6
ARSENIC, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:13 File: I:\Projects\2646\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-03 Arsenic 2-12.mxd User: KJM

RM-8-7
5/15/2009: 17 mg/kg J Field 5-6 ft
5/15/2009: 12 mg/kg J Field 7-8 ft

RM-7-2
5/14/2009: < 11 mg/kg Field 6-7 ft
5/14/2009: < 11 mg/kg Field 8-9 ft

RM-6-1
5/14/2009: < 12 mg/kg Field 6.5-7.5 ft
5/14/2009: 9 mg/kg J Field 8.5-9.5 ft

RM-5-2
5/14/2009: 32 mg/kg Field 2-3 ft
5/14/2009: 10 mg/kg J Field 4-5 ft

6. RAW MATERIALS AREA

RM-4-1
5/14/2009: < 12 mg/kg Field 3-4 ft
5/14/2009: 10 mg/kg J Field 5-6 ft

RM-4-7
6/2/2009: 5.3 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 3.6 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: 5.3 mg/kg Lab 2.5-3.2 ft

RM-3-3
5/13/2009: 14 mg/kg J Field 3-4 ft
5/13/2009: < 12 mg/kg Field 5-6 ft

RM-2-7
5/13/2009: 12 mg/kg J Field 2-3 ft
5/13/2009: 13 mg/kg J Field 4-5 ft

RM-1-2
5/13/2009: 10 mg/kg J Field 2-3 ft
5/13/2009: 11 mg/kg J Field 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-4

SWMU 6
ARSENIC, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-7-4
9/14/2006: 140 mg/kg J Field

RM-8-3
9/13/2006: 30.2 mg/kg J Lab
9/13/2006: 66 mg/kg J Field

RM-7-1
9/13/2006: 66 mg/kg J Field

RM-7-3
9/14/2006: 62 mg/kg J Field

RM-10-4
5/19/2009: 113 mg/kg Lab
5/19/2009: 120 mg/kg Field

RM-7-6
9/14/2006: 100 mg/kg J Field

RM-8-7
6/2/2009: 26.1 mg/kg Lab

RM-10-2
5/19/2009: 61 mg/kg Field

RM-10-3
5/19/2009: 49 mg/kg Field

RM-8-6
9/14/2006: 76 mg/kg J Field

RM-10-6
5/19/2009: 48 mg/kg Field

RM-7-5
9/14/2006: 100 mg/kg J Field

RM-8-1
9/13/2006: 68 mg/kg J Field

RM-6-5
9/13/2006: 130 mg/kg J Field

RM-10-5
5/19/2009: 35.9 mg/kg Lab
5/19/2009: 46 mg/kg Field

RM-8-5
9/14/2006: 70 mg/kg J Field

RM-10-1
5/19/2009: 9 mg/kg J Field

RM-8-4
9/14/2006: 71 mg/kg J Field

RM-9-2
5/19/2009: 22 mg/kg Field

RM-8-2
9/14/2006: 60 mg/kg J Field

RM-9-1
5/19/2009: 105 mg/kg Lab
5/19/2009: 130 mg/kg Field

RM-7-2
9/13/2006: 67.6 mg/kg J Lab
9/13/2006: 86 mg/kg J Field

RM-9-3
5/19/2009: 25 mg/kg Field

RM-6-1
9/12/2006: 60 mg/kg J Field
9/13/2006: < 0.5 mg/kg J Lab

RM-9-6
5/19/2009: 59 mg/kg Field

RM-6-3
9/13/2006: 92 mg/kg J Field

RM-6-2
9/13/2006: 110 mg/kg J Field

RM-6-6
9/13/2006: 100 mg/kg J Field

RM-9-5
5/19/2009: 18 mg/kg Field

RM-6-4
9/13/2006: 66 mg/kg J Field

RM-9-4
5/19/2009: 59 mg/kg Field

RM-5-1
9/13/2006: 120 mg/kg J Field

RM-5-5
9/13/2006: 99 mg/kg J Field

RM-5-3
9/13/2006: 110 mg/kg J Field

RM-4-4
9/13/2006: 68 mg/kg J Field

RM-5-4
9/13/2006: 110 mg/kg J Field

RM-4-2
9/13/2006: 92 mg/kg J Field

RM-5-2
9/12/2006: 123 mg/kg J Lab
9/12/2006: 120 mg/kg J Field

RM-4-1
9/12/2006: 125 mg/kg J Lab
9/12/2006: 110 mg/kg J Field

RM-5-6
9/13/2006: 130 mg/kg J Field

6. RAW MATERIALS AREA

RM-4-3
9/13/2006: 66 mg/kg J Field

RM-4-5
9/14/2006: 65 mg/kg J Field

RM-3-1
9/13/2006: 55 mg/kg J Field

RM-4-6
9/13/2006: 80 mg/kg J Field

RM-3-4
9/13/2006: 61 mg/kg J Field

RM-3-5
9/13/2006: 63 mg/kg J Field

RM-3-6
9/13/2006: 94 mg/kg J Field

RM-3-3
9/12/2006: 43.8 mg/kg J Lab
9/12/2006: 63 mg/kg J Field

RM-2-3
9/12/2006: 15.6 mg/kg J Lab
9/12/2006: 65 mg/kg J Field

RM-3-2
9/13/2006: 65 mg/kg J Field

RM-2-2
9/13/2006: 110 mg/kg J Field

RM-2-1
9/13/2006: 64 mg/kg J Field

RM-2-5
9/13/2006: 69 mg/kg J Field

RM-2-4
9/13/2006: 65 mg/kg J Field

RM-2-6
9/13/2006: 98 mg/kg J Field

RM-2-7
6/2/2009: 41.7 mg/kg Lab

RM-1-1
9/14/2006: 49 mg/kg J Field

RM-1-5
9/13/2006: 76 mg/kg J Field

RM-1-6
9/13/2006: 61 mg/kg J Field

RM-1-3
9/13/2006: 47 mg/kg J Field

RM-1-2
9/12/2006: 15.8 mg/kg J Lab
9/12/2006: 55 mg/kg J Field

RM-1-4
9/13/2006: 48 mg/kg J Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-5

SWMU 6
CADMIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-7-3
9/13/2006: 57 mg/kg J Field

RM-10-3
5/19/2009: 74.0 mg/kg Lab
5/19/2009: 150 mg/kg Field

RM-7-6
9/14/2006: 120 mg/kg J Field

RM-10-5
5/19/2009: 18.5 mg/kg Lab
5/19/2009: 22 mg/kg Field

RM-7-5
9/14/2006: 110 mg/kg J Field

RM-10-2
5/19/2009: 26 mg/kg Field

RM-10-6
5/19/2009: 1 mg/kg J Field

RM-10-1
5/19/2009: < 0.2 mg/kg Field

RM-9-2
5/19/2009: 4 mg/kg J Field

RM-6-5
9/13/2006: 66 mg/kg J Field

RM-9-6
5/19/2009: 72 mg/kg Field

RM-9-3
5/19/2009: 9 mg/kg J Field

RM-9-5
5/19/2009: < 0.2 mg/kg Field

RM-9-4
5/19/2009: 39 mg/kg Field

RM-6-2
9/13/2006: 69 mg/kg J Field

RM-5-1
9/13/2006: 68 mg/kg J Field

RM-5-4
9/13/2006: 85 mg/kg J Field

RM-5-5
9/13/2006: 59 mg/kg J Field

RM-4-4
9/13/2006: 68 mg/kg J Field

RM-4-3
9/13/2006: 67 mg/kg J Field

RM-4-2
9/13/2006: 110 mg/kg J Field

RM-3-5
9/13/2006: 65 mg/kg J Field

RM-3-4
9/13/2006: 64 mg/kg J Field

RM-3-3
9/12/2006: 46.6 mg/kg J Lab
9/12/2006: 63 mg/kg J Field

RM-3-2
9/13/2006: 63 mg/kg J Field

RM-3-6
9/13/2006: 63 mg/kg J Field

RM-2-5
9/13/2006: 68 mg/kg J Field

RM-1-1
9/14/2006: 59 mg/kg J Field

RM-1-6
9/13/2006: 61 mg/kg J Field

RM-1-2
9/12/2006: 74.1 mg/kg J Lab
9/12/2006: 65 mg/kg J Field

RM-8-3
9/13/2006: 11.8 mg/kg J Lab
9/13/2006: 75 mg/kg J Field

RM-8-6
9/14/2006: 77 mg/kg J Field

RM-1-4
9/13/2006: 57 mg/kg J Field

6. RAW MATERIALS AREA

RM-8-1
9/13/2006: 65 mg/kg J Field

RM-8-5
9/14/2006: 66 mg/kg J Field

RM-8-7
6/2/2009: 47.5 mg/kg Lab

RM-8-4
9/14/2006: 66 mg/kg J Field

RM-8-2
9/14/2006: 59 mg/kg J Field

RM-7-4
9/14/2006: 66 mg/kg J Field

RM-7-1
9/13/2006: 65 mg/kg J Field

RM-10-4
5/19/2009: 90 mg/kg Field

RM-7-2
9/13/2006: 55.8 mg/kg J Lab
9/13/2006: 68 mg/kg J Field

RM-6-3
9/13/2006: 110 mg/kg J Field

RM-9-1
5/19/2009: 19.0 mg/kg J Lab
5/19/2009: 14 mg/kg J Field

RM-6-1
9/12/2006: 60 mg/kg J Field
9/13/2006: < 0.5 mg/kg J Lab

RM-6-6
9/13/2006: 91 mg/kg J Field

RM-6-4
9/13/2006: 66 mg/kg J Field

RM-5-3
9/13/2006: 68 mg/kg J Field

RM-5-2
9/12/2006: 107 mg/kg J Lab
9/12/2006: 110 mg/kg J Field

RM-5-6
9/13/2006: 110 mg/kg J Field

RM-4-5
9/14/2006: 80 mg/kg J Field

RM-4-1
9/12/2006: 125 mg/kg J Lab
9/12/2006: 130 mg/kg J Field

RM-4-6
9/13/2006: 82 mg/kg J Field

RM-3-1
9/13/2006: 56 mg/kg J Field

RM-2-3
9/12/2006: 5.6 mg/kg J Lab
9/12/2006: 65 mg/kg J Field

RM-2-1
9/13/2006: 67 mg/kg J Field

RM-2-4
9/13/2006: 67 mg/kg J Field

RM-2-7
6/2/2009: 49.2 mg/kg Lab

RM-2-6
9/13/2006: 71 mg/kg J Field

RM-2-2
9/13/2006: 80 mg/kg J Field

RM-1-5
9/13/2006: 70 mg/kg J Field

RM-1-3
9/13/2006: 53 mg/kg J Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-6

SWMU 6
CADMIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:16 File: I:\Projects\26\46\006\Gis\Maps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-06 Cadmium 2-12.mxd User: KJM

RM-8-7
5/15/2009: < 0.2 mg/kg Field 5-6 ft
5/15/2009: < 0.2 mg/kg Field 7-8 ft

RM-7-2
5/14/2009: < 0.2 mg/kg Field 6-7 ft
5/14/2009: < 0.2 mg/kg Field 8-9 ft

RM-6-1
5/14/2009: < 0.2 mg/kg Field 6.5-7.5 ft
5/14/2009: < 0.2 mg/kg Field 8.5-9.5 ft

RM-5-2
5/14/2009: < 0.2 mg/kg Field 2-3 ft
5/14/2009: < 0.2 mg/kg Field 4-5 ft

6. RAW MATERIALS AREA

RM-4-1
5/14/2009: < 0.2 mg/kg Field 3-4 ft
5/14/2009: < 0.2 mg/kg Field 5-6 ft

RM-4-7
6/2/2009: < 0.2 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: < 0.2 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: < 0.2 mg/kg Lab 2.5-3.2 ft

RM-3-3
5/13/2009: < 0.2 mg/kg Field 3-4 ft
5/13/2009: < 0.2 mg/kg Field 5-6 ft

RM-2-7
5/13/2009: < 0.2 mg/kg Field 2-3 ft
5/13/2009: < 0.2 mg/kg Field 4-5 ft

RM-1-2
5/13/2009: < 0.2 mg/kg Field 2-3 ft
5/13/2009: < 0.2 mg/kg Field 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-7

SWMU 6
CADMIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 633 mg/kg J Lab
9/13/2006: 550 mg/kg J Field

RM-8-6
9/14/2006: 2600 mg/kg J Field
5/19/2009: 2040 mg/kg Lab

RM-7-3
9/14/2006: 510 mg/kg J Field

RM-10-3
5/19/2009: 598 mg/kg Field

RM-7-6
9/14/2006: 470 mg/kg J Field

RM-10-5
5/19/2009: 249 mg/kg Lab
5/19/2009: 565 mg/kg Field

RM-7-5
9/14/2006: 450 mg/kg J Field

RM-10-2
5/19/2009: 368 mg/kg Field

RM-10-6
5/19/2009: 499 mg/kg Field

RM-10-1
5/19/2009: 335 mg/kg Field

RM-9-2
5/19/2009: 327 mg/kg Field

RM-8-1
9/13/2006: 720 mg/kg J Field
5/19/2009: 317 mg/kg Lab

RM-8-5
9/14/2006: 760 mg/kg J Field
5/19/2009: 1700 mg/kg Lab

RM-8-7
6/2/2009: 214 mg/kg Lab

RM-8-4
9/14/2006: 890 mg/kg J Field
5/19/2009: 590 mg/kg Lab

RM-8-2
9/14/2006: 510 mg/kg J Field

RM-7-4
9/14/2006: 480 mg/kg J Field

RM-7-1
9/13/2006: 510 mg/kg J Field

RM-9-1
5/19/2009: 657 mg/kg Lab
5/19/2009: 631 mg/kg Field

RM-10-4
5/19/2009: 770 mg/kg Field

RM-9-3
5/19/2009: 188 mg/kg Field

RM-7-2
9/13/2006: 897 mg/kg J Lab
9/13/2006: 570 mg/kg J Field

RM-9-6
5/19/2009: 229 mg/kg Field

RM-6-3
9/13/2006: 470 mg/kg J Field

RM-9-5
5/19/2009: 180 mg/kg Field

RM-6-5
9/13/2006: 440 mg/kg J Field

RM-9-4
5/19/2009: 294 mg/kg Field

RM-6-1
9/12/2006: 320 mg/kg J Field
9/13/2006: 8 mg/kg J Lab

RM-6-2
9/13/2006: 370 mg/kg J Field

RM-6-6
9/13/2006: 420 mg/kg J Field

RM-5-1
9/13/2006: 420 mg/kg J Field

RM-6-4
9/13/2006: 410 mg/kg J Field

RM-5-4
9/13/2006: 410 mg/kg J Field

RM-5-3
9/13/2006: 430 mg/kg J Field

RM-5-5
9/13/2006: 400 mg/kg J Field

RM-5-2
9/12/2006: 719 mg/kg J Lab
9/12/2006: 410 mg/kg J Field

RM-4-4
9/13/2006: 400 mg/kg J Field

RM-5-6
9/13/2006: 410 mg/kg J Field

RM-4-3
9/13/2006: 380 mg/kg J Field

RM-4-5
9/14/2006: 390 mg/kg J Field

RM-4-2
9/13/2006: 410 mg/kg J Field

RM-4-1
9/12/2006: 581 mg/kg J Lab
9/12/2006: 420 mg/kg J Field

RM-3-5
9/13/2006: 370 mg/kg J Field

RM-4-6
9/13/2006: 390 mg/kg J Field

RM-3-4
9/13/2006: 360 mg/kg J Field

RM-3-1
9/13/2006: 340 mg/kg J Field

RM-3-3
9/12/2006: 217 mg/kg J Lab
9/12/2006: 360 mg/kg J Field

RM-2-3
9/12/2006: 263 mg/kg J Lab
9/12/2006: 370 mg/kg J Field

RM-3-2
9/13/2006: 370 mg/kg J Field

RM-2-1
9/13/2006: 370 mg/kg J Field

RM-3-6
9/13/2006: 430 mg/kg J Field

RM-2-4
9/13/2006: 370 mg/kg J Field

RM-2-5
9/13/2006: 380 mg/kg J Field

RM-2-7
6/2/2009: 264 mg/kg Lab

RM-1-1
9/14/2006: 320 mg/kg J Field

RM-2-6
9/13/2006: 410 mg/kg J Field

RM-1-6
9/13/2006: 340 mg/kg J Field

RM-2-2
9/13/2006: 410 mg/kg J Field

RM-1-2
9/12/2006: 183 mg/kg J Lab
9/12/2006: 330 mg/kg J Field

RM-1-5
9/13/2006: 410 mg/kg J Field

RM-1-4
9/13/2006: 310 mg/kg J Field

RM-1-3
9/13/2006: 310 mg/kg J Field

6. RAW MATERIALS AREA

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-8

SWMU 6
CHROMIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:17 File: I:\Projects\26\4600\6\Gis\Maps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-08 Chromium 0-2.mxd User: KJM

RM-7-3
9/13/2006: 440 mg/kg J Field

RM-10-3
5/19/2009: 549 mg/kg Field

RM-7-6
9/14/2006: 470 mg/kg J Field

RM-10-5
5/19/2009: 201 mg/kg Lab
5/19/2009: 409 mg/kg Field

RM-7-5
9/14/2006: 440 mg/kg J Field

RM-10-2
5/19/2009: 286 mg/kg Field

RM-10-6
5/19/2009: 262 mg/kg Field

RM-10-1
5/19/2009: 491 mg/kg Field

RM-9-2
5/19/2009: 188 mg/kg Field

RM-9-1
5/19/2009: 372 mg/kg J Lab
5/19/2009: 344 mg/kg Field

RM-9-6
5/19/2009: 491 mg/kg Field

RM-9-3
5/19/2009: 114 mg/kg Field

RM-9-5
5/19/2009: 89 mg/kg Field

RM-9-4
5/19/2009: 491 mg/kg Field

RM-6-2
9/13/2006: 370 mg/kg J Field

RM-5-1
9/13/2006: 400 mg/kg J Field

RM-5-4
9/13/2006: 400 mg/kg J Field

RM-5-5
9/13/2006: 380 mg/kg J Field

RM-4-4
9/13/2006: 410 mg/kg J Field

RM-4-3
9/13/2006: 360 mg/kg J Field

RM-4-2
9/13/2006: 410 mg/kg J Field

RM-3-5
9/13/2006: 380 mg/kg J Field

RM-3-4
9/13/2006: 390 mg/kg J Field

RM-3-3
9/12/2006: 294 mg/kg J Lab
9/12/2006: 370 mg/kg J Field

RM-3-2
9/13/2006: 340 mg/kg J Field

RM-3-6
9/13/2006: 380 mg/kg J Field

RM-2-5
9/13/2006: 390 mg/kg J Field

RM-1-1
9/14/2006: 350 mg/kg J Field

RM-1-6
9/13/2006: 350 mg/kg J Field

RM-1-2
9/12/2006: 495 mg/kg J Lab
9/12/2006: 400 mg/kg J Field

RM-8-3
9/13/2006: 2340 mg/kg J Lab
9/13/2006: 2400 mg/kg J Field
5/19/2009: 3060 mg/kg Lab

RM-8-6
9/14/2006: 3200 mg/kg J Field
5/19/2009: 2160 mg/kg Lab

6. RAW MATERIALS AREA

RM-1-4
9/13/2006: 340 mg/kg J Field

RM-8-1
9/13/2006: 410 mg/kg J Field

RM-8-5
9/14/2006: 390 mg/kg J Field

RM-8-7
6/2/2009: 305 mg/kg Lab

RM-8-4
9/14/2006: 500 mg/kg J Field

RM-8-2
9/14/2006: 370 mg/kg J Field

RM-7-4
9/14/2006: 400 mg/kg J Field

RM-7-1
9/13/2006: 470 mg/kg J Field

RM-10-4
5/19/2009: 409 mg/kg Field

RM-6-5
9/13/2006: 410 mg/kg J Field

RM-7-2
9/13/2006: 481 mg/kg J Lab
9/13/2006: 460 mg/kg J Field

RM-6-3
9/13/2006: 470 mg/kg J Field

RM-6-1
9/12/2006: 330 mg/kg J Field
9/13/2006: 7 mg/kg J Lab

RM-6-6
9/13/2006: 420 mg/kg J Field

RM-6-4
9/13/2006: 430 mg/kg J Field

RM-5-3
9/13/2006: 440 mg/kg J Field

RM-5-2
9/12/2006: 574 mg/kg J Lab
9/12/2006: 410 mg/kg J Field

RM-5-6
9/13/2006: 420 mg/kg J Field

RM-4-5
9/14/2006: 390 mg/kg J Field

RM-4-1
9/12/2006: 568 mg/kg J Lab
9/12/2006: 420 mg/kg J Field

RM-4-6
9/13/2006: 390 mg/kg J Field

RM-3-1
9/13/2006: 340 mg/kg J Field

RM-2-3
9/12/2006: 126 mg/kg J Lab
9/12/2006: 380 mg/kg J Field

RM-2-1
9/13/2006: 370 mg/kg J Field

RM-2-4
9/13/2006: 380 mg/kg J Field

RM-2-7
6/2/2009: 353 mg/kg Lab

RM-2-6
9/13/2006: 380 mg/kg J Field

RM-2-2
9/13/2006: 410 mg/kg J Field

RM-1-5
9/13/2006: 400 mg/kg J Field

RM-1-3
9/13/2006: 320 mg/kg J Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-9

SWMU 6
CHROMIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
5/15/2009: < 2 mg/kg Field 5-6 ft
5/15/2009: < 2 mg/kg Field 7-8 ft

RM-7-2
5/14/2009: < 2 mg/kg Field 6-7 ft
5/14/2009: < 2 mg/kg Field 8-9 ft

RM-6-1
5/14/2009: < 2 mg/kg Field 6.5-7.5 ft
5/14/2009: < 2 mg/kg Field 8.5-9.5 ft

RM-5-2
5/14/2009: 30 mg/kg J Field 2-3 ft
5/14/2009: < 2 mg/kg Field 4-5 ft

6. RAW MATERIALS AREA

RM-4-1
5/14/2009: < 2 mg/kg Field 3-4 ft
5/14/2009: < 2 mg/kg Field 5-6 ft

RM-4-7
6/2/2009: 6.2 mg/kg Lab 2-3 ft

RM-3-3
5/13/2009: < 2 mg/kg Field 3-4 ft
5/13/2009: < 2 mg/kg Field 5-6 ft

RM-3-7
6/2/2009: 5.6 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: 7.6 mg/kg Lab 2.5-3.2 ft

RM-2-7
5/13/2009: < 2 mg/kg Field 2-3 ft
5/13/2009: < 2 mg/kg Field 4-5 ft

RM-1-2
5/13/2009: < 2 mg/kg Field 2-3 ft
5/13/2009: < 2 mg/kg Field 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-10

SWMU 6
CHROMIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:18 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-10 Chromium Other Depths.mxd User: KJM

RM-8-3
9/13/2006: 116 mg/kg J Lab
9/13/2006: 140 mg/kg J Field

RM-8-6
9/14/2006: 450 mg/kg J Field
5/19/2009: 315 mg/kg Lab

RM-7-3
9/14/2006: 100 mg/kg J Field

RM-8-1
9/13/2006: 140 mg/kg J Field

RM-8-5
9/14/2006: 170 mg/kg J Field
5/19/2009: 371 mg/kg Lab

RM-10-5
5/19/2009: 65.0 mg/kg Lab

RM-8-7
6/2/2009: 54.9 mg/kg Lab

RM-8-4
9/14/2006: 190 mg/kg J Field
5/19/2009: 117 mg/kg Lab

RM-7-6
9/14/2006: 110 mg/kg J Field

RM-8-2
9/14/2006: 150 mg/kg J Field

RM-7-5
9/14/2006: 65 mg/kg J Field

RM-7-4
9/14/2006: 90 mg/kg J Field

RM-7-1
9/13/2006: 110 mg/kg J Field

RM-9-1
5/19/2009: 102 mg/kg Lab

RM-7-2
9/13/2006: 184 mg/kg J Lab
9/13/2006: 90 mg/kg J Field

RM-6-3
9/13/2006: 110 mg/kg J Field

RM-6-5
9/13/2006: 100 mg/kg J Field

RM-6-1
9/12/2006: 79 mg/kg J Field
9/13/2006: 91 mg/kg J Lab

RM-6-6
9/13/2006: 76 mg/kg J Field

RM-6-2
9/13/2006: 90 mg/kg J Field

6. RAW MATERIALS AREA

RM-6-4
9/13/2006: 130 mg/kg J Field

RM-5-1
9/13/2006: 95 mg/kg J Field

RM-5-3
9/13/2006: 95 mg/kg J Field

RM-5-4
9/13/2006: 69 mg/kg J Field

RM-5-2
9/12/2006: 116 mg/kg J Lab
9/12/2006: 84 mg/kg J Field

RM-5-5
9/13/2006: 84 mg/kg J Field

RM-5-6
9/13/2006: 83 mg/kg J Field

RM-4-4
9/13/2006: 59 mg/kg J Field

RM-4-5
9/14/2006: 90 mg/kg J Field

RM-4-3
9/13/2006: 76 mg/kg J Field

RM-4-1
9/12/2006: 104 mg/kg J Lab
9/12/2006: 90 mg/kg J Field

RM-4-2
9/13/2006: 83 mg/kg J Field

RM-4-6
9/13/2006: 78 mg/kg J Field

RM-3-5
9/13/2006: 55 mg/kg J Field

RM-3-1
9/13/2006: 54 mg/kg J Field

RM-3-4
9/13/2006: 70 mg/kg J Field

RM-2-3
9/12/2006: 41 mg/kg J Lab
9/12/2006: 69 mg/kg J Field

RM-3-3
9/12/2006: 36 mg/kg J Lab
9/12/2006: 68 mg/kg J Field

RM-2-1
9/13/2006: 83 mg/kg J Field

RM-3-2
9/13/2006: 62 mg/kg J Field

RM-2-4
9/13/2006: 63 mg/kg J Field

RM-3-6
9/13/2006: 79 mg/kg J Field

RM-2-7
6/2/2009: 60.7 mg/kg Lab

RM-2-5
9/13/2006: 67 mg/kg J Field

RM-2-6
9/13/2006: 84 mg/kg J Field

RM-1-1
9/14/2006: 41 mg/kg J Field

RM-2-2
9/13/2006: 83 mg/kg J Field

RM-1-4
9/13/2006: 43 mg/kg J Field

RM-1-6
9/13/2006: 70 mg/kg J Field

RM-1-5
9/13/2006: 84 mg/kg J Field

RM-1-2
9/12/2006: 44 mg/kg J Lab
9/12/2006: 100 mg/kg J Field

RM-1-3
9/13/2006: 42 mg/kg J Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

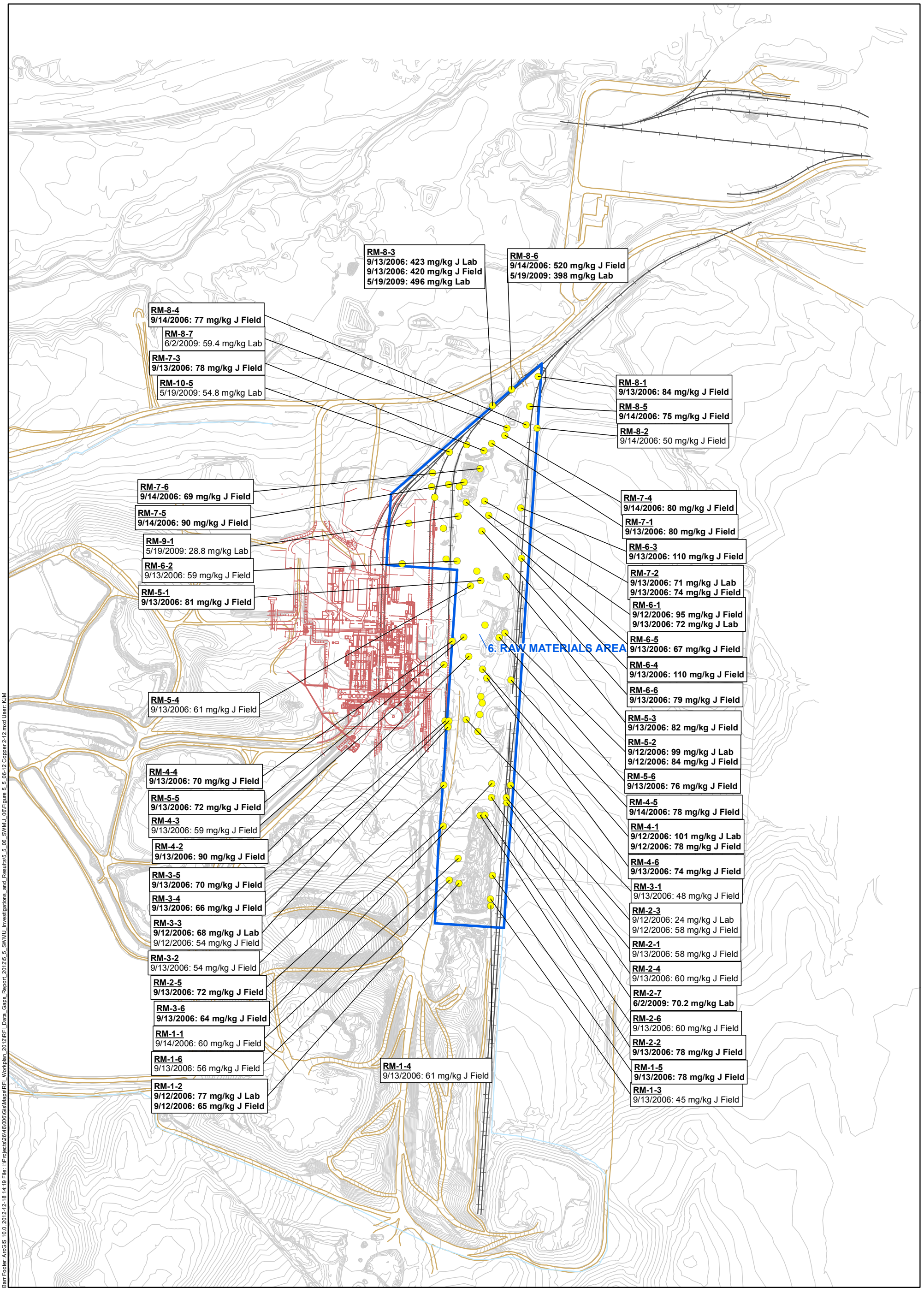
N

Feet
500 0 500

Figure 5.5.6-11

SWMU 6
COPPER, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:19 File: I:\Projects\26\46\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-11 Copper 0-2.mxd User: KJM



Barr Footer: ArcGIS 10.0, 2012-12-18 14:19 File: I:\Projects\26\46\006\Gis\Maps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-12 Copper 2-12.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

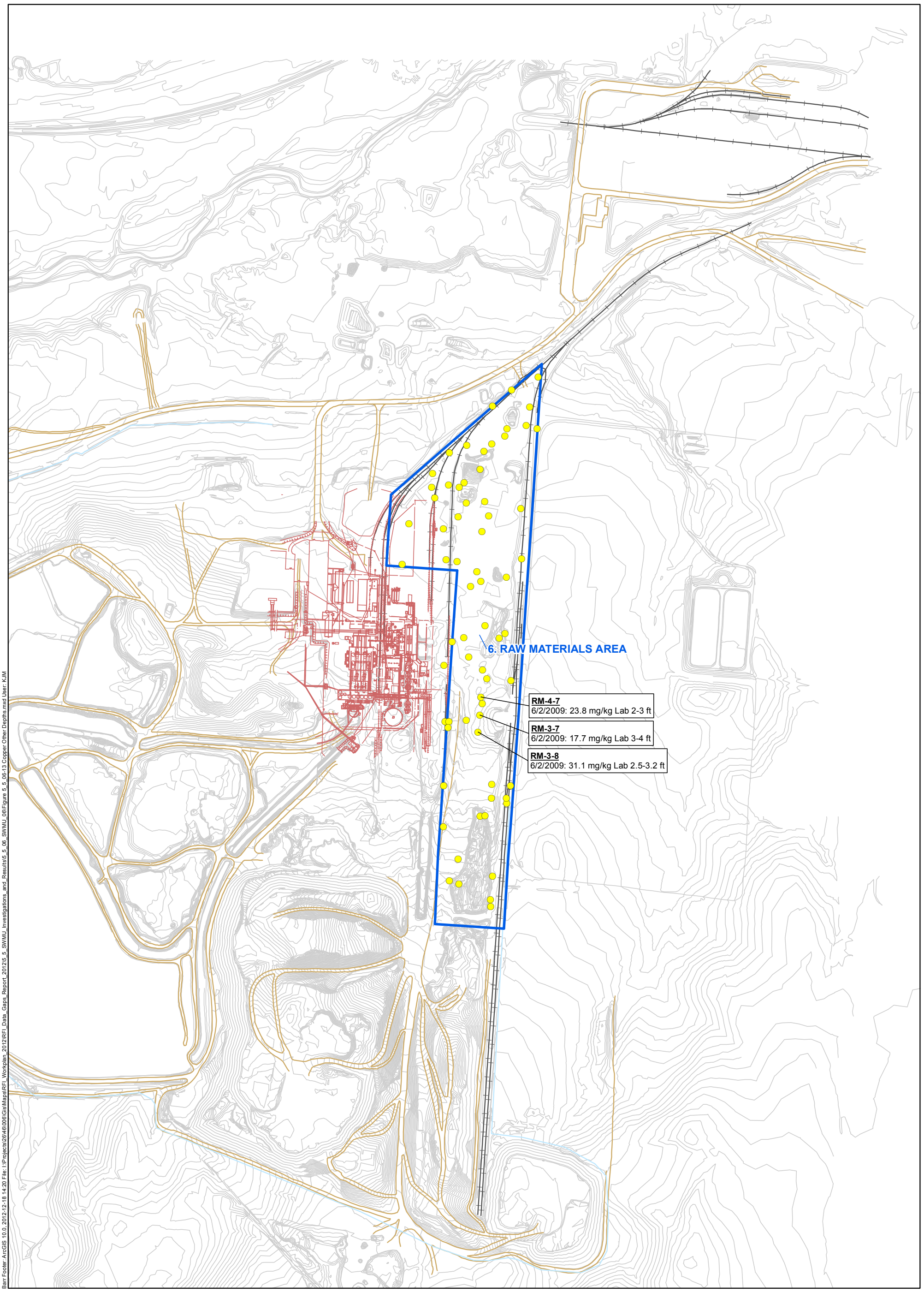
N

Feet

500 0 500

Figure 5.5.6-12

SWMU 6
COPPER, 2-12 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:20 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-13 Copper Other Depths.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-13

SWMU 6
COPPER, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-6
9/14/2006: 46000 mg/kg Field
5/19/2009: 30800 mg/kg Lab

RM-8-3
9/13/2006: 13400 mg/kg J Lab
9/13/2006: 12700 mg/kg Field

RM-7-3
9/14/2006: 9400 mg/kg Field

RM-10-5
5/19/2009: 7960 mg/kg Lab

RM-7-6
9/14/2006: 6900 mg/kg Field

RM-7-5
9/14/2006: 7000 mg/kg Field

RM-9-1
5/19/2009: 7870 mg/kg Lab

RM-6-2
9/13/2006: 6100 mg/kg Field

RM-5-1
9/13/2006: 6400 mg/kg Field

RM-5-4
9/13/2006: 6200 mg/kg Field

RM-5-5
9/13/2006: 6400 mg/kg Field

RM-4-4
9/13/2006: 6100 mg/kg Field

RM-4-3
9/13/2006: 7000 mg/kg Field

RM-4-2
9/13/2006: 6200 mg/kg Field

RM-3-5
9/13/2006: 6200 mg/kg Field

RM-3-4
9/13/2006: 6200 mg/kg Field

RM-3-3
9/12/2006: 3680 mg/kg J Lab
9/12/2006: 6200 mg/kg Field

RM-3-2
9/13/2006: 6400 mg/kg Field

RM-3-6
9/13/2006: 7000 mg/kg Field

RM-2-5
9/13/2006: 6200 mg/kg Field

RM-1-1
9/14/2006: 7000 mg/kg Field

RM-1-6
9/13/2006: 9100 mg/kg Field

RM-1-2
9/12/2006: 5050 mg/kg J Lab
9/12/2006: 7300 mg/kg Field

RM-1-4
9/13/2006: 7300 mg/kg Field

RM-8-1
9/13/2006: 12400 mg/kg Field

RM-8-5
9/14/2006: 13000 mg/kg Field

RM-8-7
6/2/2009: 9440 mg/kg Lab

RM-8-4
9/14/2006: 15400 mg/kg Field

RM-8-2
9/14/2006: 12400 mg/kg Field

RM-7-4
9/14/2006: 7900 mg/kg Field

RM-7-1
9/13/2006: 8800 mg/kg Field

RM-7-2
9/13/2006: 11900 mg/kg J Lab
9/13/2006: 8500 mg/kg Field

RM-6-3
9/13/2006: 7600 mg/kg Field

RM-6-5
9/13/2006: 6800 mg/kg Field

RM-6-1
9/12/2006: 12100 mg/kg Field
9/13/2006: 11500 mg/kg J Lab

RM-6-6
9/13/2006: 7000 mg/kg Field

RM-6-4
9/13/2006: 8800 mg/kg Field

RM-5-3
9/13/2006: 6400 mg/kg Field

RM-5-2
9/12/2006: 8080 mg/kg J Lab
9/12/2006: 6300 mg/kg Field

RM-5-6
9/13/2006: 6200 mg/kg Field

RM-4-5
9/14/2006: 7300 mg/kg Field

RM-4-1
9/12/2006: 6730 mg/kg J Lab
9/12/2006: 6400 mg/kg Field

RM-4-6
9/13/2006: 7300 mg/kg Field

RM-3-1
9/13/2006: 6600 mg/kg Field

RM-2-3
9/12/2006: 4120 mg/kg J Lab
9/12/2006: 6600 mg/kg Field

RM-2-1
9/13/2006: 7300 mg/kg Field

RM-2-4
9/13/2006: 6900 mg/kg Field

RM-2-7
6/2/2009: 6810 mg/kg Lab

RM-2-6
9/13/2006: 6200 mg/kg Field

RM-2-2
9/13/2006: 6300 mg/kg Field

RM-1-5
9/13/2006: 6500 mg/kg Field

RM-1-3
9/13/2006: 6500 mg/kg Field

6. RAW MATERIALS AREA

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-14

SWMU 6
IRON, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:20 File: I:\Projects\26\46\006\Gis\Maps\RFI Workplan_2012\RFI Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-14 Iron 0-2.mxd User: KJM

RM-8-3
9/13/2006: 39700 mg/kg J Lab
9/13/2006: 40000 mg/kg Field
5/19/2009: 48100 mg/kg Lab

RM-8-6
9/14/2006: 55000 mg/kg Field
5/19/2009: 34800 mg/kg Lab

RM-8-7
6/2/2009: 10600 mg/kg Lab

RM-7-4
9/14/2006: 6500 mg/kg Field

RM-7-3
9/13/2006: 8800 mg/kg Field

RM-8-1
9/13/2006: 7300 mg/kg Field

RM-8-5
9/14/2006: 7300 mg/kg Field

RM-8-4
9/14/2006: 8800 mg/kg Field

RM-8-2
9/14/2006: 13300 mg/kg Field

RM-7-1
9/13/2006: 8200 mg/kg Field

RM-10-5
5/19/2009: 12600 mg/kg Lab

RM-7-2
9/13/2006: 6210 mg/kg J Lab
9/13/2006: 6700 mg/kg Field

RM-7-6
9/14/2006: 6700 mg/kg Field

RM-6-3
9/13/2006: 7300 mg/kg Field

RM-7-5
9/14/2006: 7000 mg/kg Field

RM-6-5
9/13/2006: 7300 mg/kg Field

RM-6-1
9/12/2006: 13300 mg/kg Field
9/13/2006: 10500 mg/kg J Lab

RM-9-1
5/19/2009: 10300 mg/kg Lab

RM-6-6
9/13/2006: 6200 mg/kg Field

RM-6-4
9/13/2006: 8800 mg/kg Field

RM-6-2
9/13/2006: 5600 mg/kg Field

RM-5-3
9/13/2006: 6300 mg/kg Field

RM-5-1
9/13/2006: 6300 mg/kg Field

RM-5-2
9/12/2006: 6690 mg/kg J Lab
9/12/2006: 6100 mg/kg Field

RM-5-4
9/13/2006: 5700 mg/kg Field

RM-5-6
9/13/2006: 6200 mg/kg Field

RM-5-5
9/13/2006: 7000 mg/kg Field

6. RAW MATERIALS AREA

RM-4-5
9/14/2006: 7300 mg/kg Field

RM-4-4
9/13/2006: 6300 mg/kg Field

RM-4-1
9/12/2006: 5980 mg/kg J Lab
9/12/2006: 6300 mg/kg Field

RM-4-3
9/13/2006: 6400 mg/kg Field

RM-4-6
9/13/2006: 7000 mg/kg Field

RM-4-2
9/13/2006: 6200 mg/kg Field

RM-3-1
9/13/2006: 6300 mg/kg Field

RM-3-5
9/13/2006: 6600 mg/kg Field

RM-2-3
9/12/2006: 2930 mg/kg J Lab
9/12/2006: 6500 mg/kg Field

RM-3-4
9/13/2006: 6700 mg/kg Field

RM-2-1
9/13/2006: 5600 mg/kg Field

RM-3-3
9/12/2006: 5090 mg/kg J Lab
9/12/2006: 6000 mg/kg Field

RM-2-4
9/13/2006: 6900 mg/kg Field

RM-3-2
9/13/2006: 8500 mg/kg Field

RM-2-7
6/2/2009: 7550 mg/kg Lab

RM-3-6
9/13/2006: 9400 mg/kg Field

RM-2-6
9/13/2006: 7600 mg/kg Field

RM-2-5
9/13/2006: 6000 mg/kg Field

RM-2-2
9/13/2006: 7300 mg/kg Field

RM-1-1
9/14/2006: 6800 mg/kg Field

RM-1-5
9/13/2006: 6000 mg/kg Field

RM-1-6
9/13/2006: 8200 mg/kg Field

RM-1-3
9/13/2006: 6900 mg/kg Field

RM-1-4
9/13/2006: 7300 mg/kg Field

RM-1-2
9/12/2006: 9440 mg/kg J Lab
9/12/2006: 8200 mg/kg Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

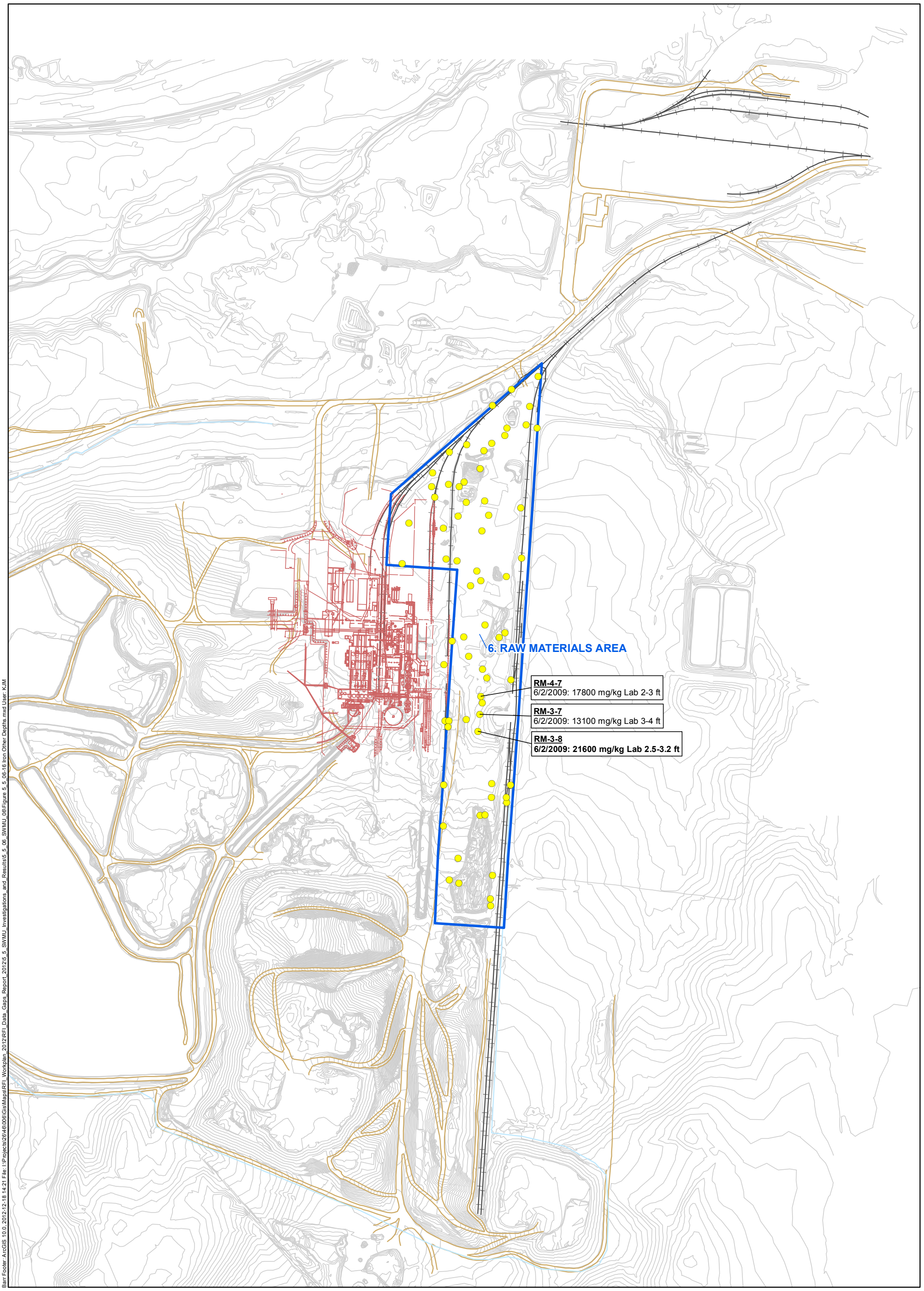
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-15

SWMU 6
IRON, 2-12 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:21 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-16 Iron Other Depths.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

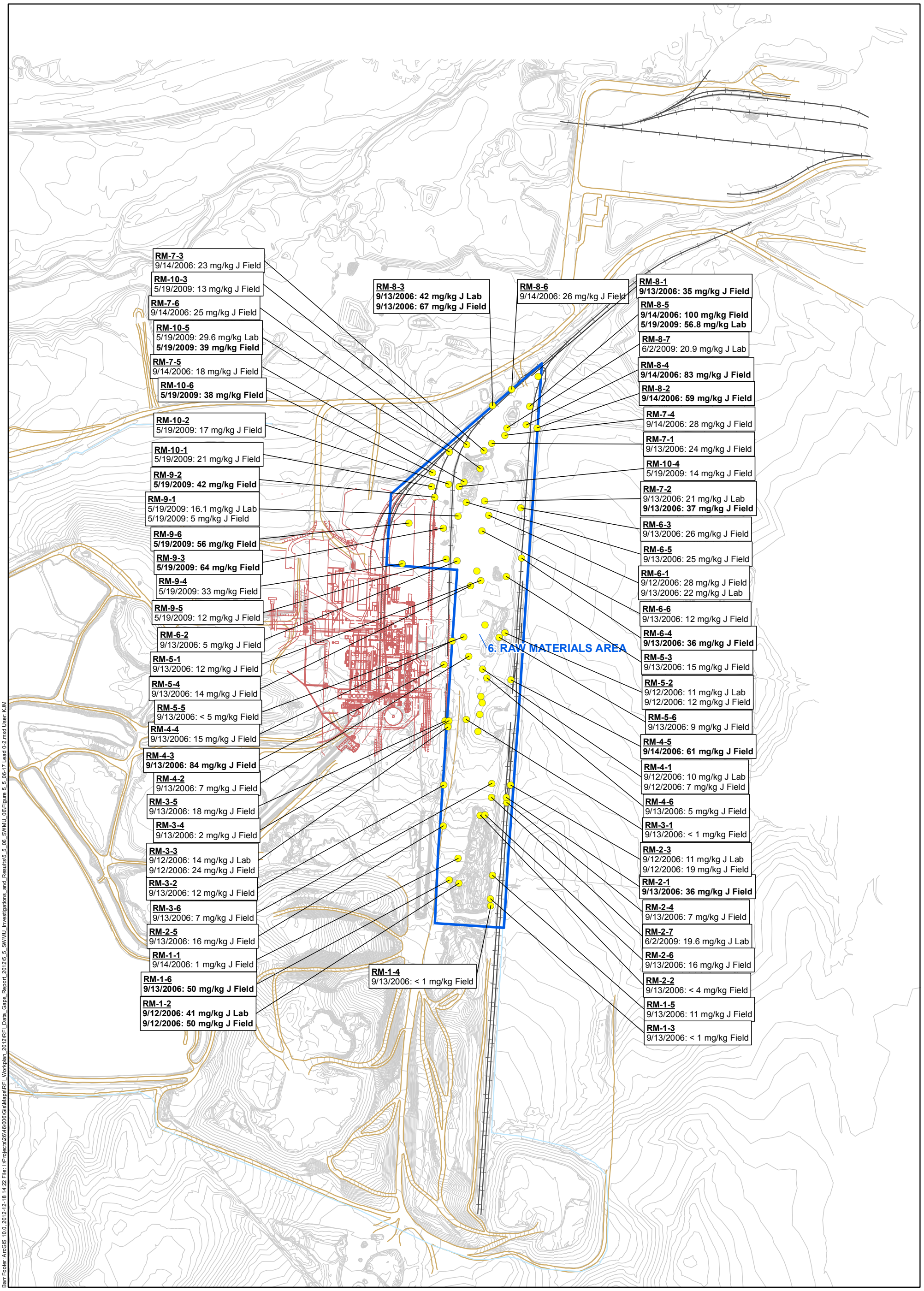
N

Feet

500 0 500

Figure 5.5.6-16

SWMU 6
IRON, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:22 File: I:\Projects\26\46\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-17 Lead 0-2.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-17

SWMU 6
LEAD, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-7-3
9/13/2006: 8 mg/kg J Field

RM-10-3
5/19/2009: 26 mg/kg J Field

RM-7-6
9/14/2006: 20 mg/kg J Field

RM-10-5
5/19/2009: 45.5 mg/kg Lab
5/19/2009: 60 mg/kg Field

RM-7-5
9/14/2006: 25 mg/kg J Field

RM-10-6
5/19/2009: 23 mg/kg J Field

RM-10-2
5/19/2009: 7 mg/kg J Field

RM-10-1
5/19/2009: 33 mg/kg Field

RM-9-2
5/19/2009: 60 mg/kg Field

RM-9-1
5/19/2009: 41.2 mg/kg Lab
5/19/2009: 23 mg/kg J Field

RM-9-6
5/19/2009: 42 mg/kg Field

RM-9-3
5/19/2009: 61 mg/kg Field

RM-9-5
5/19/2009: 10 mg/kg J Field

RM-9-4
5/19/2009: 48 mg/kg Field

RM-6-2
9/13/2006: 19 mg/kg J Field

RM-5-1
9/13/2006: 20 mg/kg J Field

RM-5-4
9/13/2006: 12 mg/kg J Field

RM-5-5
9/13/2006: < 1 mg/kg Field

RM-4-4
9/13/2006: 25 mg/kg J Field

RM-4-3
9/13/2006: 170 mg/kg Field
5/19/2009: 77.9 mg/kg Lab

RM-4-2
9/13/2006: 12 mg/kg J Field

RM-3-5
9/13/2006: 20 mg/kg J Field

RM-3-4
9/13/2006: 5 mg/kg J Field

RM-3-3
9/12/2006: 13 mg/kg J Lab
9/12/2006: 34 mg/kg J Field

RM-3-2
9/13/2006: < 2 mg/kg Field

RM-3-6
9/13/2006: 9 mg/kg J Field

RM-2-5
9/13/2006: 13 mg/kg J Field

RM-1-1
9/14/2006: 9 mg/kg J Field

RM-1-6
9/13/2006: 17 mg/kg J Field

RM-1-2
9/12/2006: 10 mg/kg J Lab
9/12/2006: 4 mg/kg J Field

RM-8-3
9/13/2006: 422 mg/kg J Lab
9/13/2006: 41 mg/kg J Field

RM-8-6
9/14/2006: < 9 mg/kg Field

RM-1-4
9/13/2006: 9 mg/kg J Field

6. RAW MATERIALS AREA

RM-8-1
9/13/2006: 88 mg/kg J Field

RM-8-5
9/14/2006: 160 mg/kg Field
5/19/2009: 89.7 mg/kg Lab

RM-8-7
6/2/2009: 76.4 mg/kg Lab

RM-8-4
9/14/2006: 150 mg/kg Field
5/19/2009: 67.1 mg/kg Lab

RM-8-2
9/14/2006: 15 mg/kg J Field

RM-7-4
9/14/2006: 12 mg/kg J Field

RM-7-1
9/13/2006: 4 mg/kg J Field

RM-10-4
5/19/2009: < 3.2 mg/kg Field

RM-7-2
9/13/2006: 21 mg/kg J Lab
9/13/2006: 38 mg/kg J Field

RM-6-3
9/13/2006: 8 mg/kg J Field

RM-6-5
9/13/2006: 41 mg/kg J Field

RM-6-1
9/12/2006: 40 mg/kg J Field
9/13/2006: 19 mg/kg J Lab

RM-6-6
9/13/2006: 15 mg/kg J Field

RM-6-4
9/13/2006: 55 mg/kg J Field

RM-5-3
9/13/2006: 15 mg/kg J Field

RM-5-2
9/12/2006: 10 mg/kg J Lab
9/12/2006: 9 mg/kg J Field

RM-5-6
9/13/2006: 15 mg/kg J Field

RM-4-5
9/14/2006: 5 mg/kg J Field

RM-4-1
9/12/2006: 9 mg/kg J Lab
9/12/2006: 9 mg/kg J Field

RM-4-6
9/13/2006: 8 mg/kg J Field

RM-3-1
9/13/2006: < 1 mg/kg Field

RM-2-3
9/12/2006: 9 mg/kg J Lab
9/12/2006: 5 mg/kg J Field

RM-2-1
9/13/2006: 13 mg/kg J Field

RM-2-4
9/13/2006: < 5 mg/kg Field

RM-2-7
6/2/2009: 20.7 mg/kg J Lab

RM-2-6
9/13/2006: 5 mg/kg J Field

RM-2-2
9/13/2006: 15 mg/kg J Field

RM-1-5
9/13/2006: 15 mg/kg J Field

RM-1-3
9/13/2006: < 1 mg/kg Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

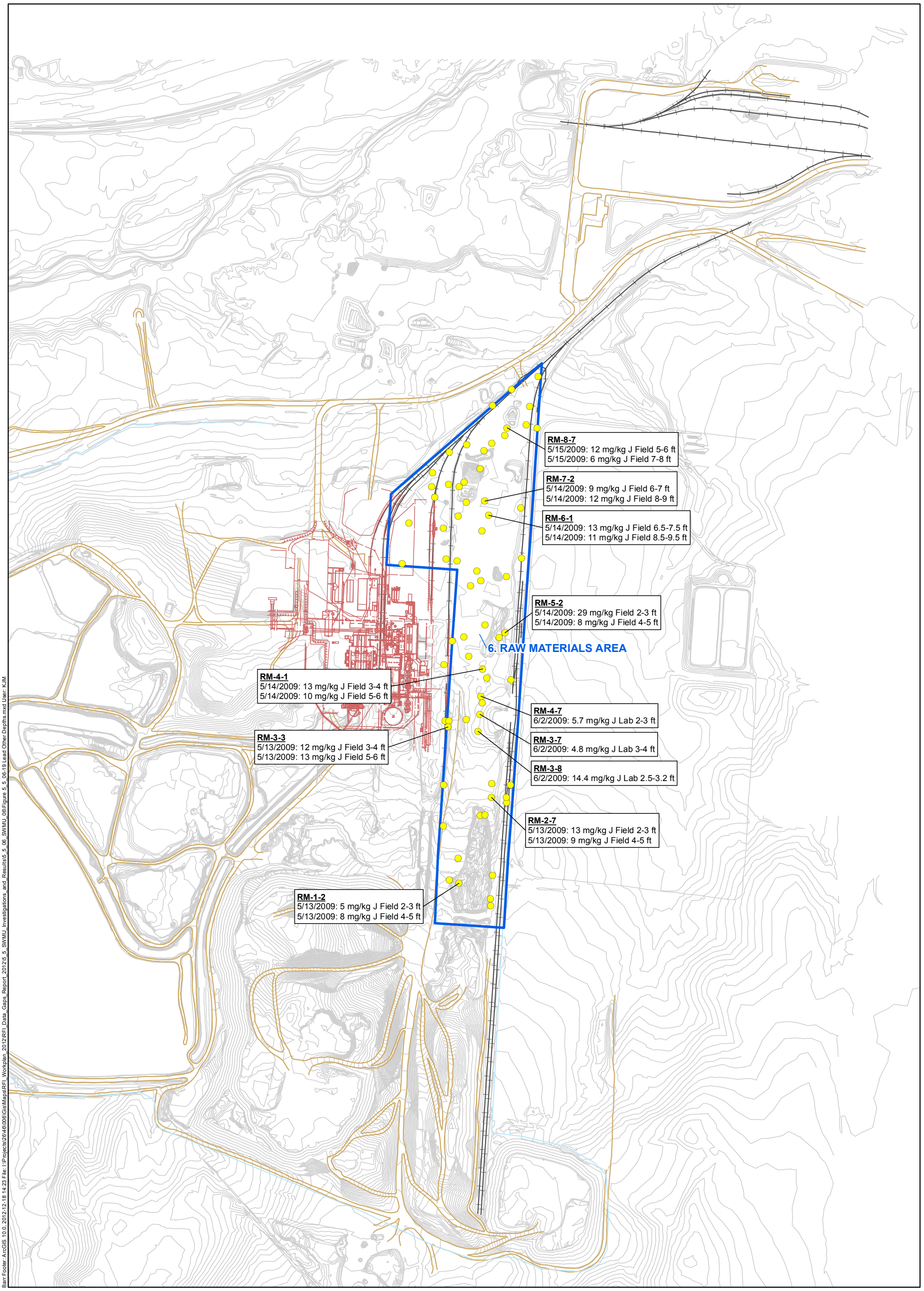
N

Feet
500 0 500

Figure 5.5.6-18

SWMU 6
LEAD, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:22 File: I:\Projects\26\46\006\Gis\Maps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-18 Lead 2-12.mxd User: KJM



Barr Footer: ArcGIS 10.0, 2012-12-18 14:23 File: I:\Projects\2648\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-19 Lead Other Depths.mxd User: KJM

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-19

SWMU 6
LEAD, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 167 mg/kg J Lab

RM-10-3
5/19/2009: 98 mg/kg J Field

RM-10-5
5/19/2009: 151 mg/kg Lab
5/19/2009: 233 mg/kg J Field

RM-10-2
5/19/2009: 165 mg/kg J Field

RM-10-6
5/19/2009: 285 mg/kg J Field

RM-10-1
5/19/2009: 353 mg/kg Field

RM-9-2
5/19/2009: 233 mg/kg Field

RM-9-6
5/19/2009: 165 mg/kg J Field

RM-9-3
5/19/2009: 135 mg/kg J Field

RM-9-4
5/19/2009: 173 mg/kg J Field

RM-9-5
5/19/2009: 143 mg/kg J Field

RM-8-7
6/2/2009: 99.40 mg/kg Lab

RM-10-4
5/19/2009: < 83 mg/kg Field

RM-7-2
9/13/2006: 112 mg/kg J Lab

RM-6-1
9/13/2006: 361 mg/kg J Lab

RM-9-1
5/19/2009: 69.00 mg/kg Lab
5/19/2009: 113 mg/kg J Field

RM-5-2
9/12/2006: 75 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: 69 mg/kg J Lab

RM-3-3
9/12/2006: 63 mg/kg J Lab

RM-2-3
9/12/2006: 126 mg/kg J Lab

RM-2-7
6/2/2009: 124 mg/kg Lab

RM-1-2
9/12/2006: 132 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

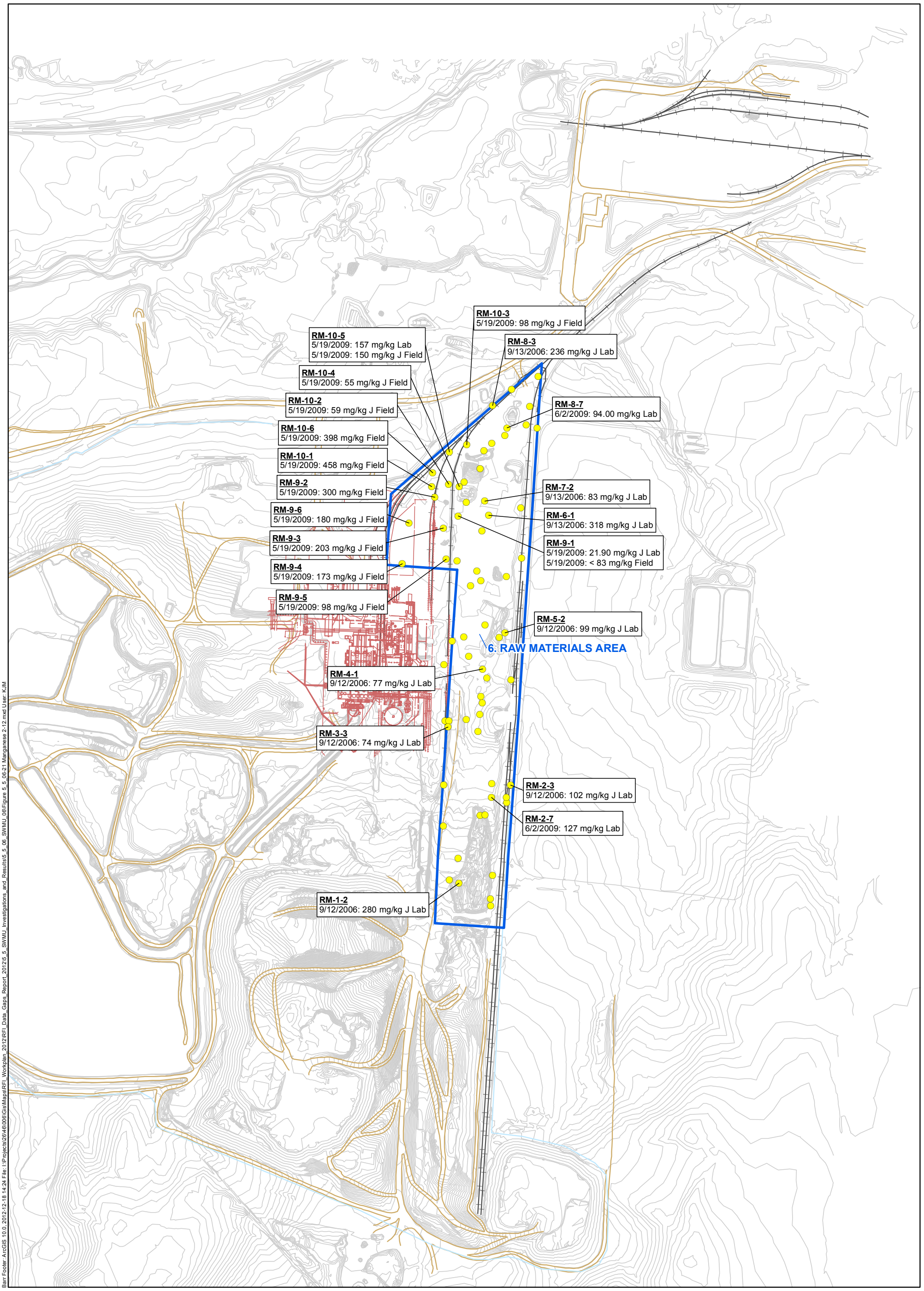
N

Feet
500 0 500

Figure 5.5.6-20

SWMU 6
MANGANESE, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:23 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-20 Manganese 0-2.mxd User: KJM



Barr Footer: ArcGIS 10.0, 2012-12-18 14:24 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-21 Manganese 2-12.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-21

SWMU 6
MANGANESE, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
5/15/2009: 435 mg/kg Field 5-6 ft
5/15/2009: 315 mg/kg Field 7-8 ft

RM-7-2
5/14/2009: 203 mg/kg Field 6-7 ft
5/14/2009: 525 mg/kg Field 8-9 ft

RM-6-1
5/14/2009: 353 mg/kg Field 6.5-7.5 ft
5/14/2009: 338 mg/kg Field 8.5-9.5 ft

RM-5-2
5/14/2009: 360 mg/kg Field 2-3 ft
5/14/2009: 443 mg/kg Field 4-5 ft

6. RAW MATERIALS AREA

RM-4-1
5/14/2009: 885 mg/kg Field 3-4 ft
5/14/2009: 653 mg/kg Field 5-6 ft

RM-4-7
6/2/2009: 370 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 302 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: 414 mg/kg Lab 2.5-3.2 ft

RM-3-3
5/13/2009: 473 mg/kg Field 3-4 ft
5/13/2009: 375 mg/kg Field 5-6 ft

RM-2-7
5/13/2009: 398 mg/kg Field 2-3 ft
5/13/2009: 308 mg/kg Field 4-5 ft

RM-1-2
5/13/2009: 285 mg/kg Field 2-3 ft
5/13/2009: 323 mg/kg Field 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-22

SWMU 6
MANGANESE, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 88 mg/kg J Lab
9/13/2006: < 110 mg/kg Field

RM-8-6
9/14/2006: < 560 mg/kg Field

RM-8-1
9/13/2006: < 150 mg/kg Field

RM-8-5
9/14/2006: < 210 mg/kg Field

RM-8-7
6/2/2009: 60.8 mg/kg Lab

RM-8-4
9/14/2006: < 280 mg/kg Field

RM-8-2
9/14/2006: < 82 mg/kg Field

RM-7-4
9/14/2006: < 200 mg/kg Field

RM-7-1
9/13/2006: < 120 mg/kg Field

RM-7-2
9/13/2006: 160 mg/kg J Lab
9/13/2006: < 100 mg/kg Field

RM-6-3
9/13/2006: < 120 mg/kg Field

RM-6-5
9/13/2006: < 71 mg/kg Field

RM-6-1
9/12/2006: < 36 mg/kg Field
9/13/2006: 6 mg/kg J Lab

RM-6-6
9/13/2006: < 71 mg/kg Field

RM-6-4
9/13/2006: < 82 mg/kg Field

RM-5-3
9/13/2006: < 94 mg/kg Field

RM-5-2
9/12/2006: 126 mg/kg J Lab
9/12/2006: < 94 mg/kg Field

RM-5-6
9/13/2006: < 65 mg/kg Field

RM-4-5
9/14/2006: < 71 mg/kg Field

RM-4-1
9/12/2006: 112 mg/kg J Lab
9/12/2006: < 120 mg/kg Field

RM-4-6
9/13/2006: < 47 mg/kg Field

RM-3-1
9/13/2006: < 28 mg/kg Field

RM-2-3
9/12/2006: 34 mg/kg J Lab
9/12/2006: < 53 mg/kg Field

RM-2-1
9/13/2006: < 46 mg/kg Field

RM-2-4
9/13/2006: < 50 mg/kg Field

RM-2-7
6/2/2009: 51.8 mg/kg Lab

RM-2-6
9/13/2006: < 88 mg/kg Field

RM-2-2
9/13/2006: < 110 mg/kg Field

RM-1-5
9/13/2006: < 53 mg/kg Field

RM-1-3
9/13/2006: < 9.8 mg/kg Field

RM-7-3
9/14/2006: < 120 mg/kg Field

RM-10-5
5/19/2009: 36.4 mg/kg Lab

RM-7-6
9/14/2006: < 110 mg/kg Field

RM-7-5
9/14/2006: < 120 mg/kg Field

RM-9-1
5/19/2009: 151 mg/kg Lab

RM-6-2
9/13/2006: < 52 mg/kg Field

RM-5-1
9/13/2006: < 110 mg/kg Field

RM-5-4
9/13/2006: < 120 mg/kg Field

RM-5-5
9/13/2006: < 94 mg/kg Field

RM-4-4
9/13/2006: < 54 mg/kg Field

RM-4-3
9/13/2006: < 53 mg/kg Field

RM-4-2
9/13/2006: < 82 mg/kg Field

RM-3-5
9/13/2006: < 43 mg/kg Field

RM-3-4
9/13/2006: < 47 mg/kg Field

RM-3-3
9/12/2006: 33 mg/kg J Lab
9/12/2006: < 44 mg/kg Field

RM-3-2
9/13/2006: < 47 mg/kg Field

RM-3-6
9/13/2006: < 100 mg/kg Field

RM-2-5
9/13/2006: < 53 mg/kg Field

RM-1-1
9/14/2006: < 16 mg/kg Field

RM-1-6
9/13/2006: < 38 mg/kg Field

RM-1-2
9/12/2006: 43 mg/kg J Lab
9/12/2006: < 29 mg/kg Field

RM-1-4
9/13/2006: < 12 mg/kg Field

6. RAW MATERIALS AREA

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-23

SWMU 6
NICKEL, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:25 File: I:\Projects\26\46\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-23 Nickel 0-2.mxd User: KJM

RM-8-6
9/14/2006: < 620 mg/kg Field
5/19/2009: 340 mg/kg R Lab

RM-8-3
9/13/2006: 437 mg/kg J Lab
9/13/2006: < 450 mg/kg Field

RM-8-1
9/13/2006: < 47 mg/kg Field

RM-8-5
9/14/2006: < 47 mg/kg Field

RM-8-7
6/2/2009: 53.2 mg/kg Lab

RM-8-4
9/14/2006: < 82 mg/kg Field

RM-7-3
9/13/2006: < 77 mg/kg Field

RM-8-2
9/14/2006: < 37 mg/kg Field

RM-10-5
5/19/2009: 36.1 mg/kg Lab

RM-7-4
9/14/2006: < 71 mg/kg Field

RM-7-6
9/14/2006: < 150 mg/kg Field

RM-7-1
9/13/2006: < 82 mg/kg Field

RM-7-5
9/14/2006: < 160 mg/kg Field

RM-7-2
9/13/2006: 75 mg/kg J Lab
9/13/2006: < 77 mg/kg Field

RM-9-1
5/19/2009: 30.2 mg/kg Lab

RM-6-3
9/13/2006: < 140 mg/kg Field

RM-6-5
9/13/2006: < 77 mg/kg Field

RM-6-1
9/12/2006: < 39 mg/kg Field
9/13/2006: 5 mg/kg J Lab

RM-6-6
9/13/2006: < 52 mg/kg Field

RM-6-2
9/13/2006: < 77 mg/kg Field

RM-6-4
9/13/2006: < 110 mg/kg Field

RM-5-1
9/13/2006: < 100 mg/kg Field

RM-5-3
9/13/2006: < 82 mg/kg Field

RM-5-4
9/13/2006: < 77 mg/kg Field

6. RAW MATERIALS AREA

RM-5-2
9/12/2006: 112 mg/kg J Lab
9/12/2006: < 77 mg/kg Field

RM-5-5
9/13/2006: < 42 mg/kg Field

RM-5-6
9/13/2006: < 82 mg/kg Field

RM-4-4
9/13/2006: < 59 mg/kg Field

RM-4-5
9/14/2006: < 47 mg/kg Field

RM-4-3
9/13/2006: < 53 mg/kg Field

RM-4-1
9/12/2006: 108 mg/kg J Lab
9/12/2006: < 110 mg/kg Field

RM-4-2
9/13/2006: < 100 mg/kg Field

RM-4-6
9/13/2006: < 77 mg/kg Field

RM-3-5
9/13/2006: < 65 mg/kg Field

RM-3-1
9/13/2006: < 29 mg/kg Field

RM-3-4
9/13/2006: < 47 mg/kg Field

RM-2-3
9/12/2006: 16 mg/kg J Lab
9/12/2006: < 53 mg/kg Field

RM-3-3
9/12/2006: 50 mg/kg J Lab
9/12/2006: < 41 mg/kg Field

RM-2-1
9/13/2006: < 53 mg/kg Field

RM-3-2
9/13/2006: < 42 mg/kg Field

RM-2-4
9/13/2006: < 53 mg/kg Field

RM-3-6
9/13/2006: < 47 mg/kg Field

RM-2-7
6/2/2009: 69.9 mg/kg Lab

RM-2-5
9/13/2006: < 53 mg/kg Field

RM-2-6
9/13/2006: < 53 mg/kg Field

RM-1-1
9/14/2006: < 36 mg/kg Field

RM-1-6
9/13/2006: < 40 mg/kg Field

RM-2-2
9/13/2006: < 53 mg/kg Field

RM-1-4
9/13/2006: < 30 mg/kg Field

RM-1-5
9/13/2006: < 71 mg/kg Field

RM-1-2
9/12/2006: 82 mg/kg J Lab
9/12/2006: < 42 mg/kg Field

RM-1-3
9/13/2006: < 23 mg/kg Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-24

SWMU 6
NICKEL, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

6. RAW MATERIALS AREA

RM-4-7
6/2/2009: 4.4 mg/kg J Lab 2-3 ft

RM-3-7
6/2/2009: 3.7 mg/kg J Lab 3-4 ft

RM-3-8
6/2/2009: 6.2 mg/kg Lab 2.5-3.2 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

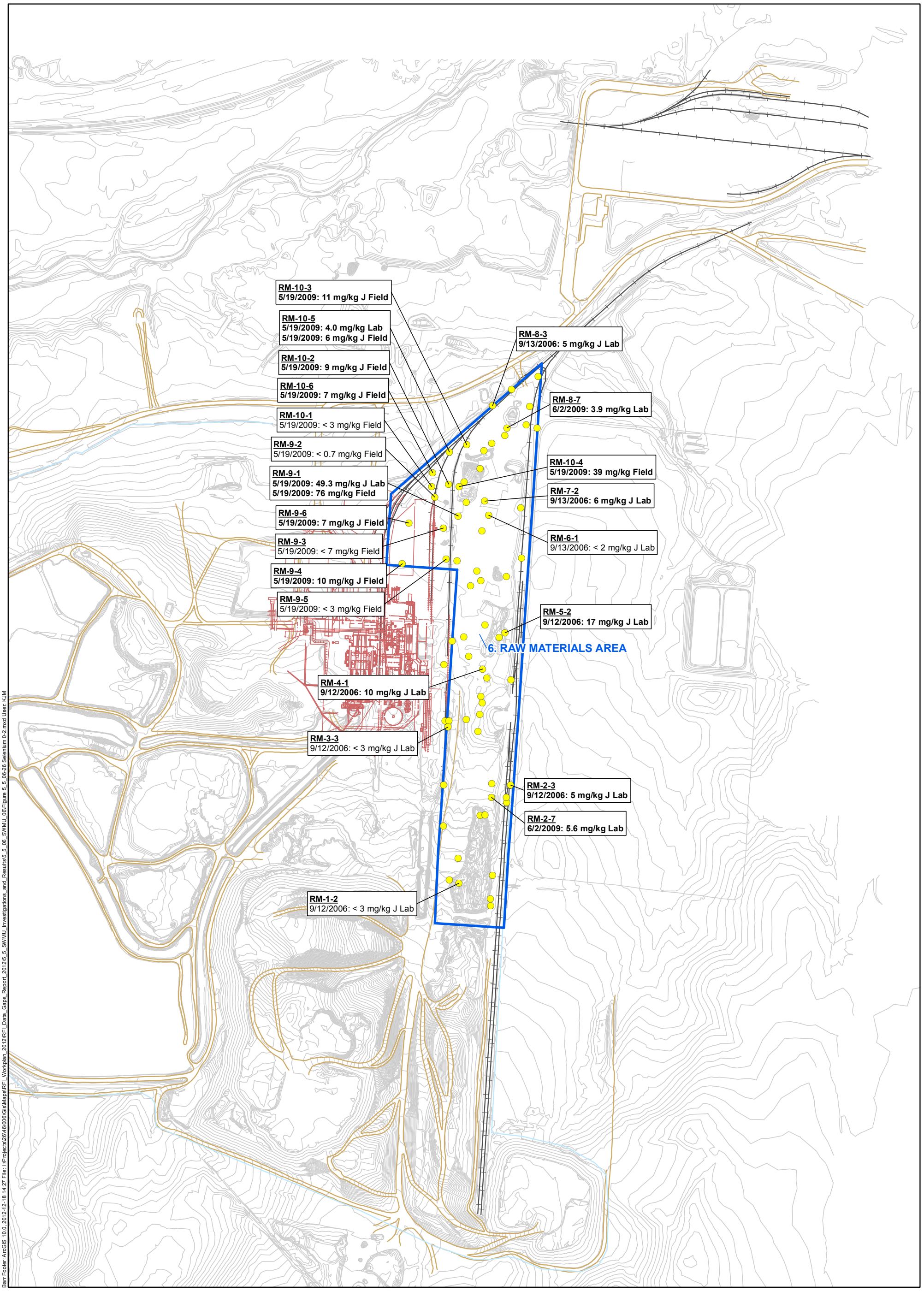
N

Feet
500 0 500

Figure 5.5.6-25

SWMU 6
NICKEL, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:26 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-25 Nickel Other Depths.mxd User: KJM



Barr Footer: ArcGIS 10.0, 2012-12-18 14:27 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-26 Selenium 0-2.mxd User: KJM

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

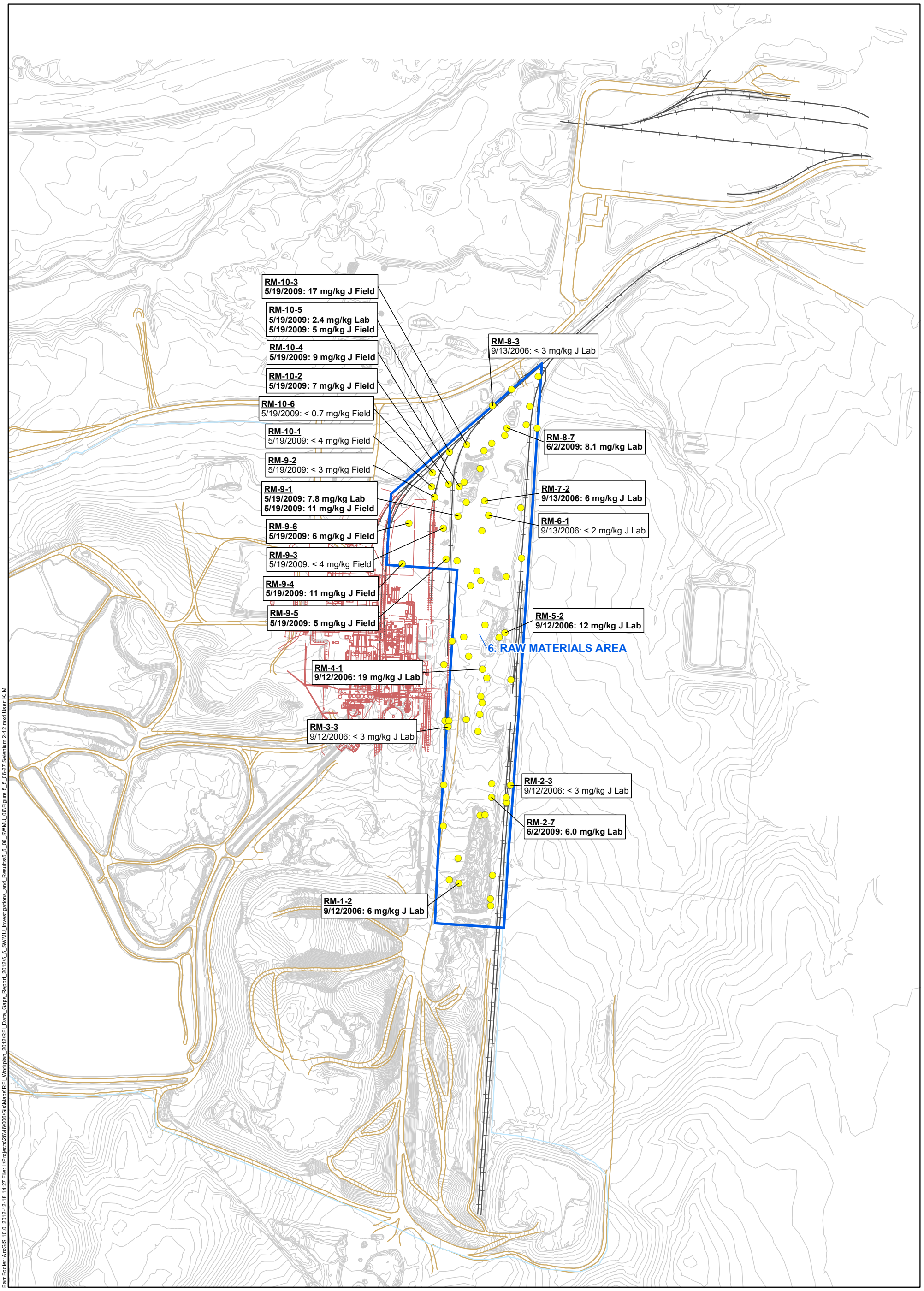
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-26

SWMU 6
SELENIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:27 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-27 Selenium 2-12.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-27

SWMU 6
SELENIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
5/15/2009: < 1 mg/kg Field 5-6 ft
5/15/2009: < 1 mg/kg Field 7-8 ft

RM-7-2
5/14/2009: < 1 mg/kg Field 6-7 ft
5/14/2009: < 0.7 mg/kg Field 8-9 ft

RM-6-1
5/14/2009: < 0.7 mg/kg Field 6.5-7.5 ft
5/14/2009: < 0.7 mg/kg Field 8.5-9.5 ft

RM-5-2
5/14/2009: < 1 mg/kg Field 2-3 ft
5/14/2009: < 0.7 mg/kg Field 4-5 ft

6. RAW MATERIALS AREA

RM-4-1
5/14/2009: < 1 mg/kg Field 3-4 ft
5/14/2009: < 1 mg/kg Field 5-6 ft

RM-4-7
6/2/2009: < 0.8 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: < 0.8 mg/kg Lab 3-4 ft

RM-3-3
5/13/2009: < 1 mg/kg Field 3-4 ft
5/13/2009: < 0.7 mg/kg Field 5-6 ft

RM-3-8
6/2/2009: < 0.8 mg/kg Lab 2.5-3.2 ft

RM-2-7
5/13/2009: < 0.7 mg/kg Field 2-3 ft
5/13/2009: < 1 mg/kg Field 4-5 ft

RM-1-2
5/13/2009: < 0.7 mg/kg Field 2-3 ft
5/13/2009: < 1 mg/kg Field 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-28

SWMU 6
SELENIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 8.5 mg/kg J Lab

RM-10-3
5/19/2009: < 0.4 mg/kg Field

RM-10-5
5/19/2009: 3.8 mg/kg Lab
5/19/2009: 6 mg/kg J Field

RM-10-4
5/19/2009: 7 mg/kg J Field

RM-10-6
5/19/2009: 1 mg/kg J Field

RM-10-2
5/19/2009: 6 mg/kg J Field

RM-10-1
5/19/2009: < 2 mg/kg Field

RM-9-2
5/19/2009: 7 mg/kg J Field

RM-9-6
5/19/2009: 9 mg/kg J Field

RM-9-3
5/19/2009: 44 mg/kg Field

RM-9-4
5/19/2009: 6 mg/kg J Field

RM-9-5
5/19/2009: < 0.4 mg/kg Field

RM-8-7
6/2/2009: 2.5 mg/kg Lab

RM-7-2
9/13/2006: 22.7 mg/kg J Lab

RM-6-1
9/13/2006: < 0.5 mg/kg J Lab

RM-9-1
5/19/2009: 5.8 mg/kg Lab
5/19/2009: 8 mg/kg J Field

RM-5-2
9/12/2006: 6.9 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: 7.0 mg/kg J Lab

RM-3-3
9/12/2006: 4.8 mg/kg J Lab

RM-2-3
9/12/2006: 7.2 mg/kg J Lab

RM-2-7
6/2/2009: 7.0 mg/kg Lab

RM-1-2
9/12/2006: 17.4 mg/kg J Lab

Barr Footer: ArcGIS 10.0, 2012-12-18 14:28 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-29 Silver 0-2.mxd User: KJM

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

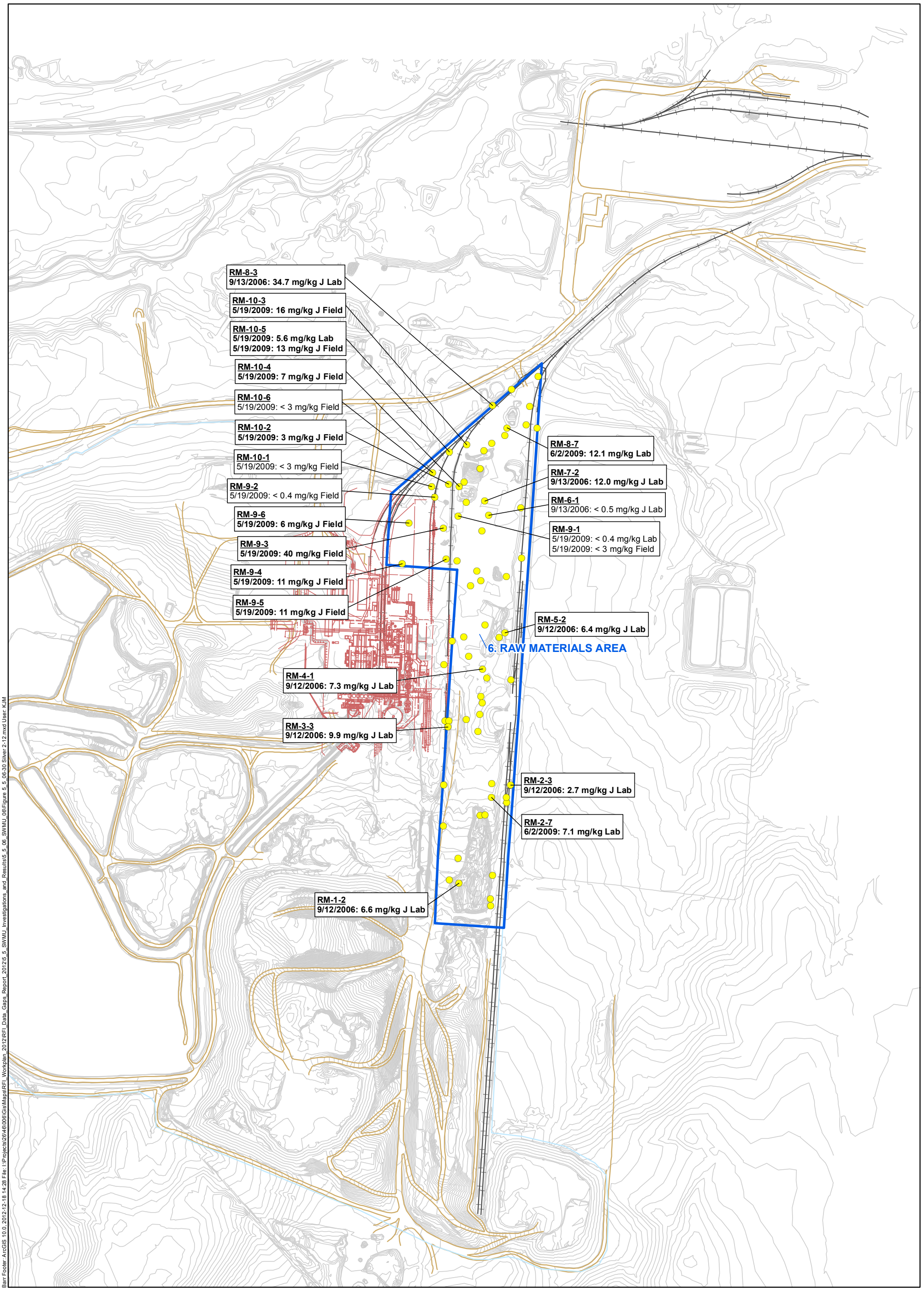
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-29

SWMU 6
SILVER, 0-2 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:28 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-30 Silver 2-12.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-30

SWMU 6
SILVER, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
5/15/2009: < 2 mg/kg Field 5-6 ft
5/15/2009: < 1 mg/kg Field 7-8 ft

RM-7-2
5/14/2009: < 0.4 mg/kg Field 6-7 ft
5/14/2009: < 1 mg/kg Field 8-9 ft

RM-6-1
5/14/2009: < 1 mg/kg Field 6.5-7.5 ft
5/14/2009: < 1 mg/kg Field 8.5-9.5 ft

RM-5-2
5/14/2009: < 1 mg/kg Field 2-3 ft
5/14/2009: < 1 mg/kg Field 4-5 ft

6. RAW MATERIALS AREA

RM-4-1
5/14/2009: < 0.4 mg/kg Field 3-4 ft
5/14/2009: < 1 mg/kg Field 5-6 ft

RM-4-7
6/2/2009: < 0.5 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: < 0.4 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: < 0.4 mg/kg Lab 2.5-3.2 ft

RM-3-3
5/13/2009: < 1 mg/kg Field 3-4 ft
5/13/2009: < 1 mg/kg Field 5-6 ft

RM-2-7
5/13/2009: < 1 mg/kg Field 2-3 ft
5/13/2009: < 1 mg/kg Field 4-5 ft

RM-1-2
5/13/2009: < 1 mg/kg Field 2-3 ft
5/13/2009: < 1 mg/kg Field 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

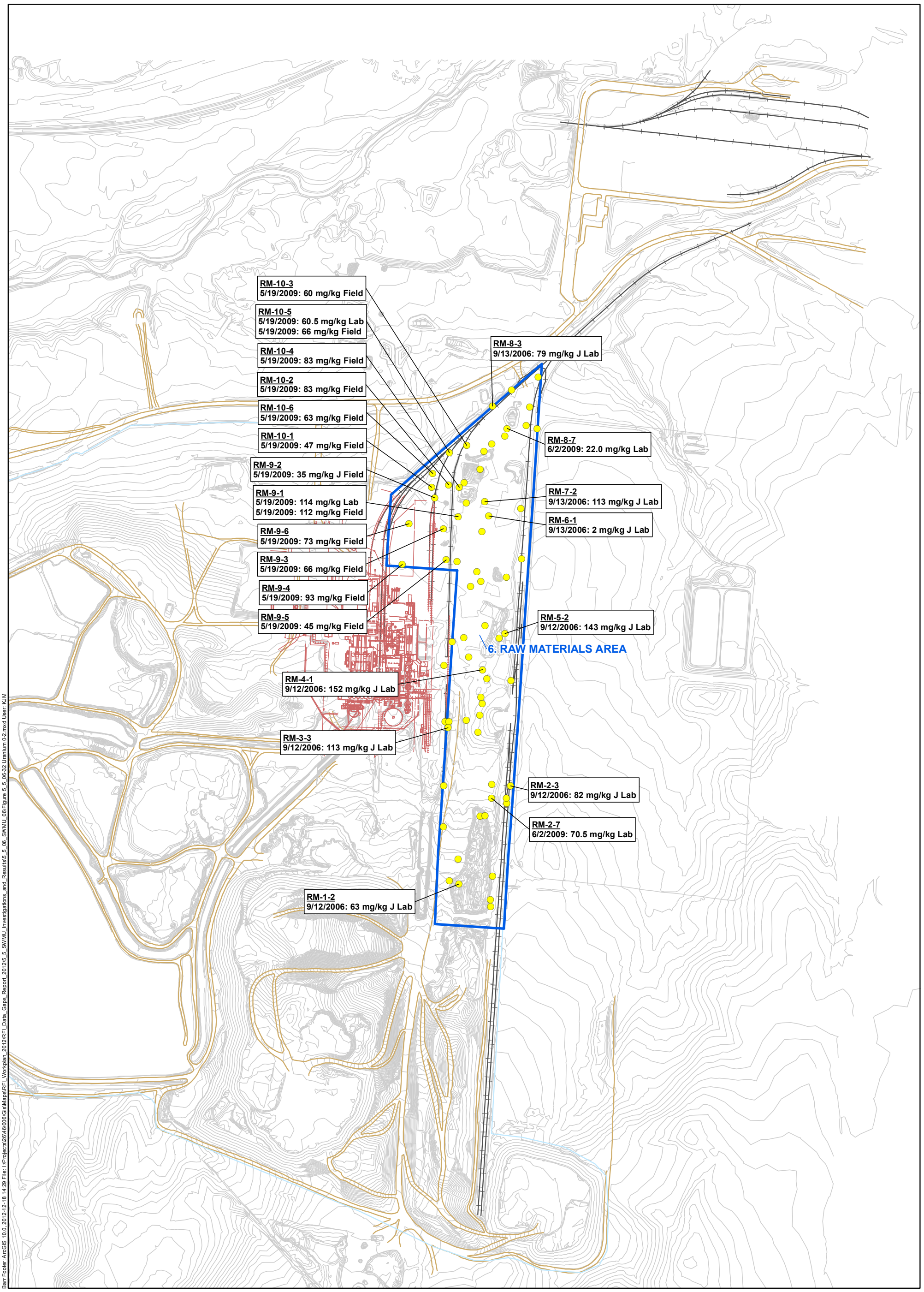
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-31

SWMU 6
SILVER, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:29 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-32 Uranium 0-2.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-32

SWMU 6
URANIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 51 mg/kg J Lab

RM-10-3
5/19/2009: 103 mg/kg Field

RM-10-5
5/19/2009: 33.1 mg/kg Lab
5/19/2009: 41 mg/kg Field

RM-10-4
5/19/2009: 112 mg/kg Field

RM-10-6
5/19/2009: 66 mg/kg Field

RM-10-2
5/19/2009: 83 mg/kg Field

RM-10-1
5/19/2009: 35 mg/kg J Field

RM-9-2
5/19/2009: 26 mg/kg J Field

RM-9-6
5/19/2009: 73 mg/kg Field

RM-9-3
5/19/2009: 1 mg/kg J Field

RM-9-4
5/19/2009: 72 mg/kg Field

RM-9-5
5/19/2009: 93 mg/kg Field

RM-8-7
6/2/2009: 50.1 mg/kg Lab

RM-7-2
9/13/2006: 93 mg/kg J Lab

RM-6-1
9/13/2006: 2 mg/kg J Lab

RM-9-1
5/19/2009: 114 mg/kg Lab
5/19/2009: 112 mg/kg Field

RM-5-2
9/12/2006: 127 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: 148 mg/kg J Lab

RM-3-3
9/12/2006: 114 mg/kg J Lab

RM-2-3
9/12/2006: 58 mg/kg J Lab

RM-2-7
6/2/2009: 90.9 mg/kg Lab

RM-1-2
9/12/2006: 75 mg/kg J Lab

Barr Footer: ArcGIS 10.0, 2012-12-18 14:31 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-33 Uranium 2-12.mxd User: KJM

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-33

SWMU 6
URANIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
5/15/2009: < 9 mg/kg Field 5-6 ft
5/15/2009: < 8 mg/kg Field 7-8 ft

RM-7-2
5/14/2009: < 9 mg/kg Field 6-7 ft
5/14/2009: < 8 mg/kg Field 8-9 ft

RM-6-1
5/14/2009: < 7 mg/kg Field 6.5-7.5 ft
5/14/2009: < 7 mg/kg Field 8.5-9.5 ft

RM-5-2
5/14/2009: < 6 mg/kg Field 2-3 ft
5/14/2009: < 7 mg/kg Field 4-5 ft

6. RAW MATERIALS AREA

RM-4-1
5/14/2009: < 8 mg/kg Field 3-4 ft
5/14/2009: < 7 mg/kg Field 5-6 ft

RM-4-7
6/2/2009: 2.220 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 2.790 mg/kg Lab 3-4 ft

RM-3-3
5/13/2009: < 8 mg/kg Field 3-4 ft
5/13/2009: < 6 mg/kg Field 5-6 ft

RM-3-8
6/2/2009: 2.020 mg/kg Lab 2.5-3.2 ft

RM-2-7
5/13/2009: < 7 mg/kg Field 2-3 ft
5/13/2009: < 6 mg/kg Field 4-5 ft

RM-1-2
5/13/2009: < 7 mg/kg Field 2-3 ft
5/13/2009: < 7 mg/kg Field 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-34

SWMU 6
URANIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 638 mg/kg J Lab

RM-10-3
5/19/2009: 945 mg/kg Field

RM-10-5
5/19/2009: 255 mg/kg Lab
5/19/2009: 675 mg/kg Field

RM-10-4
5/19/2009: 870 mg/kg Field

RM-10-6
5/19/2009: 540 mg/kg Field

RM-10-2
5/19/2009: 495 mg/kg Field

RM-10-1
5/19/2009: 360 mg/kg Field

RM-9-2
5/19/2009: 375 mg/kg Field

RM-9-6
5/19/2009: 330 mg/kg Field

RM-9-3
5/19/2009: 225 mg/kg Field

RM-9-4
5/19/2009: 390 mg/kg Field

RM-9-5
5/19/2009: 255 mg/kg Field

RM-8-6
5/19/2009: 2690 mg/kg Lab

RM-8-1
5/19/2009: 405 mg/kg Lab

RM-8-5
5/19/2009: 3440 mg/kg Lab

RM-8-4
5/19/2009: 906 mg/kg Lab

RM-8-7
6/2/2009: 327 mg/kg Lab

RM-7-2
9/13/2006: 1160 mg/kg J Lab

RM-6-1
9/13/2006: 22 mg/kg J Lab
5/19/2009: 53.1 mg/kg Lab

RM-9-1
5/19/2009: 973 mg/kg Lab
5/19/2009: 1005 mg/kg Field

RM-5-2
9/12/2006: 952 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: 802 mg/kg J Lab

RM-3-3
9/12/2006: 308 mg/kg J Lab

RM-2-3
9/12/2006: 330 mg/kg J Lab

RM-2-7
6/2/2009: 416 mg/kg Lab

RM-1-2
9/12/2006: 266 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

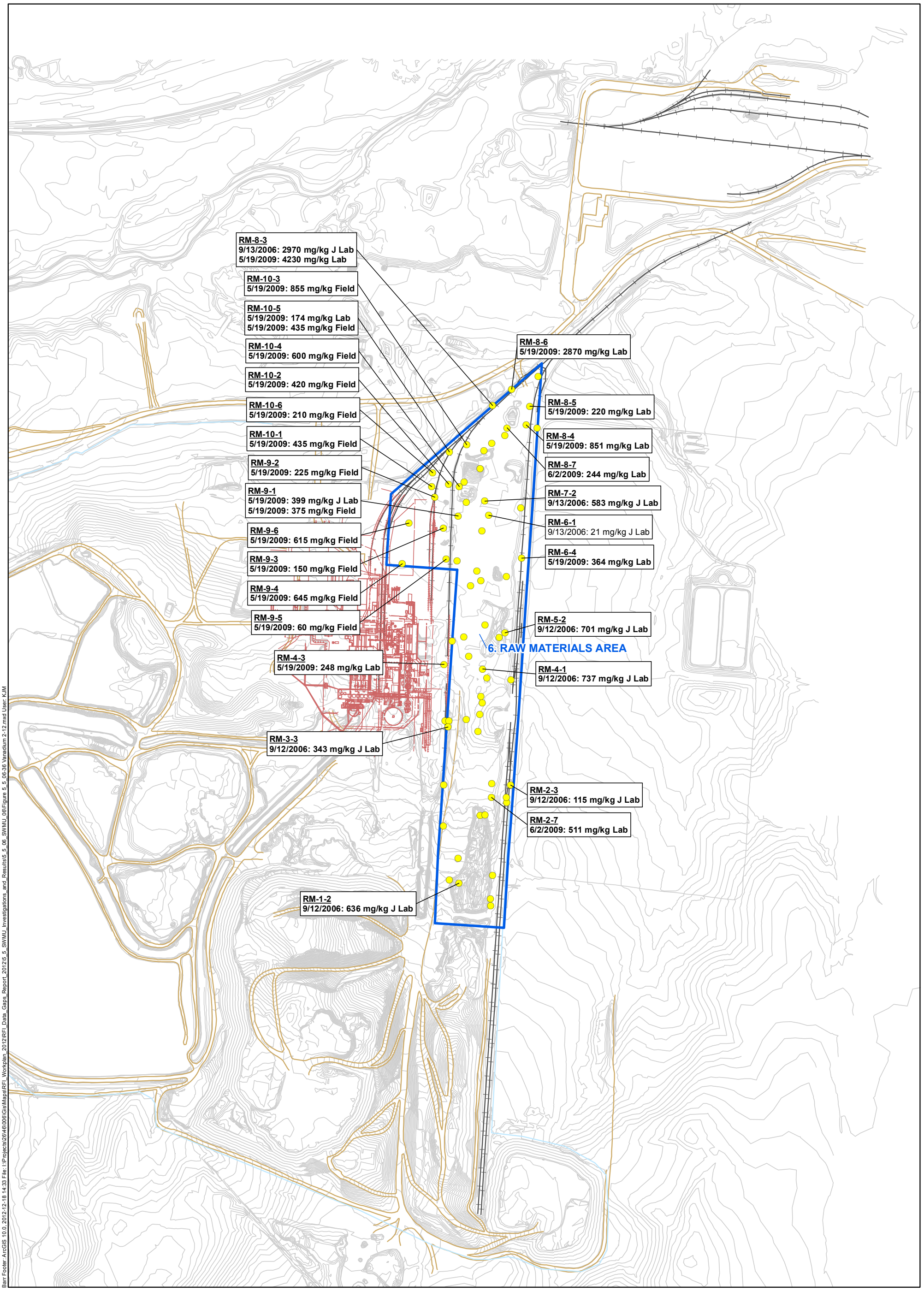
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-35

SWMU 6
VANADIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:33 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-36 Vanadium 2-12.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-36

SWMU 6
VANADIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
5/15/2009: 90 mg/kg J Field 5-6 ft
5/15/2009: < 2 mg/kg Field 7-8 ft

RM-7-2
5/14/2009: < 2 mg/kg Field 6-7 ft
5/14/2009: 3 mg/kg J Field 8-9 ft

RM-6-1
5/14/2009: < 2 mg/kg Field 6.5-7.5 ft
5/14/2009: < 2 mg/kg Field 8.5-9.5 ft

RM-5-2
5/14/2009: 30 mg/kg J Field 2-3 ft
5/14/2009: < 2 mg/kg Field 4-5 ft

6. RAW MATERIALS AREA

RM-4-1
5/14/2009: < 2 mg/kg Field 3-4 ft
5/14/2009: 9 mg/kg J Field 5-6 ft

RM-4-7
6/2/2009: 33.9 mg/kg Lab 2-3 ft

RM-3-3
5/13/2009: < 2 mg/kg Field 3-4 ft
5/13/2009: < 11 mg/kg Field 5-6 ft

RM-3-7
6/2/2009: 23.9 mg/kg J Lab 3-4 ft

RM-3-8
6/2/2009: 35.5 mg/kg Lab 2.5-3.2 ft

RM-2-7
5/13/2009: < 2 mg/kg Field 2-3 ft
5/13/2009: < 2 mg/kg Field 4-5 ft

RM-1-2
5/13/2009: < 8 mg/kg Field 2-3 ft
5/13/2009: < 15 mg/kg Field 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-37

SWMU 6
VANADIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:35 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-37 Vanadium Other Depths.mxd User: KJM

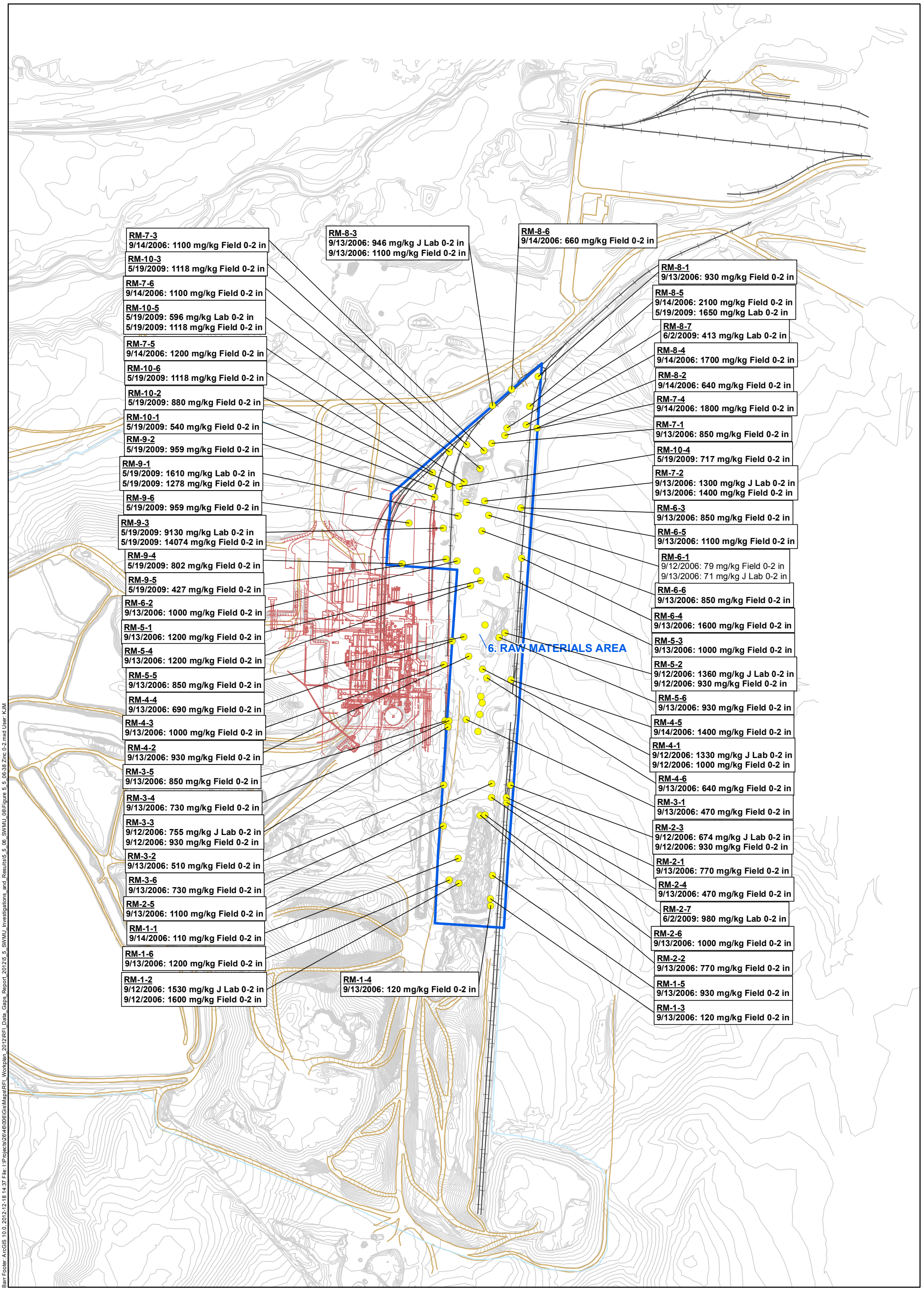


Figure 5.5.6-38

SWMU 6
ZINC, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 419 mg/kg J Lab
9/13/2006: 850 mg/kg Field

RM-8-6
9/14/2006: 620 mg/kg Field

RM-7-3
9/13/2006: 720 mg/kg Field

RM-10-3
5/19/2009: 1849 mg/kg Field

RM-7-6
9/14/2006: 1100 mg/kg Field

RM-10-5
5/19/2009: 1300 mg/kg Lab
5/19/2009: 3364 mg/kg Field

RM-7-5
9/14/2006: 1100 mg/kg Field

RM-10-6
5/19/2009: 164 mg/kg Field

RM-10-2
5/19/2009: 670 mg/kg Field

RM-10-1
5/19/2009: 265 mg/kg Field

RM-9-2
5/19/2009: 571 mg/kg Field

RM-9-1
5/19/2009: 338 mg/kg J Lab
5/19/2009: 207 mg/kg Field

RM-9-6
5/19/2009: 1278 mg/kg Field

RM-9-3
5/19/2009: 12200 mg/kg Lab
5/19/2009: 13135 mg/kg Field

RM-9-4
5/19/2009: 1198 mg/kg Field

RM-9-5
5/19/2009: 880 mg/kg Field

RM-6-2
9/13/2006: 850 mg/kg Field

RM-5-1
9/13/2006: 1500 mg/kg Field

RM-5-4
9/13/2006: 1100 mg/kg Field

RM-5-5
9/13/2006: 510 mg/kg Field

RM-4-4
9/13/2006: 850 mg/kg Field

RM-4-3
9/13/2006: 1100 mg/kg Field

RM-4-2
9/13/2006: 1000 mg/kg Field

RM-3-5
9/13/2006: 1000 mg/kg Field

RM-3-4
9/13/2006: 480 mg/kg Field

RM-3-3
9/12/2006: 721 mg/kg J Lab
9/12/2006: 750 mg/kg Field

RM-3-2
9/13/2006: 380 mg/kg Field

RM-3-6
9/13/2006: 310 mg/kg Field

RM-2-5
9/13/2006: 1400 mg/kg Field

RM-1-1
9/14/2006: 400 mg/kg Field

RM-1-6
9/13/2006: 1000 mg/kg Field

RM-1-2
9/12/2006: 687 mg/kg J Lab
9/12/2006: 460 mg/kg Field

RM-1-4
9/13/2006: 1100 mg/kg Field

6. RAW MATERIALS AREA

RM-8-1
9/13/2006: 1600 mg/kg Field

RM-8-5
9/14/2006: 2100 mg/kg Field
5/19/2009: 1620 mg/kg Lab

RM-8-7
6/2/2009: 1420 mg/kg Lab

RM-8-4
9/14/2006: 2000 mg/kg Field
5/19/2009: 1820 mg/kg Lab

RM-8-2
9/14/2006: 95 mg/kg Field

RM-7-4
9/14/2006: 1000 mg/kg Field

RM-7-1
9/13/2006: 770 mg/kg Field

RM-10-4
5/19/2009: 724 mg/kg Field

RM-7-2
9/13/2006: 1210 mg/kg J Lab
9/13/2006: 1200 mg/kg Field

RM-6-3
9/13/2006: 1200 mg/kg Field

RM-6-5
9/13/2006: 1500 mg/kg Field

RM-6-1
9/12/2006: 79 mg/kg Field
9/13/2006: 56 mg/kg J Lab

RM-6-6
9/13/2006: 480 mg/kg Field

RM-6-4
9/13/2006: 2100 mg/kg Field
5/19/2009: 595 mg/kg Lab

RM-5-3
9/13/2006: 1100 mg/kg Field

RM-5-2
9/12/2006: 1250 mg/kg J Lab
9/12/2006: 930 mg/kg Field

RM-5-6
9/13/2006: 930 mg/kg Field

RM-4-5
9/14/2006: 640 mg/kg Field

RM-4-1
9/12/2006: 1310 mg/kg J Lab
9/12/2006: 1100 mg/kg Field

RM-4-6
9/13/2006: 670 mg/kg Field

RM-3-1
9/13/2006: 430 mg/kg Field

RM-2-3
9/12/2006: 281 mg/kg J Lab
9/12/2006: 550 mg/kg Field

RM-2-1
9/13/2006: 270 mg/kg Field

RM-2-4
9/13/2006: 380 mg/kg Field

RM-2-7
6/2/2009: 1130 mg/kg Lab

RM-2-6
9/13/2006: 620 mg/kg Field

RM-2-2
9/13/2006: 760 mg/kg Field

RM-1-5
9/13/2006: 1100 mg/kg Field

RM-1-3
9/13/2006: 240 mg/kg Field

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

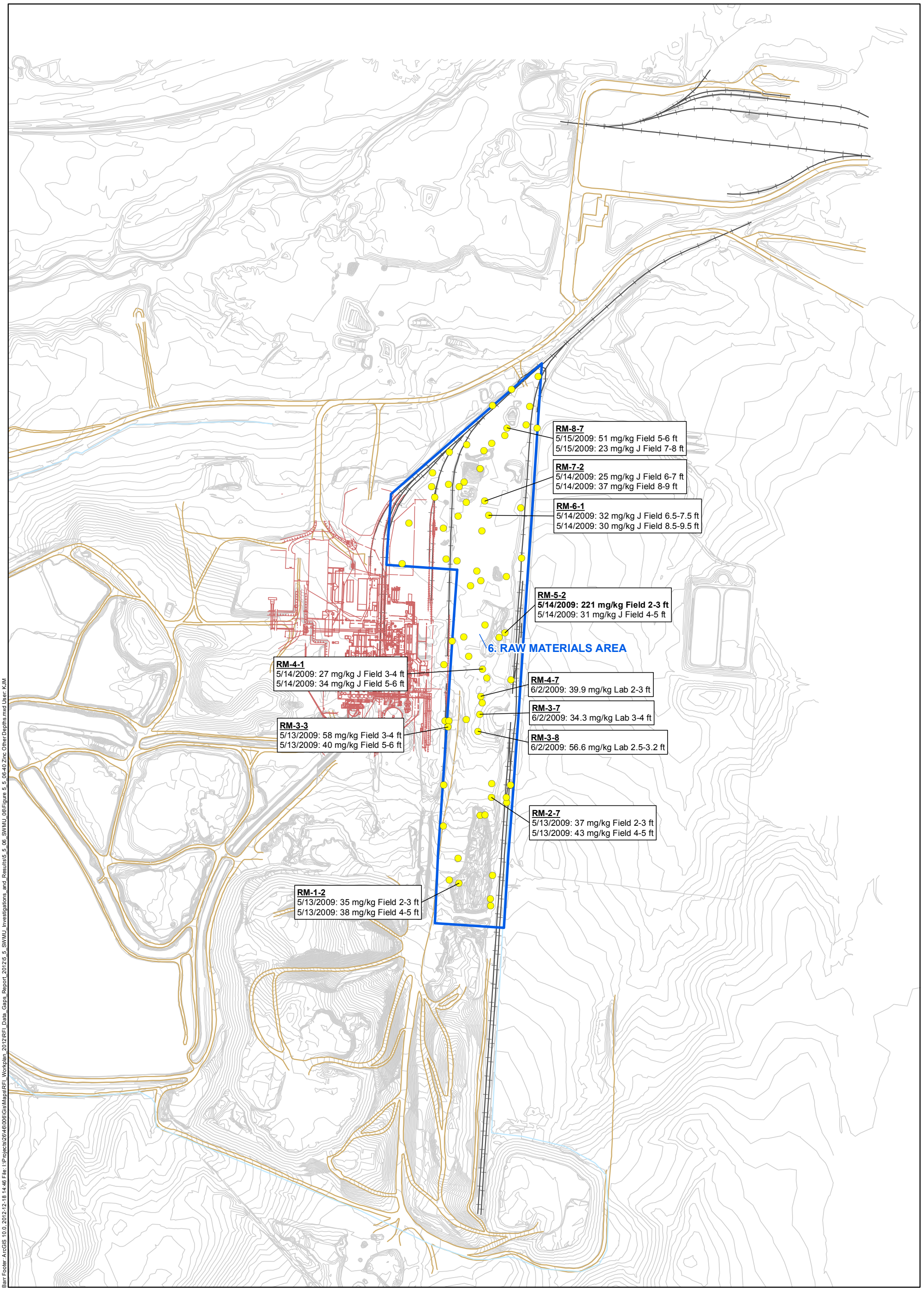
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-39

SWMU 6
ZINC, 2-12 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:46 File: I:\Projects\26\46\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-40 Zinc OtherDepths.mxd User: KJM

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

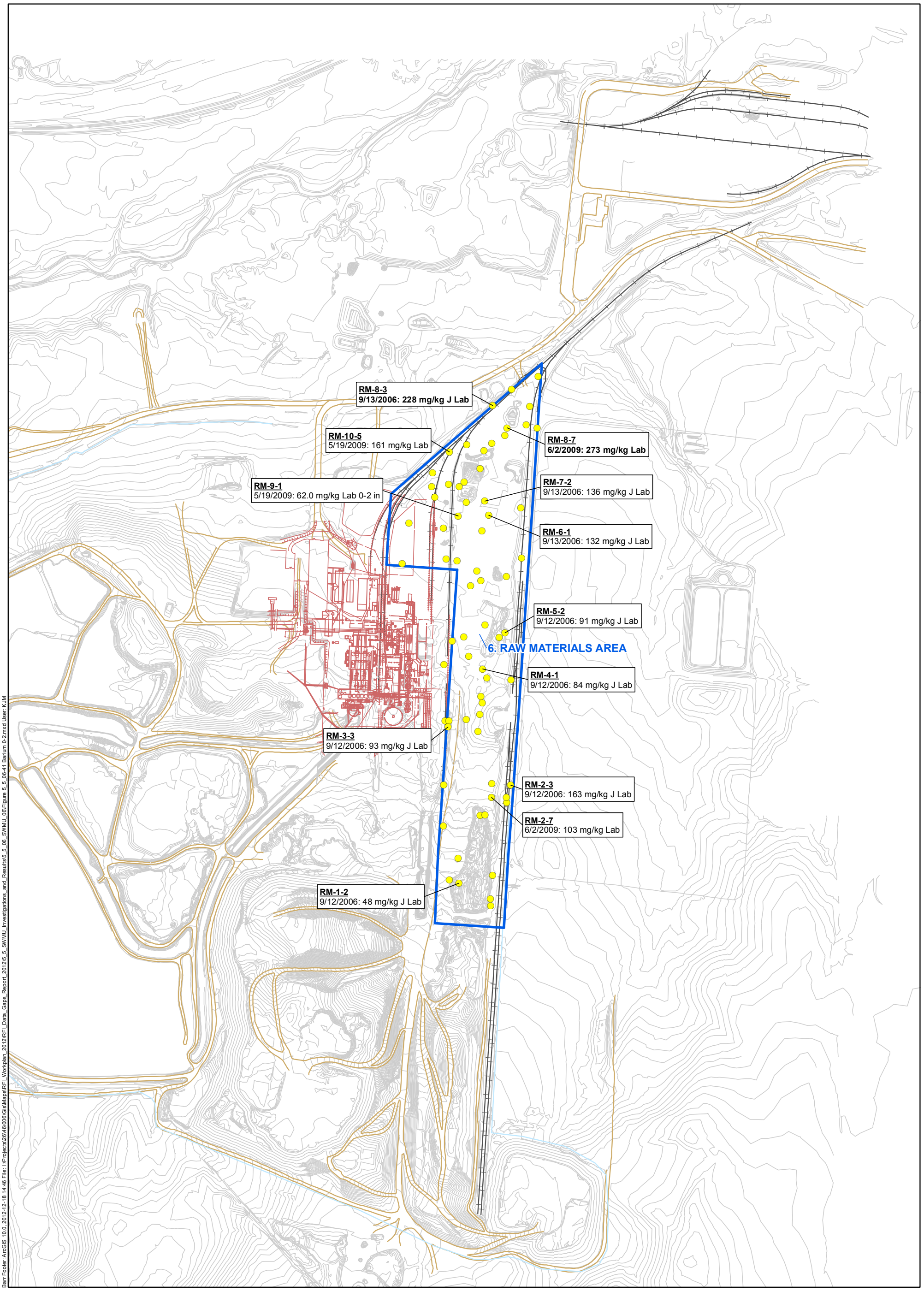
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-40

SWMU 6
ZINC, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:46 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-41 Barium 0-2.mxd User: K.JM

- Sample Location
- SMWU 6
- Elevation Contour
- Drainage
- Railroad
- Road
- Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-41

SWMU 6
BARIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
Barium (9/13/2006): 94 mg/kg J Lab

RM-10-5
Barium (5/19/2009): 146 mg/kg Lab

RM-8-7
Barium (6/2/2009): 129 mg/kg Lab

RM-6-1
Barium (9/13/2006): 107 mg/kg J Lab

RM-7-2
Barium (9/13/2006): 148 mg/kg J Lab

RM-9-1
Barium (5/19/2009): 447 mg/kg Lab

RM-5-2
Barium (9/12/2006): 82 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
Barium (9/12/2006): 82 mg/kg J Lab

RM-3-3
Barium (9/12/2006): 102 mg/kg J Lab

RM-2-3
Barium (9/12/2006): 229 mg/kg J Lab

RM-2-7
Barium (6/2/2009): 133 mg/kg Lab

RM-1-2
Barium (9/12/2006): 98 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-42

SWMU 6
BARIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:47 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-42 Barium 2-12.mxd User: KJM

6. RAW MATERIALS AREA

RM-3-7
Barium (6/2/2009): 178 mg/kg Lab

RM-4-7
Barium (6/2/2009): 231 mg/kg Lab

RM-3-8
Barium (6/2/2009): 269 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-43

SWMU 6
BARIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: < 2 mg/kg J Lab

RM-10-5
5/19/2009: 1.66 mg/kg Lab

RM-8-7
6/2/2009: 1.61 mg/kg Lab

RM-7-2
9/13/2006: < 2 mg/kg J Lab

RM-9-1
5/19/2009: 1.76 mg/kg Lab

RM-6-1
9/13/2006: < 2 mg/kg J Lab

RM-5-2
9/12/2006: < 2 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: < 2 mg/kg J Lab

RM-3-3
9/12/2006: < 2 mg/kg J Lab

RM-2-3
9/12/2006: < 2 mg/kg J Lab

RM-2-7
6/2/2009: 1.20 mg/kg Lab

RM-1-2
9/12/2006: < 2 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-44

SWMU 6
BERYLLIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: < 2 mg/kg J Lab

RM-10-5
5/19/2009: 0.90 mg/kg J Lab

RM-8-7
6/2/2009: 1.22 mg/kg Lab

RM-7-2
9/13/2006: < 2 mg/kg J Lab

RM-9-1
5/19/2009: 1.90 mg/kg J Lab

RM-6-1
9/13/2006: < 2 mg/kg J Lab

RM-5-2
9/12/2006: < 2 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: < 2 mg/kg J Lab

RM-3-3
9/12/2006: < 2 mg/kg J Lab

RM-2-3
9/12/2006: < 2 mg/kg J Lab

RM-2-7
6/2/2009: 1.37 mg/kg Lab

RM-1-2
9/12/2006: < 2 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

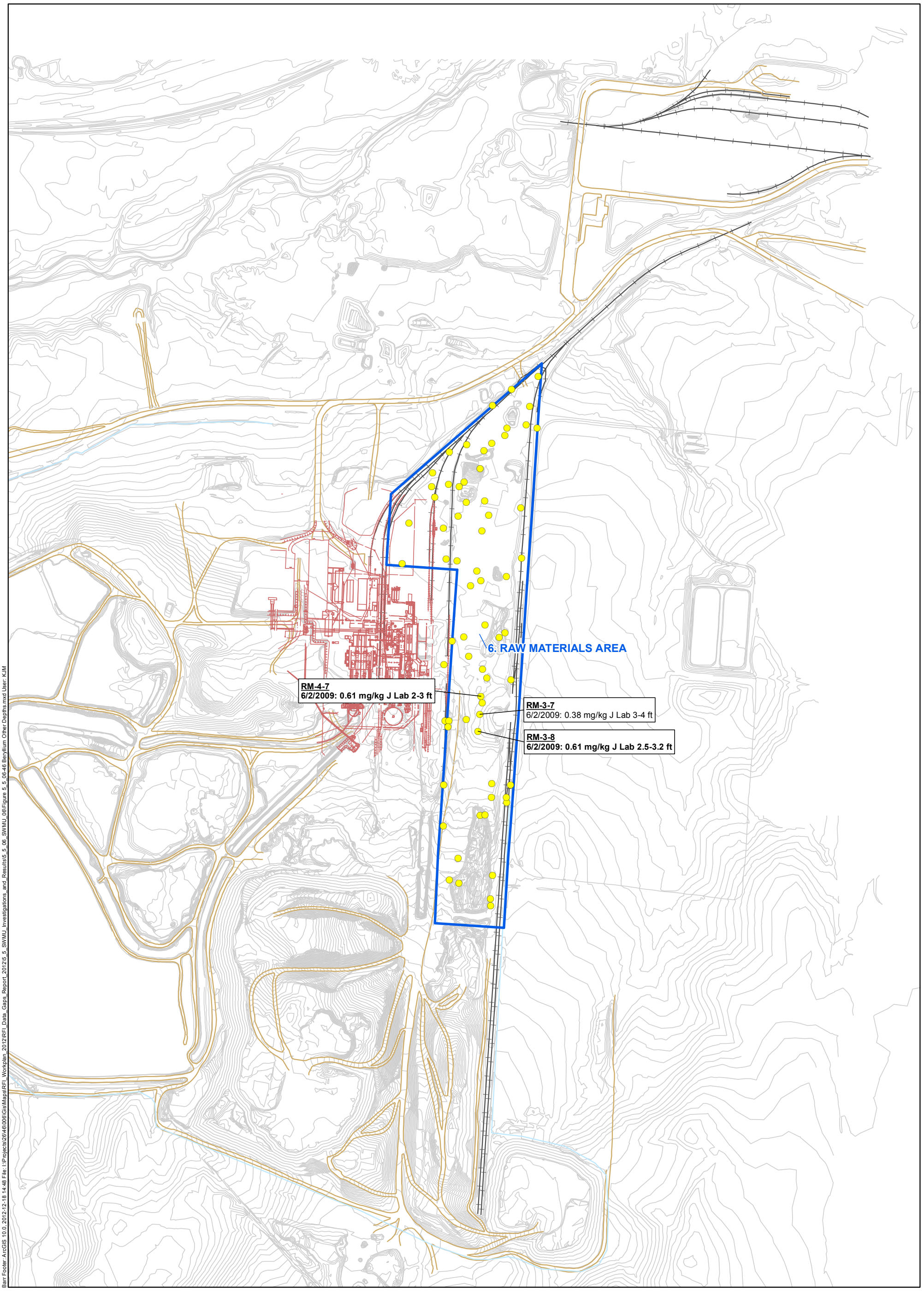
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-45

SWMU 6
BERYLLIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:48 File: I:\Projects\26\46\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-46 Beryllium Other Depths.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

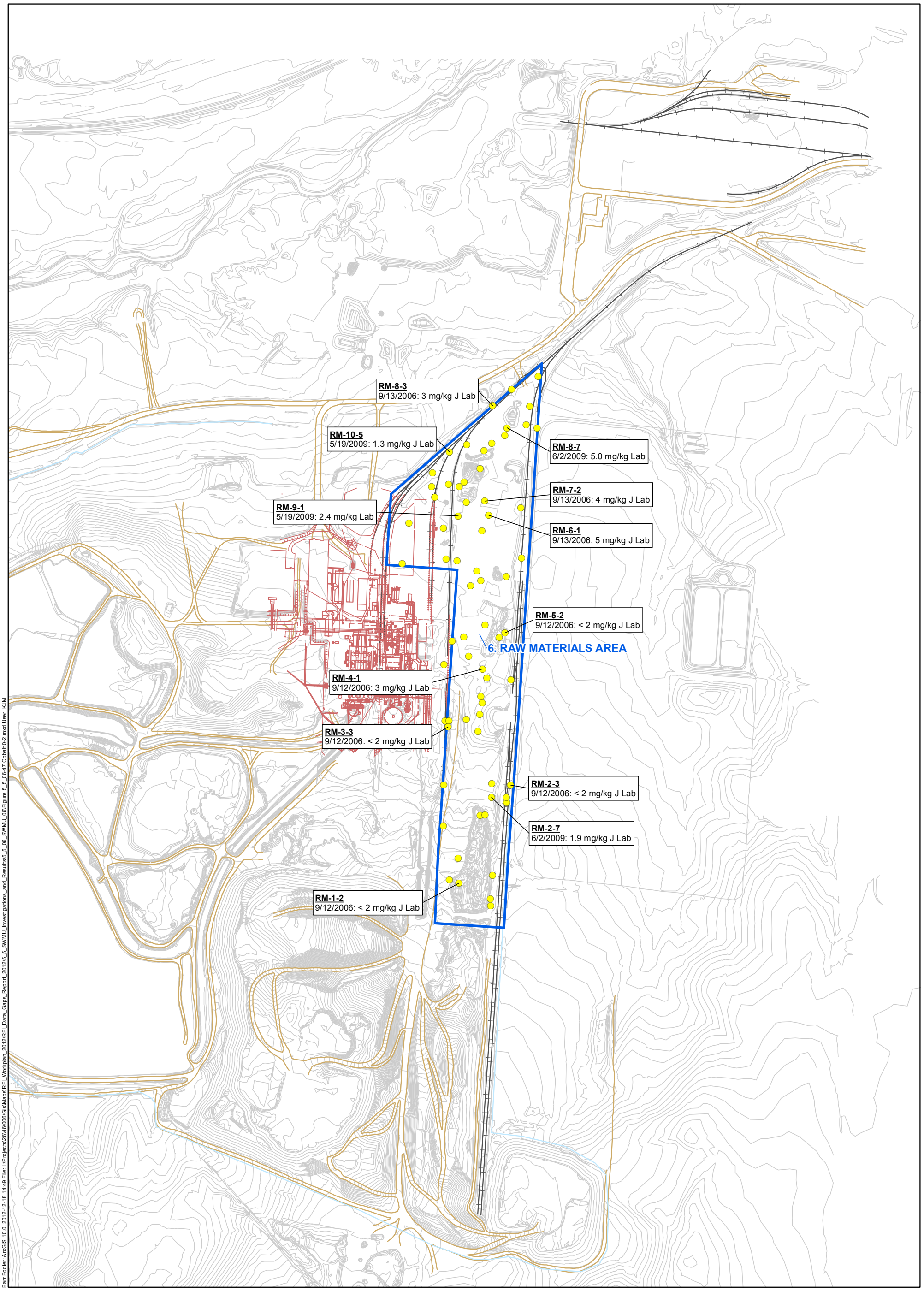
N

Feet

500 0 500

Figure 5.5.6-46

SWMU 6
BERYLLIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:49 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-47 Cobalt 0-2.mxd User: KJM

- Sample Location
- SMWU 6
- Elevation Contour
- Drainage
- Railroad
- Road
- Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

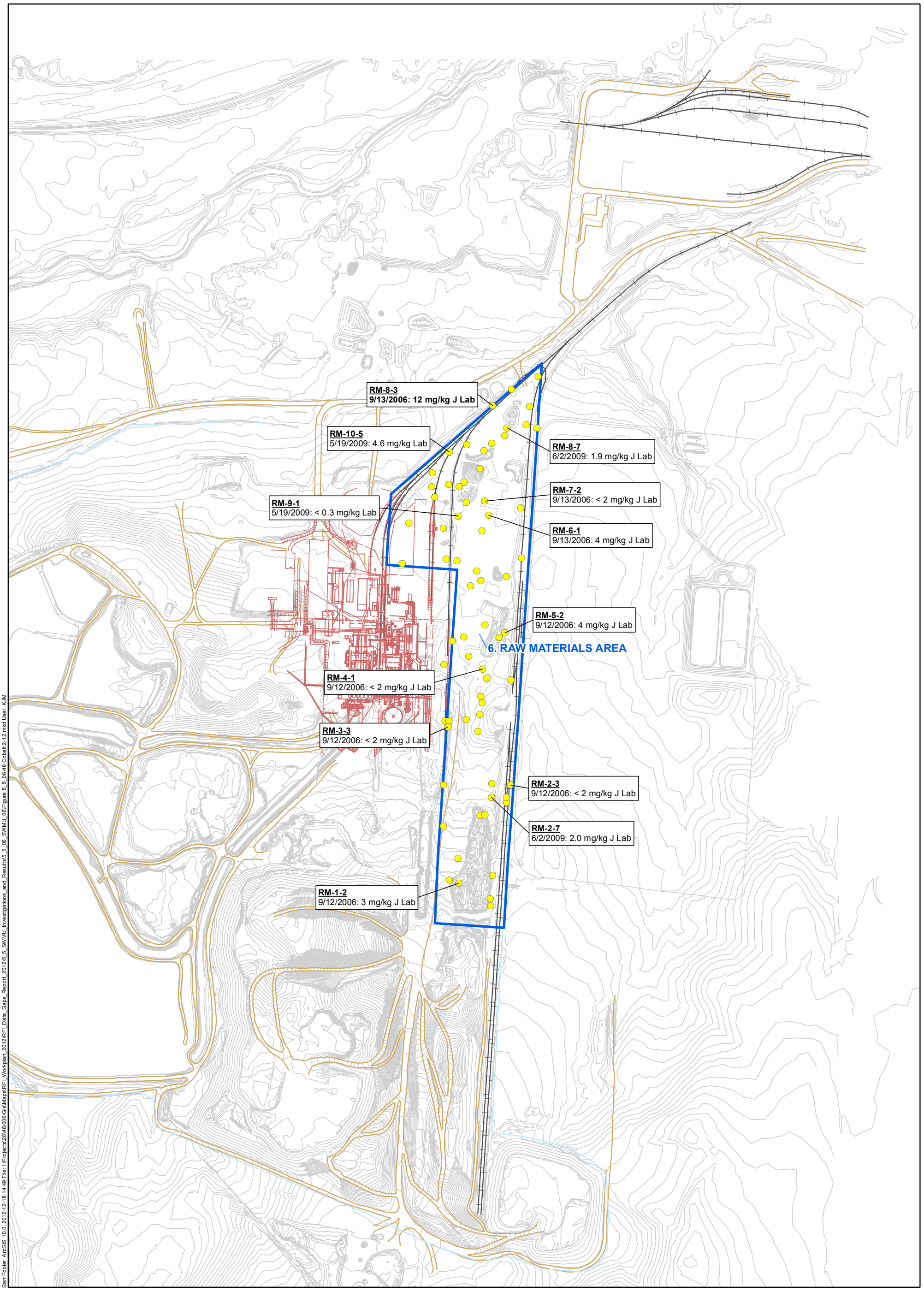
N

Feet

500 0 500

Figure 5.5.6-47

SWMU 6
COBALT, 0-2 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:49 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-48 Cobalt 2-12.mxd User: KJM

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-48

SWMU 6
COBALT, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

6. RAW MATERIALS AREA

RM-4-7
6/2/2009: 5.2 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 4.5 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: 8.6 mg/kg Lab 2.5-3.2 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-49

SWMU 6
COBALT, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 0.2 mg/kg Lab

RM-10-5
5/19/2009: 0.060 mg/kg Lab

RM-8-7
6/2/2009: 0.074 mg/kg Lab

RM-9-1
5/19/2009: 0.401 mg/kg Lab

RM-7-2
9/13/2006: 0.30 mg/kg Lab

RM-6-1
9/13/2006: < 0.1 mg/kg Lab

RM-5-2
9/12/2006: 0.4 mg/kg Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: 0.30 mg/kg Lab

RM-3-3
9/12/2006: < 0.1 mg/kg Lab

RM-2-3
9/12/2006: < 0.1 mg/kg Lab

RM-2-7
6/2/2009: 0.151 mg/kg Lab

RM-1-2
9/12/2006: < 0.1 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-50

SWMU 6
MERCURY, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 0.1 mg/kg Lab

RM-10-5
5/19/2009: 0.106 mg/kg Lab

RM-8-7
6/2/2009: 0.390 mg/kg Lab

RM-9-1
5/19/2009: 4.330 mg/kg Lab

RM-7-2
9/13/2006: 0.2 mg/kg Lab

RM-6-1
9/13/2006: < 0.1 mg/kg Lab

RM-5-2
9/12/2006: 0.4 mg/kg Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: 0.4 mg/kg Lab

RM-3-3
9/12/2006: 0.1 mg/kg Lab

RM-2-3
9/12/2006: < 0.1 mg/kg Lab

RM-2-7
6/2/2009: 0.187 mg/kg Lab

RM-1-2
9/12/2006: 0.30 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

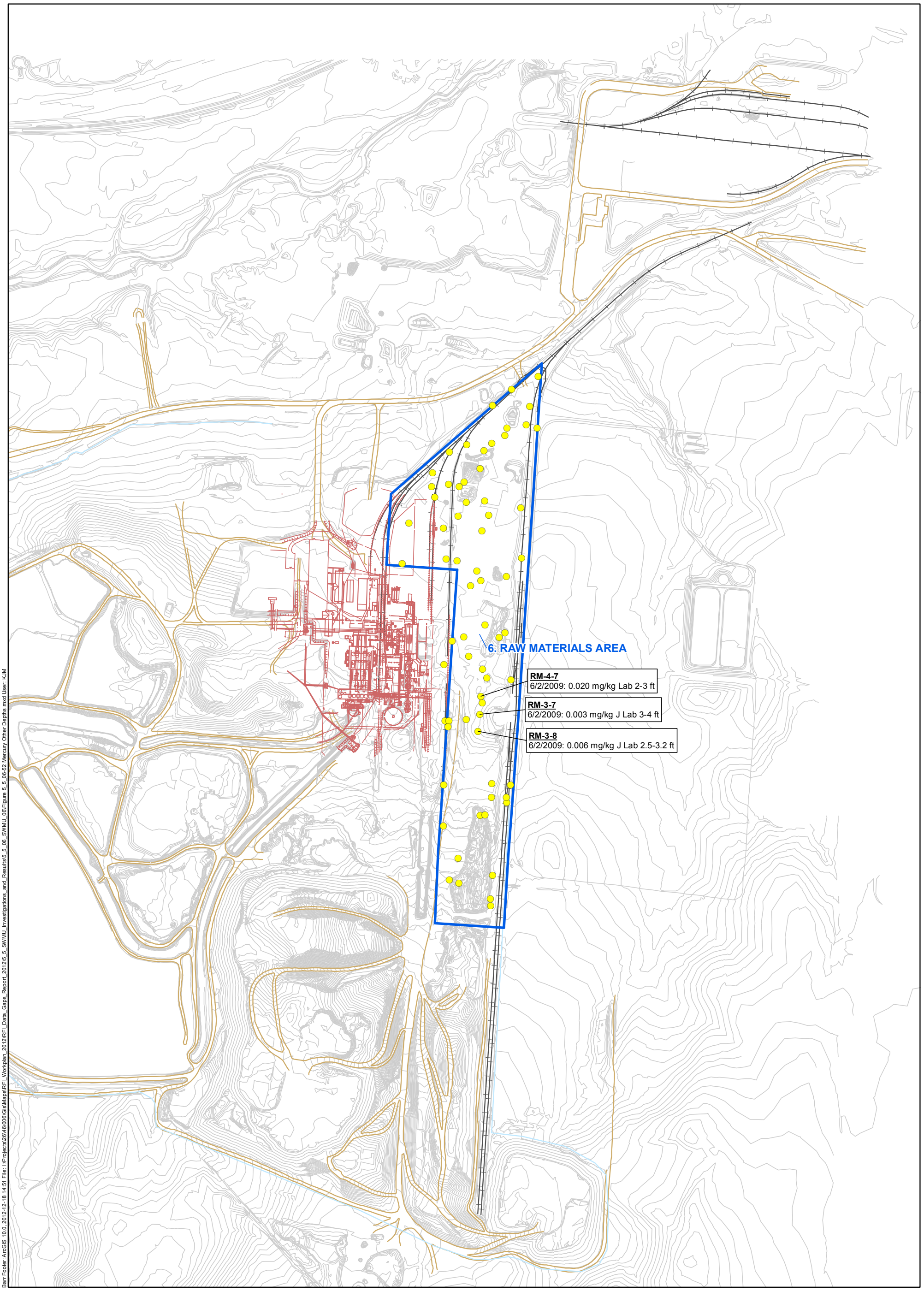
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-51

SWMU 6
MERCURY, 2-12 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:51 File: I:\Projects\2648\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-52 Mercury Other Depths.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

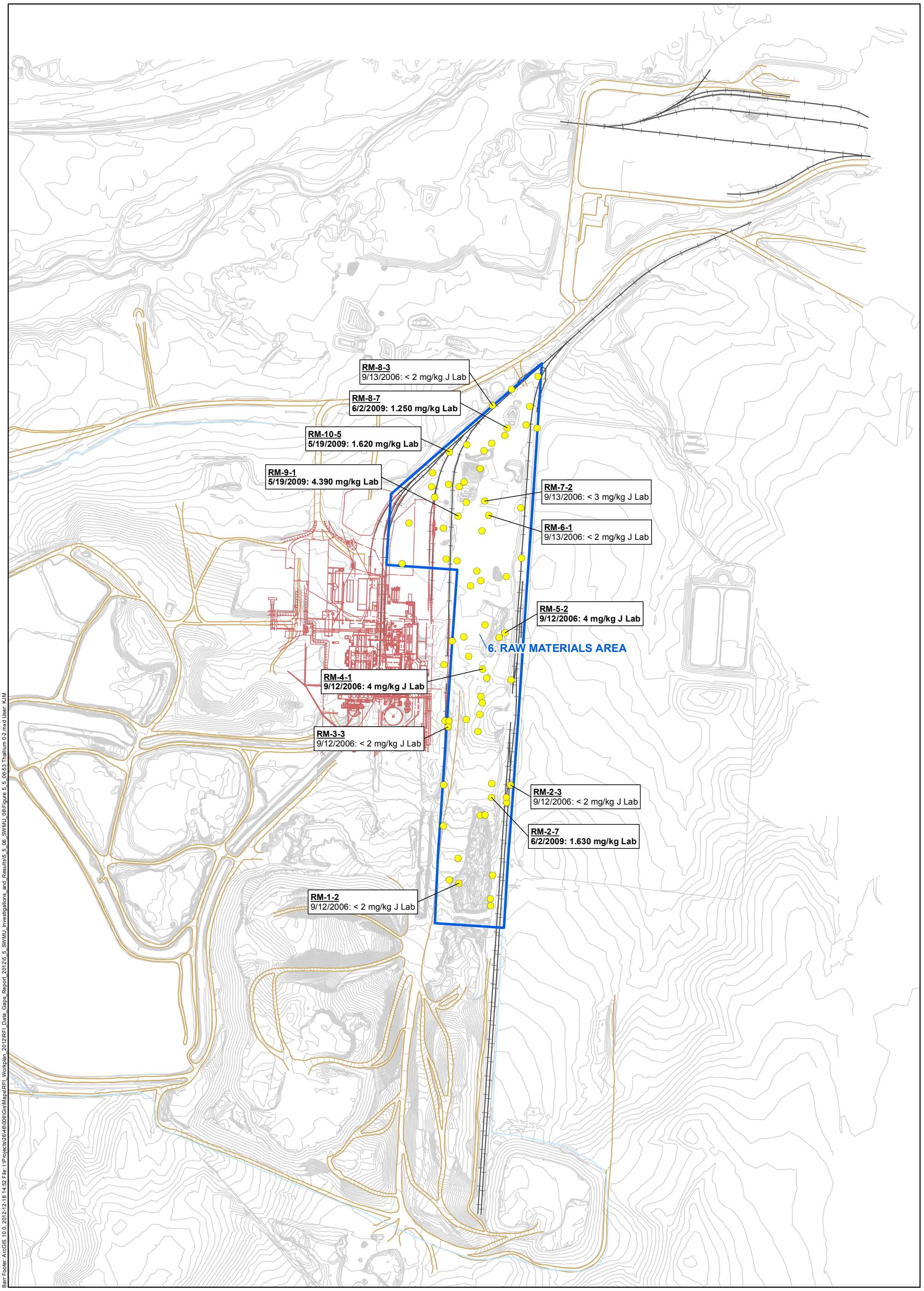
N

Feet

500 0 500

Figure 5.5.6-52

SWMU 6
MERCURY, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:52 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-53 Thallium 0-2.mxd User: KJM

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-53

SWMU 6
THALLIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
9/13/2006: 2 mg/kg J Lab

RM-8-7
6/2/2009: 2.270 mg/kg Lab

RM-10-5
5/19/2009: 1.350 mg/kg Lab

RM-9-1
5/19/2009: 9.570 mg/kg Lab

RM-7-2
9/13/2006: < 2 mg/kg J Lab

RM-6-1
9/13/2006: < 2 mg/kg J Lab

RM-5-2
9/12/2006: < 3 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: < 3 mg/kg J Lab

RM-3-3
9/12/2006: 2 mg/kg J Lab

RM-2-3
9/12/2006: < 2 mg/kg J Lab

RM-2-7
6/2/2009: 1.810 mg/kg Lab

RM-1-2
9/12/2006: < 2 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-54

SWMU 6
THALLIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

6. RAW MATERIALS AREA

RM-4-7
6/2/2009: 0.346 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 0.258 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: 0.352 mg/kg Lab 2.5-3.2 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-55

SWMU 6
THALLIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:53 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-55 Thallium Other Depths.mxd User: KJM

RM-8-3
9/13/2006: 177000 mg/kg J Lab

RM-10-5
5/19/2009: 213000 mg/kg Lab

RM-8-7
6/2/2009: 70800 mg/kg Lab

RM-9-1
5/19/2009: 230000 mg/kg Lab

RM-7-2
9/13/2006: 218000 mg/kg J Lab

RM-6-1
9/13/2006: 3350 mg/kg J Lab

RM-5-2
9/12/2006: 250000 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: 244000 mg/kg J Lab

RM-3-3
9/12/2006: 195000 mg/kg J Lab

RM-2-3
9/12/2006: 230000 mg/kg J Lab

RM-2-7
6/2/2009: 190000 mg/kg Lab

RM-1-2
9/12/2006: 139000 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-56

SWMU 6
CALCIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:53 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-56 Calcium 0-2.mxd User: KJM

RM-8-3
9/13/2006: 98800 mg/kg J Lab

RM-10-5
5/19/2009: 108000 mg/kg Lab

RM-8-7
6/2/2009: 190000 mg/kg Lab

RM-9-1
5/19/2009: 278000 mg/kg Lab

RM-7-2
9/13/2006: 206000 mg/kg J Lab

RM-6-1
9/13/2006: 3500 mg/kg J Lab

RM-5-2
9/12/2006: 237000 mg/kg J Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: 258000 mg/kg J Lab

RM-3-3
9/12/2006: 194000 mg/kg J Lab

RM-2-3
9/12/2006: 223000 mg/kg J Lab

RM-2-7
6/2/2009: 222000 mg/kg Lab

RM-1-2
9/12/2006: 145000 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-57

SWMU 6
CALCIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:53 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-57 Calcium 2-12.mxd User: KJM

6. RAW MATERIALS AREA

RM-4-7
6/2/2009: 6460 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 4170 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: 5100 mg/kg Lab 2.5-3.2 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

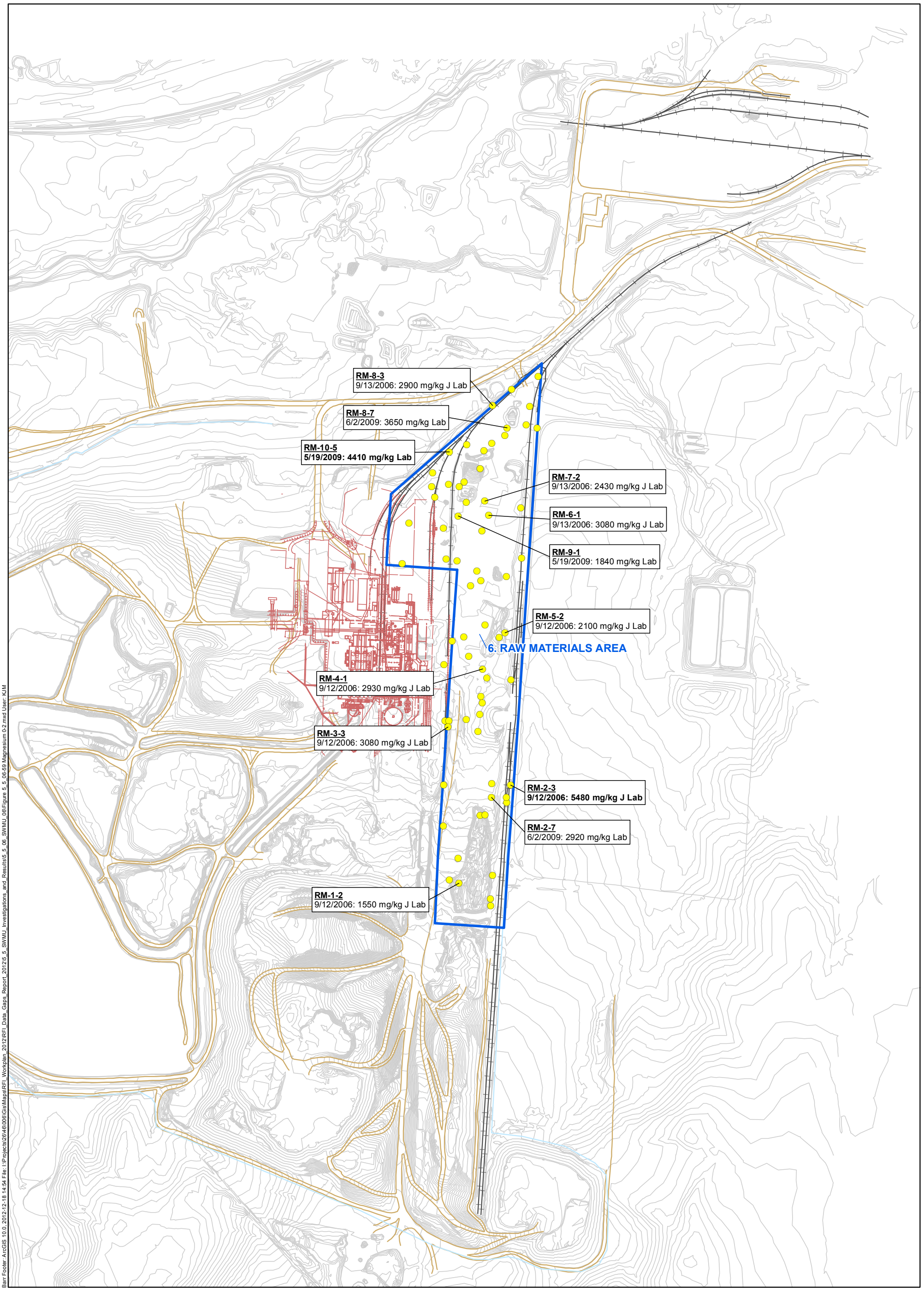
N

Feet
500 0 500

Figure 5.5.6-58

SWMU 6
CALCIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:54 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-58 Calcium Other Depths.mxd User: KJM



Barr Footer: ArcGIS 10.0, 2012-12-18 14:54 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-59 Magnesium 0-2.mxd User: KJM

- Sample Location
- SMWU 6
- Elevation Contour
- Drainage
- Railroad
- Road
- Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

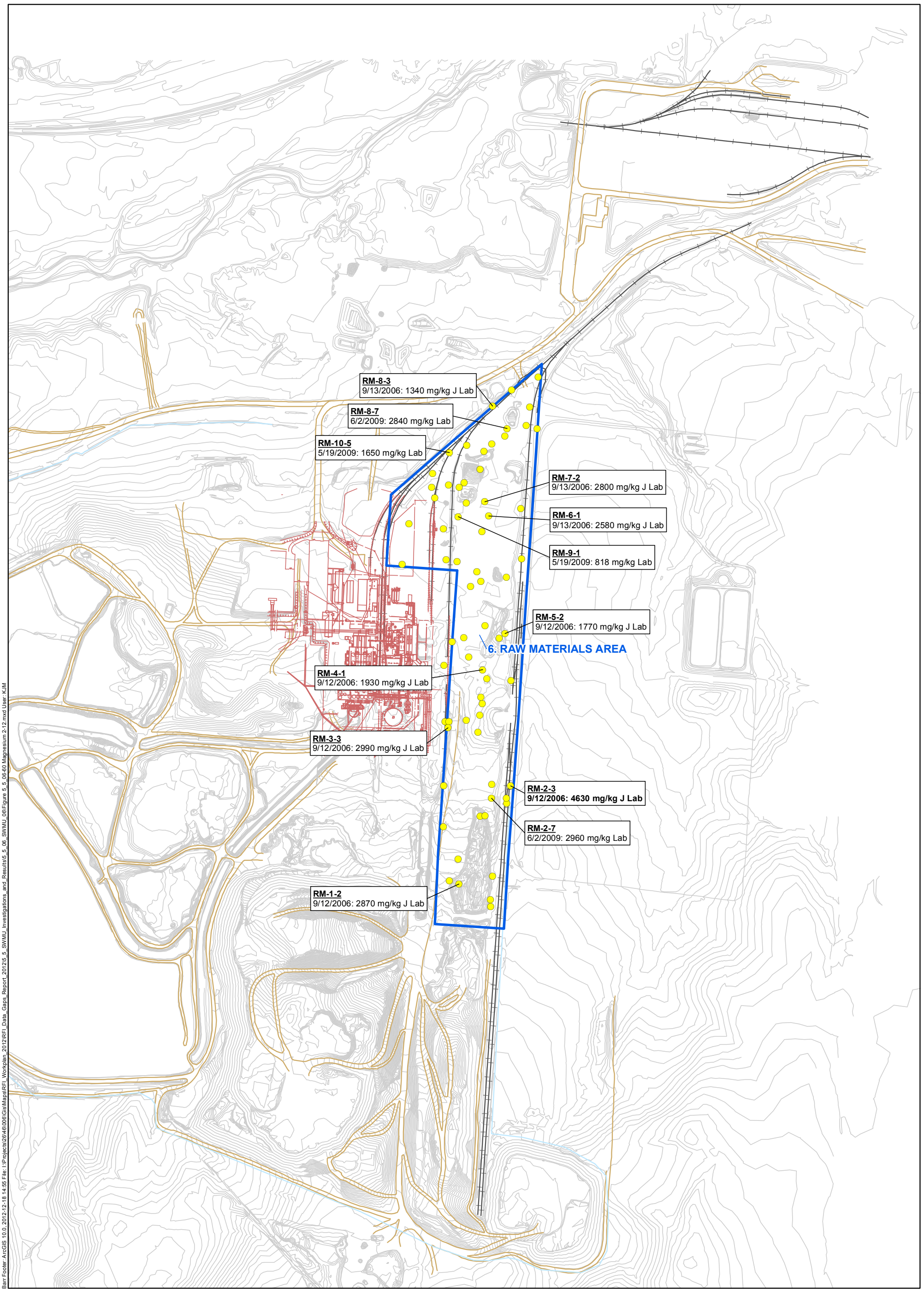
N

Feet

500 0 500

Figure 5.5.6-59

SWMU 6
MAGNESIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:55 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-60 Magnesium 2-12.mxd User: KJM

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-60

SWMU 6
MAGNESIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

6. RAW MATERIALS AREA

RM-4-7
6/2/2009: 4340 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 3260 mg/kg J Lab 3-4 ft

RM-3-8
6/2/2009: 5500 mg/kg Lab 2.5-3.2 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

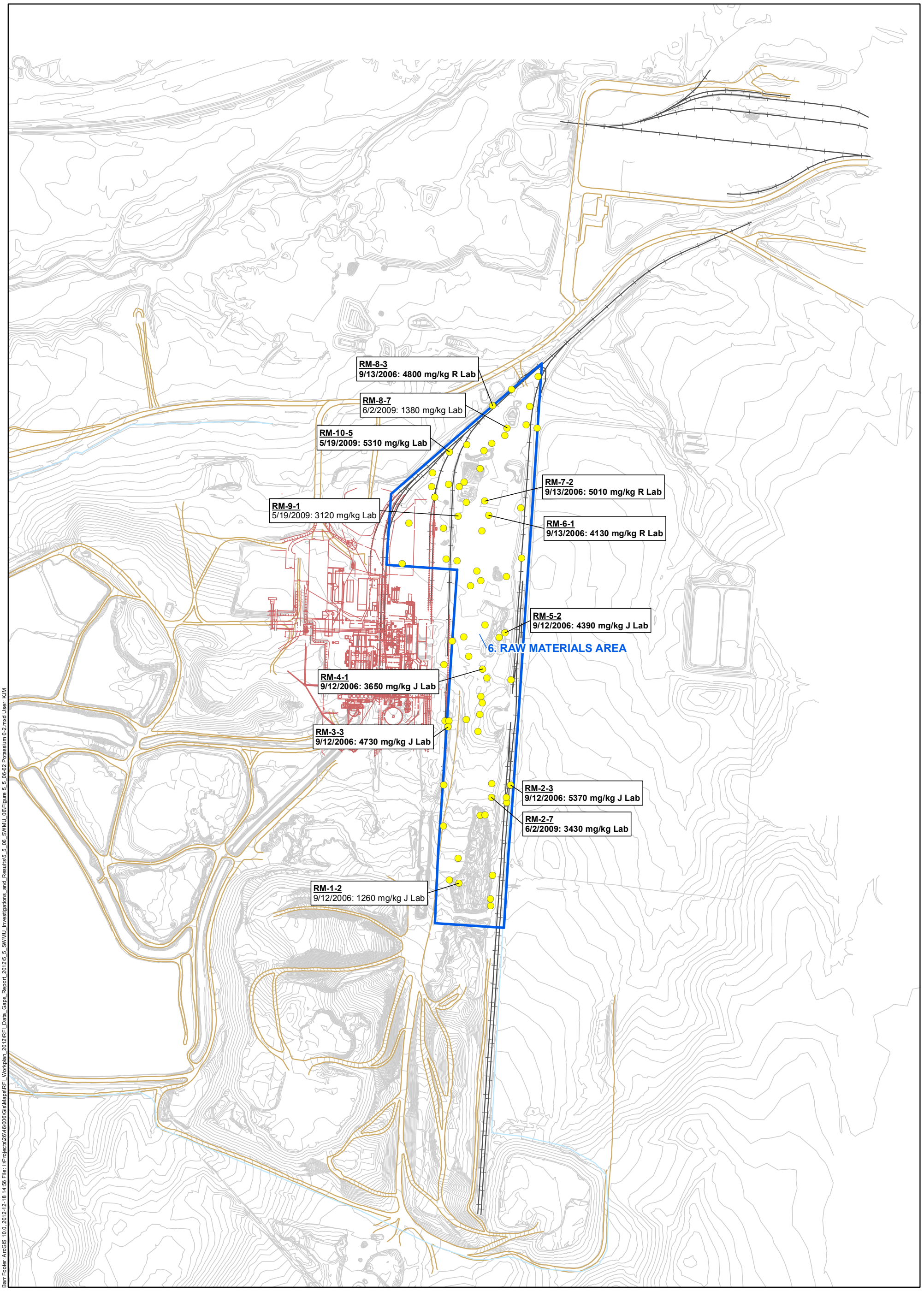
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-61

SWMU 6
MAGNESIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:56 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-62 Potassium 0-2.mxd User: KJM

- Sample Location
- SMWU 6
- Elevation Contour
- Drainage
- Railroad
- Road
- Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

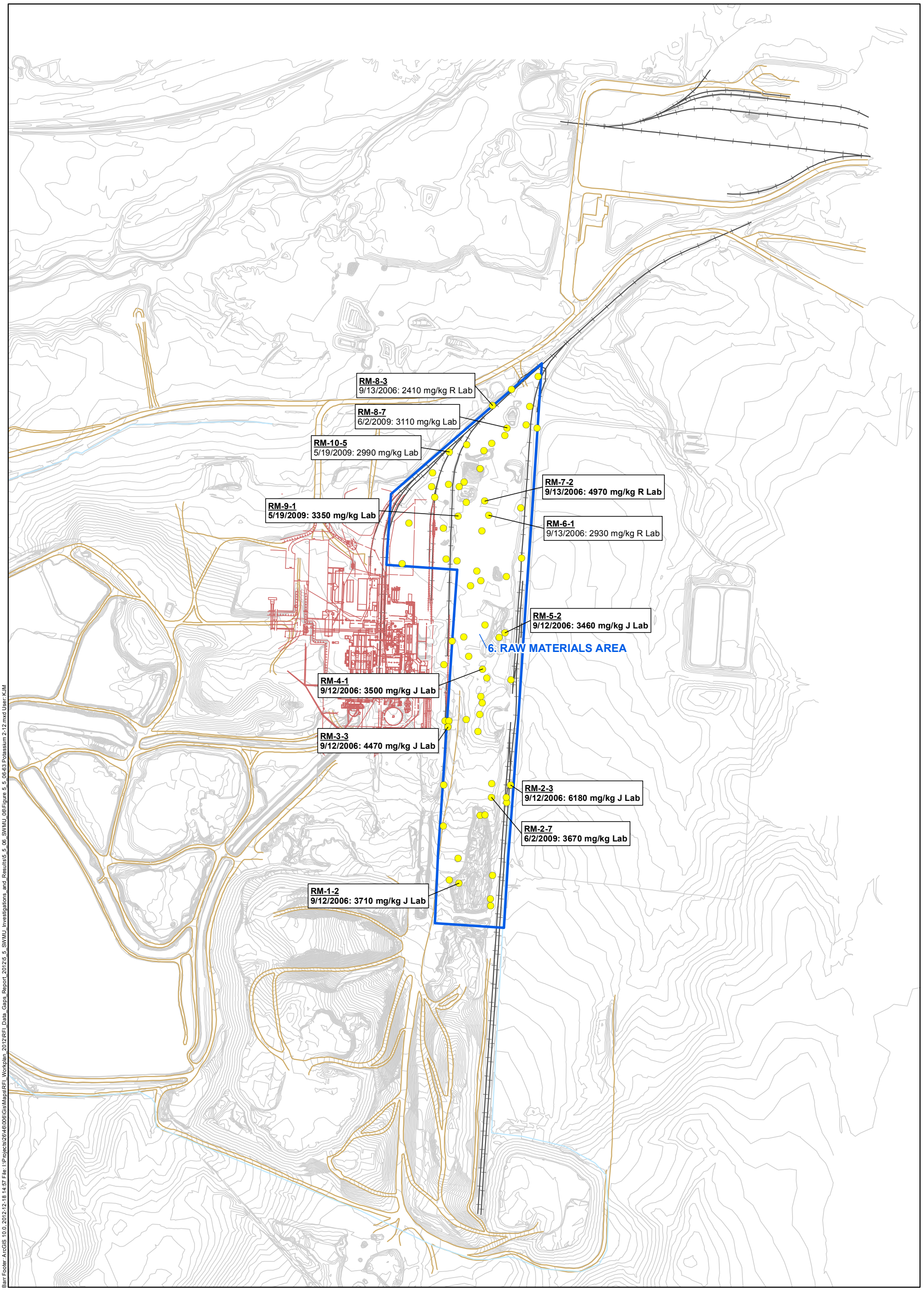
N

Feet

500 0 500

Figure 5.5.6-62

SWMU 6
POTASSIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:57 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-63 Potassium 2-12.mxd User: KJM

- Sample Location
- SMWU 6
- Elevation Contour
- Drainage
- Railroad
- Road
- Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-63

SWMU 6
POTASSIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

6. RAW MATERIALS AREA

RM-4-7
6/2/2009: 4700 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 3290 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: 5230 mg/kg Lab 2.5-3.2 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

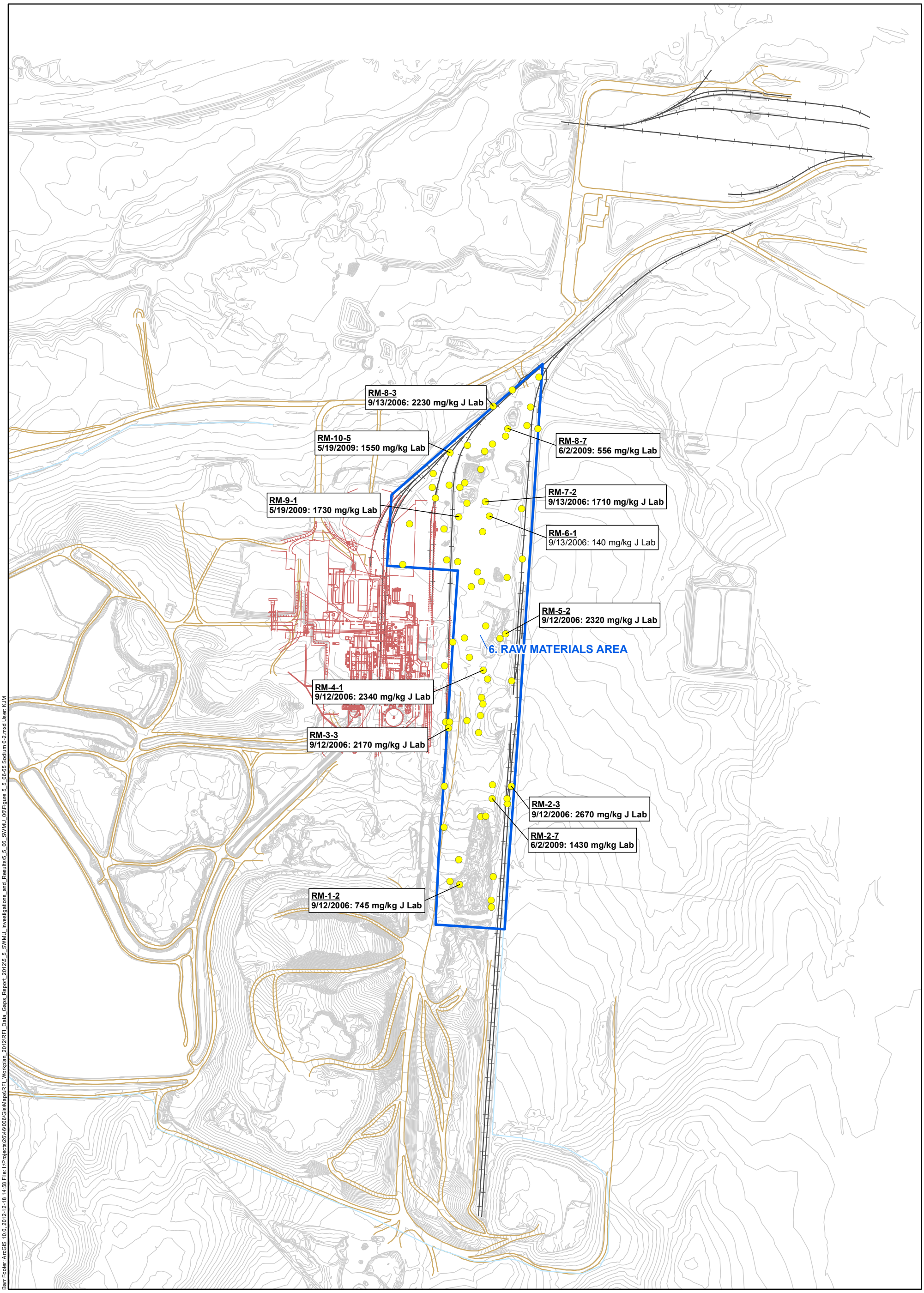
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-64

SWMU 6
POTASSIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:58 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-65 Sodium 0-2.mxd User: KJM

- Sample Location
- SMWU 6
- Elevation Contour
- Drainage
- Railroad
- Road
- Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

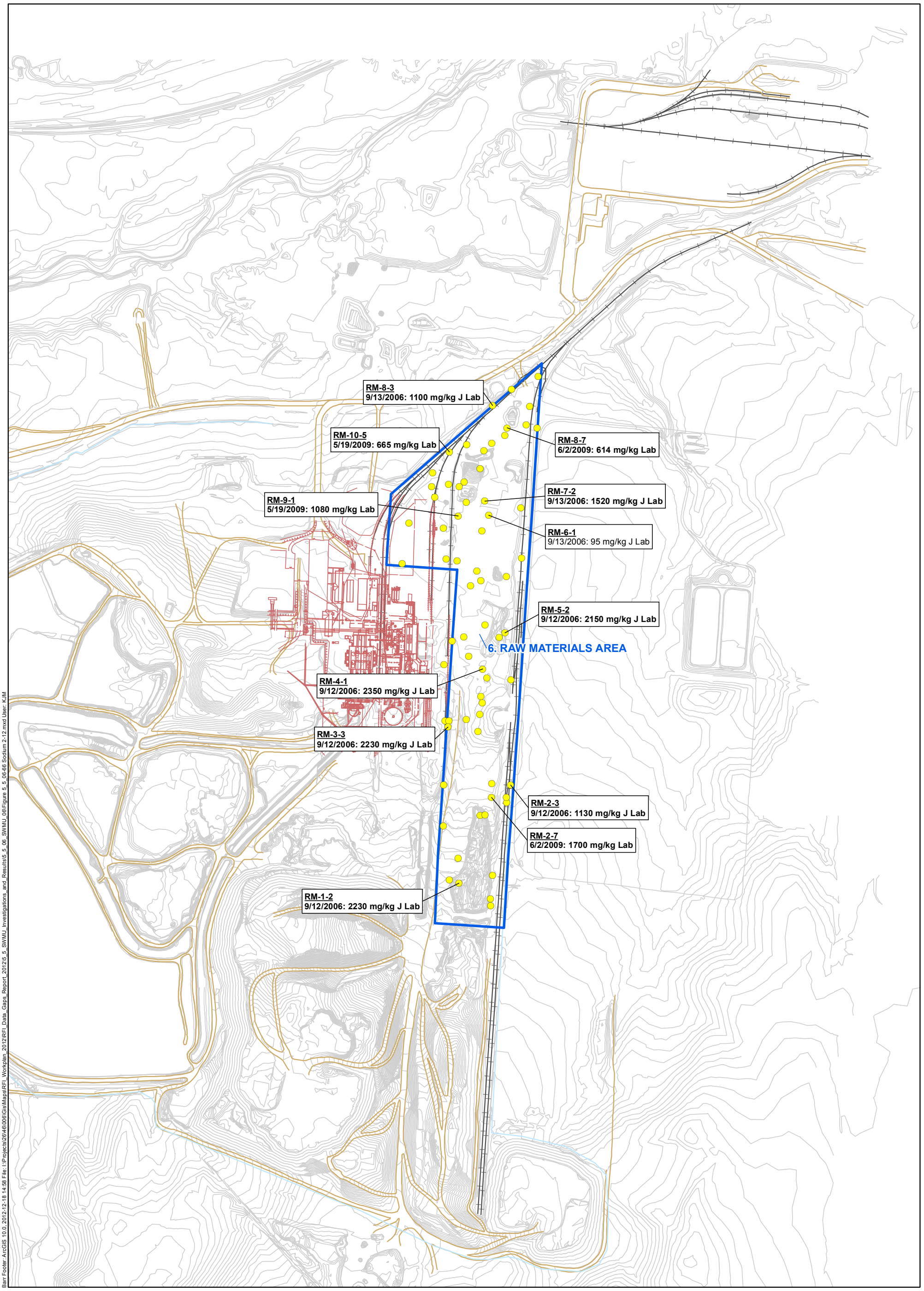
N

Feet

500 0 500

Figure 5.5.6-65

SWMU 6
SODIUM, 0-2 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 14:58 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-66 Sodium 2-12.mxd User: KJM

Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-66

SWMU 6
SODIUM, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

6. RAW MATERIALS AREA

RM-4-7
6/2/2009: 376 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 1020 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: 532 mg/kg Lab 2.5-3.2 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-67

SWMU 6
SODIUM, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:58 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-67 Sodium Other Depths.mxd User: KJM

RM-8-3
9/13/2006: 6 mg/kg R Lab

RM-10-5
5/19/2009: 3.170 mg/kg Lab

RM-8-7
6/2/2009: 2.230 mg/kg Lab

RM-9-1
5/19/2009: 38.4 mg/kg J Lab

RM-7-2
9/13/2006: 7 mg/kg R Lab

RM-6-1
9/13/2006: < 2 mg/kg R Lab

RM-5-2
9/12/2006: < 2 mg/kg R Lab

6. RAW MATERIALS AREA

RM-4-1
9/12/2006: 3 mg/kg R Lab

RM-3-3
9/12/2006: 2 mg/kg R Lab

RM-2-3
9/12/2006: 2 mg/kg R Lab

RM-2-7
6/2/2009: 4.550 mg/kg Lab

RM-1-2
9/12/2006: < 2 mg/kg R Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

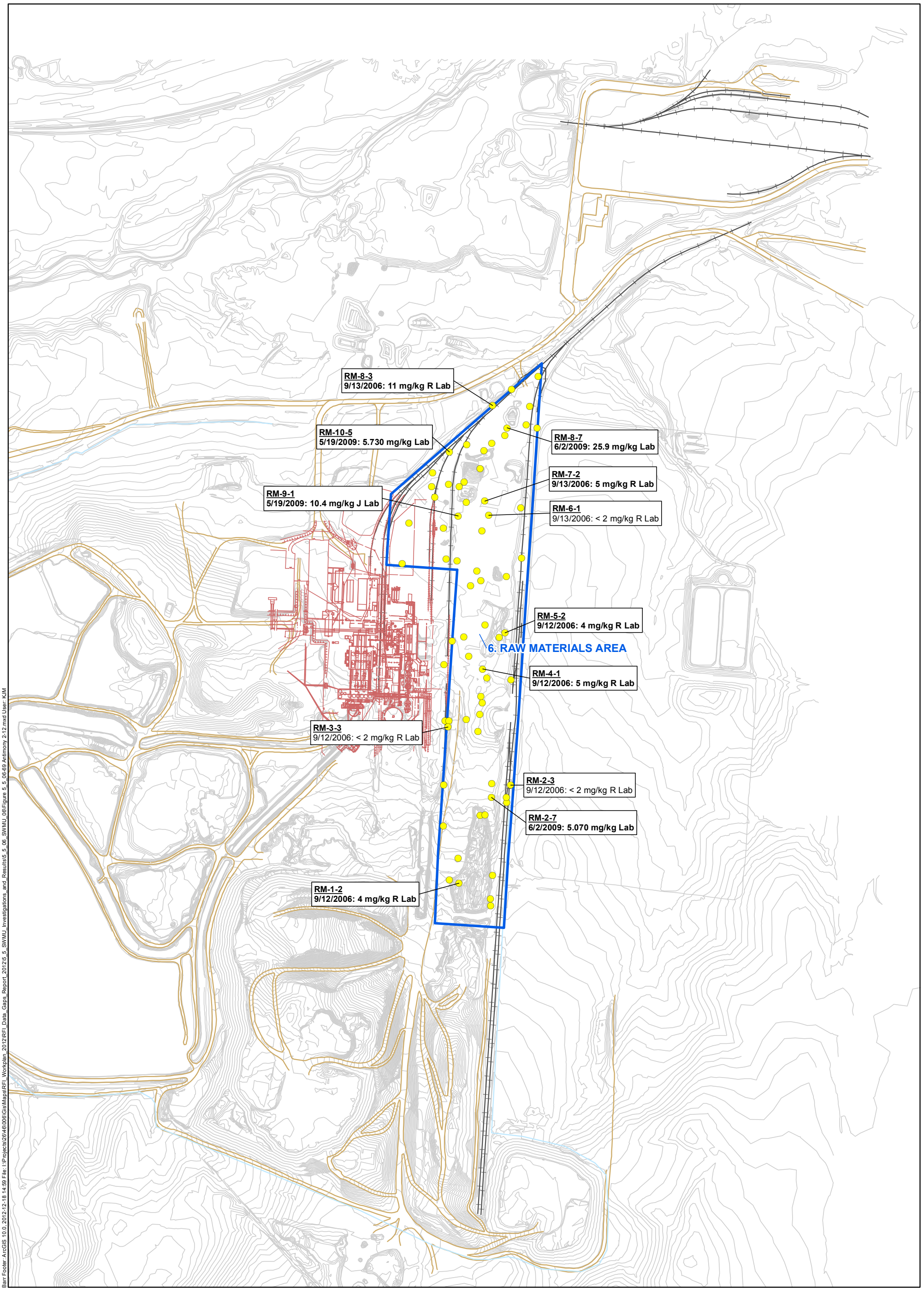
N

Feet
500 0 500

Figure 5.5.6-68

SWMU 6
ANTIMONY, 0-2 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 14:59 File: I:\Projects\26\46\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-68 Antimony 0-2.mxd User: KJM



Barr Footer: ArcGIS 10.0, 2012-12-18 14:59 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-69 Antimony 2-12.mxd User: KJM

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-69

SWMU 6
ANTIMONY, 2-12 INCHES
Rhodia Silver Bow Plant
Montana

6. RAW MATERIALS AREA

RM-4-7
6/2/2009: 0.48 mg/kg Lab 2-3 ft

RM-3-7
6/2/2009: 0.37 mg/kg Lab 3-4 ft

RM-3-8
6/2/2009: 0.47 mg/kg Lab 2.5-3.2 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-70

SWMU 6
ANTIMONY, OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
Benzo(a)anthracene (9/13/2006): 0.14 mg/kg J Lab
Benzo(a)pyrene (9/13/2006): 0.14 mg/kg J Lab
Benzo(b)fluoranthene (9/13/2006): 0.27 mg/kg J Lab
Benzo(k)fluoranthene (9/13/2006): 0.13 mg/kg J Lab

RM-10-5
Benzo(a)anthracene (5/19/2009): 0.16 mg/kg J Lab
Benzo(a)pyrene (5/19/2009): 0.16 mg/kg J Lab
Benzo(b)fluoranthene (5/19/2009): 0.31 mg/kg Lab
Benzo(k)fluoranthene (5/19/2009): 0.13 mg/kg J Lab

RM-8-7
Benzo(a)anthracene (6/2/2009): 0.23 mg/kg J Lab
Benzo(a)pyrene (6/2/2009): 0.22 mg/kg J Lab
Benzo(b)fluoranthene (6/2/2009): 0.47 mg/kg Lab
Benzo(k)fluoranthene (6/2/2009): 0.18 mg/kg J Lab

RM-6-1
Benzo(a)anthracene (9/13/2006): < 0.34 mg/kg Lab
Benzo(a)pyrene (9/13/2006): < 0.34 mg/kg Lab
Benzo(b)fluoranthene (9/13/2006): < 0.34 mg/kg Lab
Benzo(k)fluoranthene (9/13/2006): < 0.34 mg/kg Lab

RM-7-2
Benzo(a)anthracene (9/13/2006): < 0.34 mg/kg Lab
Benzo(a)pyrene (9/13/2006): < 0.34 mg/kg Lab
Benzo(b)fluoranthene (9/13/2006): 0.078 mg/kg J Lab
Benzo(k)fluoranthene (9/13/2006): < 0.34 mg/kg Lab

RM-5-2
Benzo(a)anthracene (9/12/2006): < 0.34 mg/kg Lab
Benzo(a)pyrene (9/12/2006): < 0.34 mg/kg Lab
Benzo(b)fluoranthene (9/12/2006): < 0.34 mg/kg Lab
Benzo(k)fluoranthene (9/12/2006): < 0.34 mg/kg Lab

RM-9-1
Benzo(a)anthracene (5/19/2009): 0.025 mg/kg J Lab
Benzo(a)pyrene (5/19/2009): 0.027 mg/kg J Lab
Benzo(b)fluoranthene (5/19/2009): 0.049 mg/kg J Lab
Benzo(k)fluoranthene (5/19/2009): < 0.020 mg/kg Lab

RM-4-1
Benzo(a)anthracene (9/12/2006): < 0.34 mg/kg Lab
Benzo(a)pyrene (9/12/2006): < 0.34 mg/kg Lab
Benzo(b)fluoranthene (9/12/2006): < 0.34 mg/kg Lab
Benzo(k)fluoranthene (9/12/2006): < 0.34 mg/kg Lab

6. RAW MATERIALS AREA

RM-3-3
Benzo(a)anthracene (9/12/2006): < 0.34 mg/kg Lab
Benzo(a)pyrene (9/12/2006): < 0.34 mg/kg Lab
Benzo(b)fluoranthene (9/12/2006): < 0.34 mg/kg Lab
Benzo(k)fluoranthene (9/12/2006): < 0.34 mg/kg Lab

RM-2-3
Benzo(a)anthracene (9/12/2006): < 0.34 mg/kg Lab
Benzo(a)pyrene (9/12/2006): 0.071 mg/kg J Lab
Benzo(b)fluoranthene (9/12/2006): 0.13 mg/kg J Lab
Benzo(k)fluoranthene (9/12/2006): 0.071 mg/kg J Lab

RM-2-7
Benzo(a)anthracene (6/2/2009): 0.16 mg/kg J Lab
Benzo(a)pyrene (6/2/2009): 0.19 mg/kg J Lab
Benzo(b)fluoranthene (6/2/2009): 0.24 mg/kg J Lab
Benzo(k)fluoranthene (6/2/2009): 0.094 mg/kg J Lab

RM-1-2
Benzo(a)anthracene (9/12/2006): 1.6 mg/kg Lab
Benzo(a)pyrene (9/12/2006): 1.5 mg/kg Lab
Benzo(b)fluoranthene (9/12/2006): 2.1 mg/kg Lab
Benzo(k)fluoranthene (9/12/2006): 0.99 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-71

SWMU 6
cPAH GROUP A
0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
Benzo(a)anthracene (9/13/2006): 0.093 mg/kg J Lab
Benzo(a)pyrene (9/13/2006): 0.097 mg/kg J Lab
Benzo(b)fluoranthene (9/13/2006): 0.18 mg/kg J Lab
Benzo(k)fluoranthene (9/13/2006): 0.065 mg/kg J Lab

RM-10-5
Benzo(a)anthracene (5/19/2009): 0.095 mg/kg J Lab
Benzo(a)pyrene (5/19/2009): 0.17 mg/kg J Lab
Benzo(b)fluoranthene (5/19/2009): 0.28 mg/kg Lab
Benzo(k)fluoranthene (5/19/2009): 0.093 mg/kg J Lab

RM-8-7
Benzo(a)anthracene (6/2/2009): 0.072 mg/kg J Lab
Benzo(a)pyrene (6/2/2009): 0.083 mg/kg J Lab
Benzo(b)fluoranthene (6/2/2009): 0.20 mg/kg J Lab
Benzo(k)fluoranthene (6/2/2009): 0.044 mg/kg J Lab

RM-9-1
Benzo(a)anthracene (5/19/2009): 0.016 mg/kg J Lab
Benzo(a)pyrene (5/19/2009): < 0.020 mg/kg Lab
Benzo(b)fluoranthene (5/19/2009): < 0.018 mg/kg Lab
Benzo(k)fluoranthene (5/19/2009): < 0.020 mg/kg Lab

RM-7-2
Benzo(a)anthracene (9/13/2006): < 0.34 mg/kg Lab
Benzo(a)pyrene (9/13/2006): < 0.34 mg/kg Lab
Benzo(b)fluoranthene (9/13/2006): 0.13 mg/kg J Lab
Benzo(k)fluoranthene (9/13/2006): 0.055 mg/kg J Lab

RM-6-1
Benzo(a)anthracene (9/13/2006): < 0.34 mg/kg Lab
Benzo(a)pyrene (9/13/2006): < 0.34 mg/kg Lab
Benzo(b)fluoranthene (9/13/2006): < 0.34 mg/kg Lab
Benzo(k)fluoranthene (9/13/2006): < 0.34 mg/kg Lab

RM-4-1
Benzo(a)anthracene (9/12/2006): < 0.35 mg/kg Lab
Benzo(a)pyrene (9/12/2006): < 0.35 mg/kg Lab
Benzo(b)fluoranthene (9/12/2006): < 0.35 mg/kg Lab
Benzo(k)fluoranthene (9/12/2006): < 0.35 mg/kg Lab

RM-5-2
Benzo(a)anthracene (9/12/2006): < 0.36 mg/kg Lab
Benzo(a)pyrene (9/12/2006): < 0.36 mg/kg Lab
Benzo(b)fluoranthene (9/12/2006): < 0.36 mg/kg Lab
Benzo(k)fluoranthene (9/12/2006): < 0.36 mg/kg Lab

RM-3-3
Benzo(a)anthracene (9/12/2006): < 0.35 mg/kg Lab
Benzo(a)pyrene (9/12/2006): < 0.35 mg/kg Lab
Benzo(b)fluoranthene (9/12/2006): < 0.35 mg/kg Lab
Benzo(k)fluoranthene (9/12/2006): < 0.35 mg/kg Lab

6. RAW MATERIALS AREA

RM-2-7
Benzo(a)anthracene (6/2/2009): 0.11 mg/kg J Lab
Benzo(a)pyrene (6/2/2009): 0.12 mg/kg J Lab
Benzo(b)fluoranthene (6/2/2009): 0.17 mg/kg J Lab
Benzo(k)fluoranthene (6/2/2009): 0.069 mg/kg J Lab

RM-2-3
Benzo(a)anthracene (9/12/2006): 0.17 mg/kg J Lab
Benzo(a)pyrene (9/12/2006): 0.24 mg/kg J Lab
Benzo(b)fluoranthene (9/12/2006): 0.38 mg/kg Lab
Benzo(k)fluoranthene (9/12/2006): 0.15 mg/kg J Lab

RM-1-2
Benzo(a)anthracene (9/12/2006): 0.19 mg/kg J Lab
Benzo(a)pyrene (9/12/2006): 0.19 mg/kg J Lab
Benzo(b)fluoranthene (9/12/2006): 0.37 mg/kg Lab
Benzo(k)fluoranthene (9/12/2006): 0.10 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-72

SWMU 6
cPAH GROUP A,
2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
Benzo(a)anthracene (5/15/2009): < 0.013 mg/kg Lab 5-6 ft
Benzo(a)anthracene (5/15/2009): < 0.013 mg/kg Lab 7-8 ft
Benzo(a)pyrene (5/15/2009): < 0.020 mg/kg Lab 5-6 ft
Benzo(a)pyrene (5/15/2009): < 0.020 mg/kg Lab 7-8 ft
Benzo(b)fluoranthene (5/15/2009): < 0.018 mg/kg Lab 5-6 ft
Benzo(b)fluoranthene (5/15/2009): < 0.018 mg/kg Lab 7-8 ft
Benzo(k)fluoranthene (5/15/2009): < 0.020 mg/kg Lab 5-6 ft
Benzo(k)fluoranthene (5/15/2009): < 0.020 mg/kg Lab 7-8 ft

RM-7-2
Benzo(a)anthracene (5/14/2009): < 0.013 mg/kg Lab 6-7 ft
Benzo(a)anthracene (5/14/2009): < 0.013 mg/kg Lab 8-9 ft
Benzo(a)pyrene (5/14/2009): < 0.020 mg/kg Lab 6-7 ft
Benzo(a)pyrene (5/14/2009): < 0.020 mg/kg Lab 8-9 ft
Benzo(b)fluoranthene (5/14/2009): < 0.018 mg/kg Lab 6-7 ft
Benzo(b)fluoranthene (5/14/2009): < 0.018 mg/kg Lab 8-9 ft
Benzo(k)fluoranthene (5/14/2009): < 0.020 mg/kg Lab 6-7 ft
Benzo(k)fluoranthene (5/14/2009): < 0.020 mg/kg Lab 8-9 ft

RM-6-1
Benzo(a)anthracene (5/14/2009): < 0.013 mg/kg Lab 6.5-7.5 ft
Benzo(a)anthracene (5/14/2009): < 0.013 mg/kg Lab 8.5-9.5 ft
Benzo(a)pyrene (5/14/2009): < 0.020 mg/kg Lab 6.5-7.5 ft
Benzo(a)pyrene (5/14/2009): < 0.020 mg/kg Lab 8.5-9.5 ft
Benzo(b)fluoranthene (5/14/2009): < 0.018 mg/kg Lab 6.5-7.5 ft
Benzo(b)fluoranthene (5/14/2009): < 0.018 mg/kg Lab 8.5-9.5 ft
Benzo(k)fluoranthene (5/14/2009): < 0.020 mg/kg Lab 6.5-7.5 ft
Benzo(k)fluoranthene (5/14/2009): < 0.020 mg/kg Lab 8.5-9.5 ft

RM-5-2
Benzo(a)anthracene (5/14/2009): < 0.013 mg/kg Lab 2-3 ft
Benzo(a)anthracene (5/14/2009): < 0.013 mg/kg Lab 4-5 ft
Benzo(a)pyrene (5/14/2009): < 0.020 mg/kg Lab 2-3 ft
Benzo(a)pyrene (5/14/2009): < 0.020 mg/kg Lab 4-5 ft
Benzo(b)fluoranthene (5/14/2009): < 0.018 mg/kg Lab 2-3 ft
Benzo(b)fluoranthene (5/14/2009): < 0.018 mg/kg Lab 4-5 ft
Benzo(k)fluoranthene (5/14/2009): < 0.020 mg/kg Lab 2-3 ft
Benzo(k)fluoranthene (5/14/2009): < 0.020 mg/kg Lab 4-5 ft

RM-4-1
Benzo(a)anthracene (5/14/2009): < 0.013 mg/kg Lab 3-4 ft
Benzo(a)anthracene (5/14/2009): < 0.013 mg/kg Lab 5-6 ft
Benzo(a)pyrene (5/14/2009): < 0.020 mg/kg Lab 3-4 ft
Benzo(a)pyrene (5/14/2009): < 0.020 mg/kg Lab 5-6 ft
Benzo(b)fluoranthene (5/14/2009): < 0.018 mg/kg Lab 3-4 ft
Benzo(b)fluoranthene (5/14/2009): < 0.018 mg/kg Lab 5-6 ft
Benzo(k)fluoranthene (5/14/2009): < 0.020 mg/kg Lab 3-4 ft
Benzo(k)fluoranthene (5/14/2009): < 0.020 mg/kg Lab 5-6 ft

6. RAW MATERIALS AREA

RM-3-3
Benzo(a)anthracene (5/13/2009): < 0.013 mg/kg Lab 3-4 ft
Benzo(a)anthracene (5/13/2009): < 0.013 mg/kg Lab 5-6 ft
Benzo(a)pyrene (5/13/2009): < 0.020 mg/kg Lab 3-4 ft
Benzo(a)pyrene (5/13/2009): < 0.020 mg/kg Lab 5-6 ft
Benzo(b)fluoranthene (5/13/2009): < 0.018 mg/kg Lab 3-4 ft
Benzo(b)fluoranthene (5/13/2009): < 0.018 mg/kg Lab 5-6 ft
Benzo(k)fluoranthene (5/13/2009): < 0.020 mg/kg Lab 3-4 ft
Benzo(k)fluoranthene (5/13/2009): < 0.020 mg/kg Lab 5-6 ft

RM-2-7
Benzo(a)anthracene (5/13/2009): < 0.013 mg/kg Lab 2-3 ft
Benzo(a)anthracene (5/13/2009): < 0.013 mg/kg Lab 4-5 ft
Benzo(a)pyrene (5/13/2009): < 0.020 mg/kg Lab 2-3 ft
Benzo(a)pyrene (5/13/2009): < 0.020 mg/kg Lab 4-5 ft
Benzo(b)fluoranthene (5/13/2009): < 0.018 mg/kg Lab 2-3 ft
Benzo(b)fluoranthene (5/13/2009): < 0.018 mg/kg Lab 4-5 ft
Benzo(k)fluoranthene (5/13/2009): < 0.020 mg/kg Lab 2-3 ft
Benzo(k)fluoranthene (5/13/2009): < 0.020 mg/kg Lab 4-5 ft

RM-1-2
Benzo(a)anthracene (5/13/2009): < 0.013 mg/kg Lab 2-3 ft
Benzo(a)anthracene (5/13/2009): < 0.013 mg/kg Lab 4-5 ft
Benzo(a)pyrene (5/13/2009): < 0.020 mg/kg Lab 2-3 ft
Benzo(a)pyrene (5/13/2009): < 0.020 mg/kg Lab 4-5 ft
Benzo(b)fluoranthene (5/13/2009): < 0.018 mg/kg Lab 2-3 ft
Benzo(b)fluoranthene (5/13/2009): < 0.018 mg/kg Lab 4-5 ft
Benzo(k)fluoranthene (5/13/2009): < 0.020 mg/kg Lab 2-3 ft
Benzo(k)fluoranthene (5/13/2009): < 0.020 mg/kg Lab 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-73

SWMU 6
cPAH GROUP A,
OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
Chrysene (9/13/2006): 0.17 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (9/13/2006): 0.32 mg/kg J Lab

RM-10-5
Chrysene (5/19/2009): 0.30 mg/kg Lab
Dibenzofuran (5/19/2009): 0.052 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (5/19/2009): 0.20 mg/kg J Lab

RM-8-7
Chrysene (6/2/2009): 0.41 mg/kg Lab
Dibenzofuran (6/2/2009): 0.025 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (6/2/2009): 0.19 mg/kg J Lab

RM-7-2
Chrysene (9/13/2006): 0.046 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (9/13/2006): 0.11 mg/kg J Lab

RM-6-1
Chrysene (9/13/2006): < 0.34 mg/kg Lab
Indeno(1,2,3-cd)pyrene (9/13/2006): < 0.34 mg/kg Lab

RM-9-1
Chrysene (5/19/2009): 0.047 mg/kg J Lab
Dibenzofuran (5/19/2009): < 0.012 mg/kg Lab
Indeno(1,2,3-cd)pyrene (5/19/2009): < 0.039 mg/kg Lab

RM-5-2
Chrysene (9/12/2006): < 0.34 mg/kg Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): < 0.34 mg/kg Lab

RM-4-1
Chrysene (9/12/2006): < 0.34 mg/kg Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): < 0.34 mg/kg Lab

6. RAW MATERIALS AREA

RM-3-3
Chrysene (9/12/2006): < 0.34 mg/kg Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): < 0.34 mg/kg Lab

RM-2-3
Chrysene (9/12/2006): 0.095 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): 0.19 mg/kg J Lab

RM-2-7
Chrysene (6/2/2009): 0.20 mg/kg J Lab
Dibenzofuran (6/2/2009): 0.026 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (6/2/2009): 0.14 mg/kg J Lab

RM-1-2
Chrysene (9/12/2006): 1.7 mg/kg Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): 1.9 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-74

SWMU 6
cPAH GROUP B,
0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
Chrysene (9/13/2006): 0.099 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (9/13/2006): 0.23 mg/kg J Lab

RM-10-5
Chrysene (5/19/2009): 0.15 mg/kg J Lab
Dibenzofuran (5/19/2009): 0.013 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (5/19/2009): 0.18 mg/kg J Lab

RM-8-7
Chrysene (6/2/2009): 0.12 mg/kg J Lab
Dibenzofuran (6/2/2009): < 0.012 mg/kg Lab
Indeno(1,2,3-cd)pyrene (6/2/2009): 0.11 mg/kg J Lab

RM-7-2
Chrysene (9/13/2006): 0.059 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (9/13/2006): 0.16 mg/kg J Lab

RM-6-1
Chrysene (9/13/2006): < 0.34 mg/kg Lab
Indeno(1,2,3-cd)pyrene (9/13/2006): 0.070 mg/kg J Lab

RM-9-1
Chrysene (5/19/2009): < 0.012 mg/kg Lab
Dibenzofuran (5/19/2009): < 0.012 mg/kg Lab
Indeno(1,2,3-cd)pyrene (5/19/2009): < 0.039 mg/kg Lab

RM-5-2
Chrysene (9/12/2006): < 0.36 mg/kg Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): < 0.36 mg/kg Lab

RM-4-1
Chrysene (9/12/2006): < 0.35 mg/kg Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): < 0.35 mg/kg Lab

RM-3-3
Chrysene (9/12/2006): < 0.35 mg/kg Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): < 0.35 mg/kg Lab

6. RAW MATERIALS AREA

RM-2-3
Chrysene (9/12/2006): 0.25 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): 0.39 mg/kg Lab

RM-2-7
Chrysene (6/2/2009): 0.13 mg/kg J Lab
Dibenzofuran (6/2/2009): 0.015 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (6/2/2009): 0.10 mg/kg J Lab

RM-1-2
Chrysene (9/12/2006): 0.21 mg/kg J Lab
Indeno(1,2,3-cd)pyrene (9/12/2006): 0.41 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-75

SWMU 6
cPAH GROUP B,
2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
Chrysene (5/15/2009): < 0.012 mg/kg Lab 5-6 ft
Chrysene (5/15/2009): < 0.012 mg/kg Lab 7-8 ft
Dibenzofuran (5/15/2009): < 0.012 mg/kg Lab 5-6 ft
Dibenzofuran (5/15/2009): < 0.012 mg/kg Lab 7-8 ft
Indeno(1,2,3-cd)pyrene (5/15/2009): < 0.039 mg/kg Lab 5-6 ft
Indeno(1,2,3-cd)pyrene (5/15/2009): < 0.039 mg/kg Lab 7-8 ft

RM-7-2
Chrysene (5/14/2009): < 0.012 mg/kg Lab 6-7 ft
Chrysene (5/14/2009): < 0.012 mg/kg Lab 8-9 ft
Dibenzofuran (5/14/2009): < 0.012 mg/kg Lab 6-7 ft
Dibenzofuran (5/14/2009): < 0.012 mg/kg Lab 8-9 ft
Indeno(1,2,3-cd)pyrene (5/14/2009): < 0.039 mg/kg Lab 6-7 ft
Indeno(1,2,3-cd)pyrene (5/14/2009): < 0.039 mg/kg Lab 8-9 ft

RM-6-1
Chrysene (5/14/2009): < 0.012 mg/kg Lab 6.5-7.5 ft
Chrysene (5/14/2009): < 0.012 mg/kg Lab 8.5-9.5 ft
Dibenzofuran (5/14/2009): < 0.012 mg/kg Lab 6.5-7.5 ft
Dibenzofuran (5/14/2009): < 0.012 mg/kg Lab 8.5-9.5 ft
Indeno(1,2,3-cd)pyrene (5/14/2009): < 0.039 mg/kg Lab 6.5-7.5 ft
Indeno(1,2,3-cd)pyrene (5/14/2009): < 0.039 mg/kg Lab 8.5-9.5 ft

RM-5-2
Chrysene (5/14/2009): < 0.012 mg/kg Lab 2-3 ft
Chrysene (5/14/2009): < 0.012 mg/kg Lab 4-5 ft
Dibenzofuran (5/14/2009): < 0.012 mg/kg Lab 2-3 ft
Dibenzofuran (5/14/2009): < 0.012 mg/kg Lab 4-5 ft
Indeno(1,2,3-cd)pyrene (5/14/2009): < 0.039 mg/kg Lab 2-3 ft
Indeno(1,2,3-cd)pyrene (5/14/2009): < 0.039 mg/kg Lab 4-5 ft

RM-4-1
Chrysene (5/14/2009): < 0.012 mg/kg Lab 3-4 ft
Chrysene (5/14/2009): < 0.012 mg/kg Lab 5-6 ft
Dibenzofuran (5/14/2009): < 0.012 mg/kg Lab 3-4 ft
Dibenzofuran (5/14/2009): < 0.012 mg/kg Lab 5-6 ft
Indeno(1,2,3-cd)pyrene (5/14/2009): < 0.039 mg/kg Lab 3-4 ft
Indeno(1,2,3-cd)pyrene (5/14/2009): < 0.039 mg/kg Lab 5-6 ft

RM-3-3
Chrysene (5/13/2009): < 0.012 mg/kg Lab 3-4 ft
Chrysene (5/13/2009): < 0.012 mg/kg Lab 5-6 ft
Dibenzofuran (5/13/2009): < 0.012 mg/kg Lab 3-4 ft
Dibenzofuran (5/13/2009): < 0.012 mg/kg Lab 5-6 ft
Indeno(1,2,3-cd)pyrene (5/13/2009): < 0.039 mg/kg Lab 3-4 ft
Indeno(1,2,3-cd)pyrene (5/13/2009): < 0.039 mg/kg Lab 5-6 ft

6. RAW MATERIALS AREA

RM-2-7
Chrysene (5/13/2009): < 0.012 mg/kg Lab 2-3 ft
Chrysene (5/13/2009): < 0.012 mg/kg Lab 4-5 ft
Dibenzofuran (5/13/2009): < 0.012 mg/kg Lab 2-3 ft
Dibenzofuran (5/13/2009): < 0.012 mg/kg Lab 4-5 ft
Indeno(1,2,3-cd)pyrene (5/13/2009): < 0.039 mg/kg Lab 2-3 ft
Indeno(1,2,3-cd)pyrene (5/13/2009): < 0.039 mg/kg Lab 4-5 ft

RM-1-2
Chrysene (5/13/2009): < 0.012 mg/kg Lab 2-3 ft
Chrysene (5/13/2009): < 0.012 mg/kg Lab 4-5 ft
Dibenzofuran (5/13/2009): < 0.012 mg/kg Lab 2-3 ft
Dibenzofuran (5/13/2009): < 0.012 mg/kg Lab 4-5 ft
Indeno(1,2,3-cd)pyrene (5/13/2009): < 0.039 mg/kg Lab 2-3 ft
Indeno(1,2,3-cd)pyrene (5/13/2009): < 0.039 mg/kg Lab 4-5 ft

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-76

SWMU 6
cPAH GROUP B,
OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-8-3
Acenaphthene (9/13/2006): < 0.35 mg/kg Lab
Acenaphthylene (9/13/2006): < 0.35 mg/kg Lab
Anthracene (9/13/2006): < 0.35 mg/kg Lab
Benzo(g,h,i)perylene (9/13/2006): 0.14 mg/kg J Lab
Fluoranthene (9/13/2006): 0.21 mg/kg J Lab

RM-10-5
Acenaphthene (5/19/2009): < 0.014 mg/kg Lab
Acenaphthylene (5/19/2009): 0.018 mg/kg J Lab
Anthracene (5/19/2009): 0.054 mg/kg J Lab
Benzo(g,h,i)perylene (5/19/2009): 0.20 mg/kg J Lab
Fluoranthene (5/19/2009): 0.23 mg/kg J Lab

RM-6-1
Acenaphthene (9/13/2006): < 0.34 mg/kg Lab
Acenaphthylene (9/13/2006): < 0.34 mg/kg Lab
Anthracene (9/13/2006): < 0.34 mg/kg Lab
Benzo(g,h,i)perylene (9/13/2006): < 0.34 mg/kg Lab
Fluoranthene (9/13/2006): < 0.34 mg/kg Lab

RM-9-1
Acenaphthene (5/19/2009): < 0.014 mg/kg Lab
Acenaphthylene (5/19/2009): < 0.016 mg/kg Lab
Anthracene (5/19/2009): < 0.014 mg/kg Lab
Benzo(g,h,i)perylene (5/19/2009): < 0.021 mg/kg Lab
Fluoranthene (5/19/2009): 0.033 mg/kg J Lab

RM-8-7
Acenaphthene (6/2/2009): < 0.014 mg/kg Lab
Acenaphthylene (6/2/2009): 0.018 mg/kg J Lab
Anthracene (6/2/2009): 0.055 mg/kg J Lab
Benzo(g,h,i)perylene (6/2/2009): 0.18 mg/kg J Lab
Fluoranthene (6/2/2009): 0.23 mg/kg J Lab

RM-7-2
Acenaphthene (9/13/2006): < 0.34 mg/kg Lab
Acenaphthylene (9/13/2006): < 0.34 mg/kg Lab
Anthracene (9/13/2006): < 0.34 mg/kg Lab
Benzo(g,h,i)perylene (9/13/2006): < 0.34 mg/kg Lab
Fluoranthene (9/13/2006): < 0.34 mg/kg Lab

RM-5-2
Acenaphthene (9/12/2006): < 0.34 mg/kg Lab
Acenaphthylene (9/12/2006): < 0.34 mg/kg Lab
Anthracene (9/12/2006): < 0.34 mg/kg Lab
Benzo(g,h,i)perylene (9/12/2006): < 0.34 mg/kg Lab
Fluoranthene (9/12/2006): < 0.34 mg/kg Lab

RM-4-1
Acenaphthene (9/12/2006): < 0.34 mg/kg Lab
Acenaphthylene (9/12/2006): < 0.34 mg/kg Lab
Anthracene (9/12/2006): < 0.34 mg/kg Lab
Benzo(g,h,i)perylene (9/12/2006): < 0.34 mg/kg Lab
Fluoranthene (9/12/2006): < 0.34 mg/kg Lab

6. RAW MATERIALS AREA

RM-3-3
Acenaphthene (9/12/2006): < 0.34 mg/kg Lab
Acenaphthylene (9/12/2006): < 0.34 mg/kg Lab
Anthracene (9/12/2006): < 0.34 mg/kg Lab
Benzo(g,h,i)perylene (9/12/2006): < 0.34 mg/kg Lab
Fluoranthene (9/12/2006): < 0.34 mg/kg Lab

RM-2-3
Acenaphthene (9/12/2006): < 0.34 mg/kg Lab
Acenaphthylene (9/12/2006): < 0.34 mg/kg Lab
Anthracene (9/12/2006): < 0.34 mg/kg Lab
Benzo(g,h,i)perylene (9/12/2006): 0.077 mg/kg J Lab
Fluoranthene (9/12/2006): 0.094 mg/kg J Lab

RM-2-7
Acenaphthene (6/2/2009): < 0.014 mg/kg Lab
Acenaphthylene (6/2/2009): 0.017 mg/kg J Lab
Anthracene (6/2/2009): 0.048 mg/kg J Lab
Benzo(g,h,i)perylene (6/2/2009): 0.17 mg/kg J Lab
Fluoranthene (6/2/2009): 0.20 mg/kg J Lab

RM-1-2
Acenaphthene (9/12/2006): < 0.34 mg/kg Lab
Acenaphthylene (9/12/2006): 0.37 mg/kg Lab
Anthracene (9/12/2006): 0.59 mg/kg Lab
Benzo(g,h,i)perylene (9/12/2006): 1.4 mg/kg Lab
Fluoranthene (9/12/2006): 3.1 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

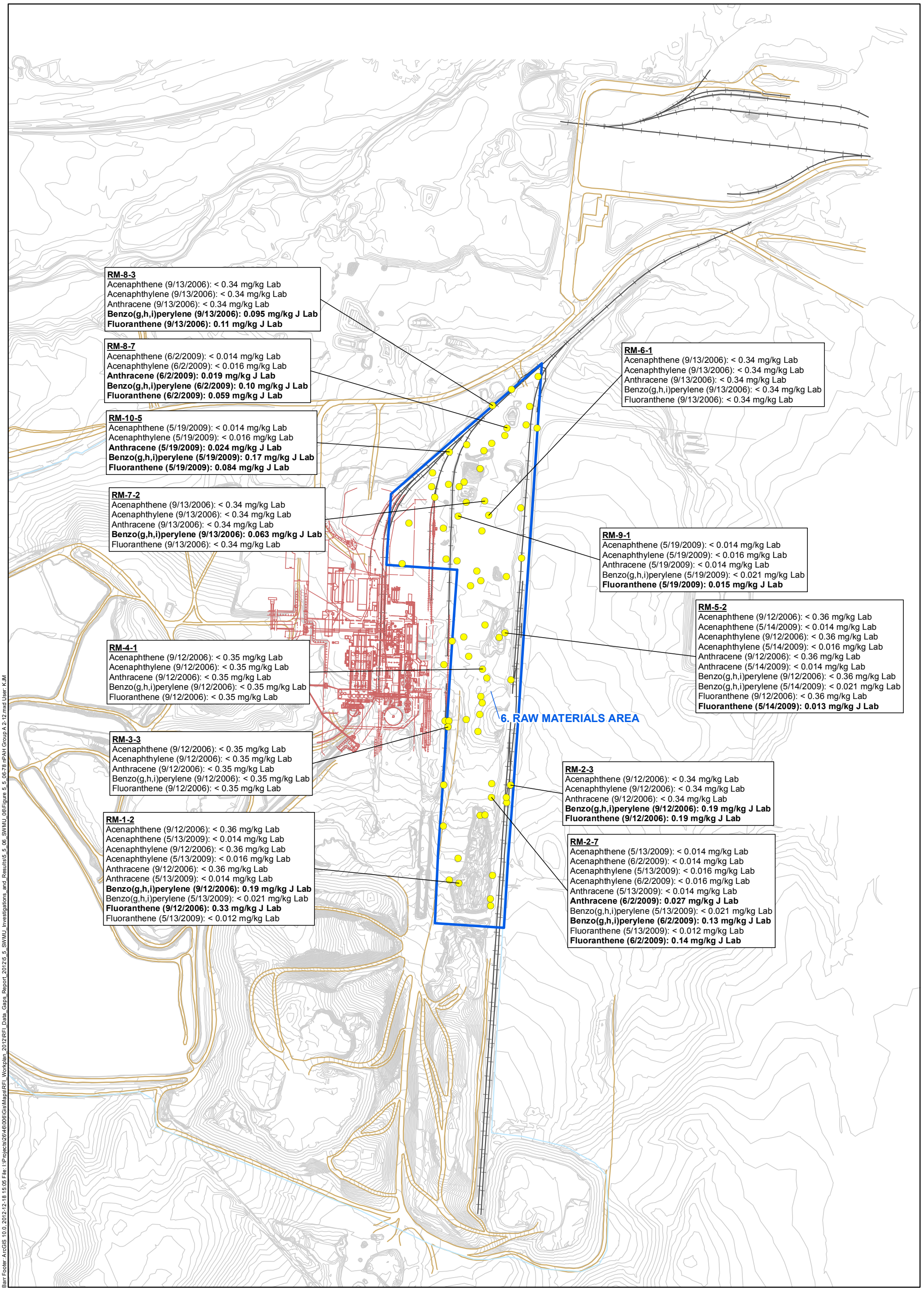
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-77

SWMU 6
nPAH GROUP A,
0-2 INCHES
Rhodia Silver Bow Plant
Montana



Barr Footer: ArcGIS 10.0, 2012-12-18 15:05 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-78 nPAH Group A 2-12.mxd User: KJM

- Sample Location
- SMWU 6
- Elevation Contour
- Drainage
- Railroad
- Road
- Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-78

SWMU 6
nPAH GROUP A,
2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
Acenaphthene (5/15/2009): < 0.014 mg/kg Lab 5-6 ft
Acenaphthene (5/15/2009): < 0.014 mg/kg Lab 7-8 ft
Acenaphthylene (5/15/2009): < 0.016 mg/kg Lab 5-6 ft
Acenaphthylene (5/15/2009): < 0.016 mg/kg Lab 7-8 ft
Anthracene (5/15/2009): < 0.014 mg/kg Lab 5-6 ft
Anthracene (5/15/2009): < 0.014 mg/kg Lab 7-8 ft
Benzo(g,h,i)perylene (5/15/2009): < 0.021 mg/kg Lab 5-6 ft
Benzo(g,h,i)perylene (5/15/2009): < 0.021 mg/kg Lab 7-8 ft
Fluoranthene (5/15/2009): < 0.012 mg/kg Lab 5-6 ft
Fluoranthene (5/15/2009): < 0.012 mg/kg Lab 7-8 ft

RM-7-2
Acenaphthene (5/14/2009): < 0.014 mg/kg Lab 6-7 ft
Acenaphthene (5/14/2009): < 0.014 mg/kg Lab 8-9 ft
Acenaphthylene (5/14/2009): < 0.016 mg/kg Lab 6-7 ft
Acenaphthylene (5/14/2009): < 0.016 mg/kg Lab 8-9 ft
Anthracene (5/14/2009): < 0.014 mg/kg Lab 6-7 ft
Anthracene (5/14/2009): < 0.014 mg/kg Lab 8-9 ft
Benzo(g,h,i)perylene (5/14/2009): < 0.021 mg/kg Lab 6-7 ft
Benzo(g,h,i)perylene (5/14/2009): < 0.021 mg/kg Lab 8-9 ft
Fluoranthene (5/14/2009): < 0.012 mg/kg Lab 6-7 ft
Fluoranthene (5/14/2009): < 0.012 mg/kg Lab 8-9 ft

RM-6-1
Acenaphthene (5/14/2009): < 0.014 mg/kg Lab 6.5-7.5 ft
Acenaphthene (5/14/2009): < 0.014 mg/kg Lab 8.5-9.5 ft
Acenaphthylene (5/14/2009): < 0.016 mg/kg Lab 6.5-7.5 ft
Acenaphthylene (5/14/2009): < 0.016 mg/kg Lab 8.5-9.5 ft
Anthracene (5/14/2009): < 0.014 mg/kg Lab 6.5-7.5 ft
Anthracene (5/14/2009): < 0.014 mg/kg Lab 8.5-9.5 ft
Benzo(g,h,i)perylene (5/14/2009): < 0.021 mg/kg Lab 6.5-7.5 ft
Benzo(g,h,i)perylene (5/14/2009): < 0.021 mg/kg Lab 8.5-9.5 ft
Fluoranthene (5/14/2009): < 0.012 mg/kg Lab 6.5-7.5 ft
Fluoranthene (5/14/2009): < 0.012 mg/kg Lab 8.5-9.5 ft

RM-5-2
Acenaphthene (5/14/2009): < 0.014 mg/kg Lab 2-3 ft
Acenaphthene (5/14/2009): < 0.014 mg/kg Lab 4-5 ft
Acenaphthylene (5/14/2009): < 0.016 mg/kg Lab 2-3 ft
Acenaphthylene (5/14/2009): < 0.016 mg/kg Lab 4-5 ft
Anthracene (5/14/2009): < 0.014 mg/kg Lab 2-3 ft
Anthracene (5/14/2009): < 0.014 mg/kg Lab 4-5 ft
Benzo(g,h,i)perylene (5/14/2009): < 0.021 mg/kg Lab 2-3 ft
Benzo(g,h,i)perylene (5/14/2009): < 0.021 mg/kg Lab 4-5 ft
Fluoranthene (5/14/2009): 0.013 mg/kg J Lab 2-3 ft
Fluoranthene (5/14/2009): < 0.012 mg/kg Lab 4-5 ft

RM-4-1
Acenaphthene (5/14/2009): < 0.014 mg/kg Lab 3-4 ft
Acenaphthene (5/14/2009): < 0.014 mg/kg Lab 5-6 ft
Acenaphthylene (5/14/2009): < 0.016 mg/kg Lab 3-4 ft
Acenaphthylene (5/14/2009): < 0.016 mg/kg Lab 5-6 ft
Anthracene (5/14/2009): < 0.014 mg/kg Lab 3-4 ft
Anthracene (5/14/2009): < 0.014 mg/kg Lab 5-6 ft
Benzo(g,h,i)perylene (5/14/2009): < 0.021 mg/kg Lab 3-4 ft
Benzo(g,h,i)perylene (5/14/2009): < 0.021 mg/kg Lab 5-6 ft
Fluoranthene (5/14/2009): < 0.012 mg/kg Lab 3-4 ft
Fluoranthene (5/14/2009): < 0.012 mg/kg Lab 5-6 ft

RM-3-3
Acenaphthene (5/13/2009): < 0.014 mg/kg Lab 3-4 ft
Acenaphthene (5/13/2009): < 0.014 mg/kg Lab 5-6 ft
Acenaphthylene (5/13/2009): < 0.016 mg/kg Lab 3-4 ft
Acenaphthylene (5/13/2009): < 0.016 mg/kg Lab 5-6 ft
Anthracene (5/13/2009): < 0.014 mg/kg Lab 3-4 ft
Anthracene (5/13/2009): < 0.014 mg/kg Lab 5-6 ft
Benzo(g,h,i)perylene (5/13/2009): < 0.021 mg/kg Lab 3-4 ft
Benzo(g,h,i)perylene (5/13/2009): < 0.021 mg/kg Lab 5-6 ft
Fluoranthene (5/13/2009): < 0.012 mg/kg Lab 3-4 ft
Fluoranthene (5/13/2009): < 0.012 mg/kg Lab 5-6 ft

RM-2-7
Acenaphthene (5/13/2009): < 0.014 mg/kg Lab 2-3 ft
Acenaphthene (5/13/2009): < 0.014 mg/kg Lab 4-5 ft
Acenaphthylene (5/13/2009): < 0.016 mg/kg Lab 2-3 ft
Acenaphthylene (5/13/2009): < 0.016 mg/kg Lab 4-5 ft
Anthracene (5/13/2009): < 0.014 mg/kg Lab 2-3 ft
Anthracene (5/13/2009): < 0.014 mg/kg Lab 4-5 ft
Benzo(g,h,i)perylene (5/13/2009): < 0.021 mg/kg Lab 2-3 ft
Benzo(g,h,i)perylene (5/13/2009): < 0.021 mg/kg Lab 4-5 ft
Fluoranthene (5/13/2009): < 0.012 mg/kg Lab 2-3 ft
Fluoranthene (5/13/2009): < 0.012 mg/kg Lab 4-5 ft

RM-1-2
Acenaphthene (5/13/2009): < 0.014 mg/kg Lab 2-3 ft
Acenaphthene (5/13/2009): < 0.014 mg/kg Lab 4-5 ft
Acenaphthylene (5/13/2009): < 0.016 mg/kg Lab 2-3 ft
Acenaphthylene (5/13/2009): < 0.016 mg/kg Lab 4-5 ft
Anthracene (5/13/2009): < 0.014 mg/kg Lab 2-3 ft
Anthracene (5/13/2009): < 0.014 mg/kg Lab 4-5 ft
Benzo(g,h,i)perylene (5/13/2009): < 0.021 mg/kg Lab 2-3 ft
Benzo(g,h,i)perylene (5/13/2009): < 0.021 mg/kg Lab 4-5 ft
Fluoranthene (5/13/2009): < 0.012 mg/kg Lab 2-3 ft
Fluoranthene (5/13/2009): < 0.012 mg/kg Lab 4-5 ft

6. RAW MATERIALS AREA

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-79

SWMU 6
nPAH GROUP A,
OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 15:05 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-79 nPAH Group A Other Depths.mxd User: KJM

RM-6-1
1-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
Fluorene (9/13/2006): < 0.34 mg/kg Lab
Naphthalene (9/13/2006): < 0.34 mg/kg Lab
Phenanthrene (9/13/2006): < 0.34 mg/kg Lab
Pyrene (9/13/2006): < 0.34 mg/kg Lab

RM-9-1
2-Methylnaphthalene (5/19/2009): 0.025 mg/kg J Lab
Carbazole (5/19/2009): 0.015 mg/kg J Lab
Fluorene (5/19/2009): < 0.013 mg/kg Lab
Naphthalene (5/19/2009): 0.022 mg/kg J Lab
Phenanthrene (5/19/2009): 0.061 mg/kg J Lab
Pyrene (5/19/2009): 0.047 mg/kg J Lab

RM-4-1
1-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
Fluorene (9/12/2006): < 0.34 mg/kg Lab
Naphthalene (9/12/2006): < 0.34 mg/kg Lab
Phenanthrene (9/12/2006): < 0.34 mg/kg Lab
Pyrene (9/12/2006): < 0.34 mg/kg Lab

RM-8-3
1-Methylnaphthalene (9/13/2006): < 0.35 mg/kg Lab
2-Methylnaphthalene (9/13/2006): < 0.35 mg/kg Lab
Fluorene (9/13/2006): < 0.35 mg/kg Lab
Naphthalene (9/13/2006): < 0.35 mg/kg Lab
Phenanthrene (9/13/2006): 0.14 mg/kg J Lab
Pyrene (9/13/2006): 0.20 mg/kg J Lab

RM-10-5
2-Methylnaphthalene (5/19/2009): 0.067 mg/kg J Lab
Carbazole (5/19/2009): 0.037 mg/kg J Lab
Fluorene (5/19/2009): < 0.013 mg/kg Lab
Naphthalene (5/19/2009): 0.11 mg/kg J Lab
Phenanthrene (5/19/2009): 0.21 mg/kg J Lab
Pyrene (5/19/2009): 0.25 mg/kg J Lab

RM-8-7
2-Methylnaphthalene (6/2/2009): 0.029 mg/kg J Lab
Carbazole (6/2/2009): 0.037 mg/kg J Lab
Fluorene (6/2/2009): 0.019 mg/kg J Lab
Naphthalene (6/2/2009): 0.044 mg/kg J Lab
Phenanthrene (6/2/2009): 0.18 mg/kg J Lab
Pyrene (6/2/2009): 0.18 mg/kg J Lab

RM-7-2
1-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
Fluorene (9/13/2006): < 0.34 mg/kg Lab
Naphthalene (9/13/2006): < 0.34 mg/kg Lab
Phenanthrene (9/13/2006): < 0.34 mg/kg Lab
Pyrene (9/13/2006): < 0.34 mg/kg Lab

RM-5-2
1-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
Fluorene (9/12/2006): < 0.34 mg/kg Lab
Naphthalene (9/12/2006): < 0.34 mg/kg Lab
Phenanthrene (9/12/2006): < 0.34 mg/kg Lab
Pyrene (9/12/2006): < 0.34 mg/kg Lab

6. RAW MATERIALS

RM-2-3
1-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
Fluorene (9/12/2006): < 0.34 mg/kg Lab
Naphthalene (9/12/2006): < 0.34 mg/kg Lab
Phenanthrene (9/12/2006): < 0.34 mg/kg Lab
Pyrene (9/12/2006): 0.093 mg/kg J Lab

RM-3-3
1-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
Fluorene (9/12/2006): < 0.34 mg/kg Lab
Naphthalene (9/12/2006): < 0.34 mg/kg Lab
Phenanthrene (9/12/2006): < 0.34 mg/kg Lab
Pyrene (9/12/2006): < 0.34 mg/kg Lab

RM-2-7
2-Methylnaphthalene (6/2/2009): 0.037 mg/kg J Lab
Carbazole (6/2/2009): 0.026 mg/kg J Lab
Fluorene (6/2/2009): 0.016 mg/kg J Lab
Naphthalene (6/2/2009): 0.058 mg/kg J Lab
Phenanthrene (6/2/2009): 0.17 mg/kg J Lab
Pyrene (6/2/2009): 0.22 mg/kg J Lab

RM-1-2
1-Methylnaphthalene (9/12/2006): 0.25 mg/kg J Lab
2-Methylnaphthalene (9/12/2006): 0.35 mg/kg Lab
Fluorene (9/12/2006): 0.19 mg/kg J Lab
Naphthalene (9/12/2006): 0.55 mg/kg Lab
Phenanthrene (9/12/2006): 2.2 mg/kg Lab
Pyrene (9/12/2006): 2.3 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-80

SWMU 6
nPAH GROUP B,
0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
1-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
Fluorene (9/13/2006): < 0.34 mg/kg Lab
Naphthalene (9/13/2006): < 0.34 mg/kg Lab
Phenanthrene (9/13/2006): < 0.34 mg/kg Lab
Pyrene (9/13/2006): 0.11 mg/kg J Lab

RM-8-7
2-Methylnaphthalene (6/2/2009): 0.019 mg/kg J Lab
Carbazole (6/2/2009): 0.013 mg/kg J Lab
Fluorene (6/2/2009): < 0.013 mg/kg Lab
Naphthalene (6/2/2009): 0.016 mg/kg J Lab
Phenanthrene (6/2/2009): 0.10 mg/kg J Lab
Pyrene (6/2/2009): 0.056 mg/kg J Lab

RM-10-5
2-Methylnaphthalene (5/19/2009): 0.020 mg/kg J Lab
Carbazole (5/19/2009): 0.019 mg/kg J Lab
Fluorene (5/19/2009): < 0.013 mg/kg Lab
Naphthalene (5/19/2009): 0.027 mg/kg J Lab
Phenanthrene (5/19/2009): 0.062 mg/kg J Lab
Pyrene (5/19/2009): 0.11 mg/kg J Lab

RM-7-2
1-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
Fluorene (9/13/2006): < 0.34 mg/kg Lab
Naphthalene (9/13/2006): < 0.34 mg/kg Lab
Phenanthrene (9/13/2006): < 0.34 mg/kg Lab
Pyrene (9/13/2006): 0.064 mg/kg J Lab

RM-6-1
1-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/13/2006): < 0.34 mg/kg Lab
Fluorene (9/13/2006): < 0.34 mg/kg Lab
Naphthalene (9/13/2006): < 0.34 mg/kg Lab
Phenanthrene (9/13/2006): < 0.34 mg/kg Lab
Pyrene (9/13/2006): 0.071 mg/kg J Lab

RM-5-2
1-Methylnaphthalene (9/12/2006): < 0.36 mg/kg Lab
2-Methylnaphthalene (9/12/2006): < 0.36 mg/kg Lab
2-Methylnaphthalene (5/14/2009): < 0.011 mg/kg Lab
Carbazole (5/14/2009): < 0.012 mg/kg Lab
Fluorene (9/12/2006): < 0.36 mg/kg Lab
Fluorene (5/14/2009): < 0.013 mg/kg Lab
Naphthalene (9/12/2006): < 0.36 mg/kg Lab
Naphthalene (5/14/2009): < 0.015 mg/kg Lab
Phenanthrene (9/12/2006): < 0.36 mg/kg Lab
Phenanthrene (5/14/2009): 0.016 mg/kg J Lab
Pyrene (9/12/2006): < 0.36 mg/kg Lab
Pyrene (5/14/2009): 0.015 mg/kg J Lab

RM-9-1
2-Methylnaphthalene (5/19/2009): < 0.011 mg/kg Lab
Carbazole (5/19/2009): < 0.012 mg/kg Lab
Fluorene (5/19/2009): < 0.013 mg/kg Lab
Naphthalene (5/19/2009): < 0.015 mg/kg Lab
Phenanthrene (5/19/2009): 0.016 mg/kg J Lab
Pyrene (5/19/2009): 0.014 mg/kg J Lab

RM-4-1
1-Methylnaphthalene (9/12/2006): < 0.35 mg/kg Lab
2-Methylnaphthalene (9/12/2006): < 0.35 mg/kg Lab
Fluorene (9/12/2006): < 0.35 mg/kg Lab
Naphthalene (9/12/2006): < 0.35 mg/kg Lab
Phenanthrene (9/12/2006): < 0.35 mg/kg Lab
Pyrene (9/12/2006): < 0.35 mg/kg Lab

6. RAW MATERIALS AREA

RM-3-3
1-Methylnaphthalene (9/12/2006): < 0.35 mg/kg Lab
2-Methylnaphthalene (9/12/2006): < 0.35 mg/kg Lab
Fluorene (9/12/2006): < 0.35 mg/kg Lab
Naphthalene (9/12/2006): < 0.35 mg/kg Lab
Phenanthrene (9/12/2006): < 0.35 mg/kg Lab
Pyrene (9/12/2006): 0.057 mg/kg J Lab

RM-2-3
1-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
2-Methylnaphthalene (9/12/2006): < 0.34 mg/kg Lab
Fluorene (9/12/2006): < 0.34 mg/kg Lab
Naphthalene (9/12/2006): < 0.34 mg/kg Lab
Phenanthrene (9/12/2006): 0.13 mg/kg J Lab
Pyrene (9/12/2006): 0.20 mg/kg J Lab

RM-1-2
1-Methylnaphthalene (9/12/2006): < 0.36 mg/kg Lab
2-Methylnaphthalene (9/12/2006): < 0.36 mg/kg Lab
2-Methylnaphthalene (5/13/2009): < 0.011 mg/kg Lab
Carbazole (5/13/2009): < 0.012 mg/kg Lab
Fluorene (9/12/2006): < 0.36 mg/kg Lab
Fluorene (5/13/2009): < 0.013 mg/kg Lab
Naphthalene (9/12/2006): < 0.36 mg/kg Lab
Naphthalene (5/13/2009): < 0.015 mg/kg Lab
Phenanthrene (9/12/2006): 0.15 mg/kg J Lab
Phenanthrene (5/13/2009): < 0.010 mg/kg Lab
Pyrene (9/12/2006): 0.28 mg/kg J Lab
Pyrene (5/13/2009): < 0.014 mg/kg Lab

RM-2-7
2-Methylnaphthalene (5/13/2009): < 0.011 mg/kg Lab
2-Methylnaphthalene (6/2/2009): 0.027 mg/kg J Lab
Carbazole (5/13/2009): < 0.012 mg/kg Lab
Carbazole (6/2/2009): 0.021 mg/kg J Lab
Fluorene (5/13/2009): < 0.013 mg/kg Lab
Fluorene (6/2/2009): < 0.013 mg/kg Lab
Naphthalene (5/13/2009): < 0.015 mg/kg Lab
Naphthalene (6/2/2009): 0.037 mg/kg J Lab
Phenanthrene (5/13/2009): < 0.010 mg/kg Lab
Phenanthrene (6/2/2009): 0.12 mg/kg J Lab
Pyrene (5/13/2009): < 0.014 mg/kg Lab
Pyrene (6/2/2009): 0.14 mg/kg J Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

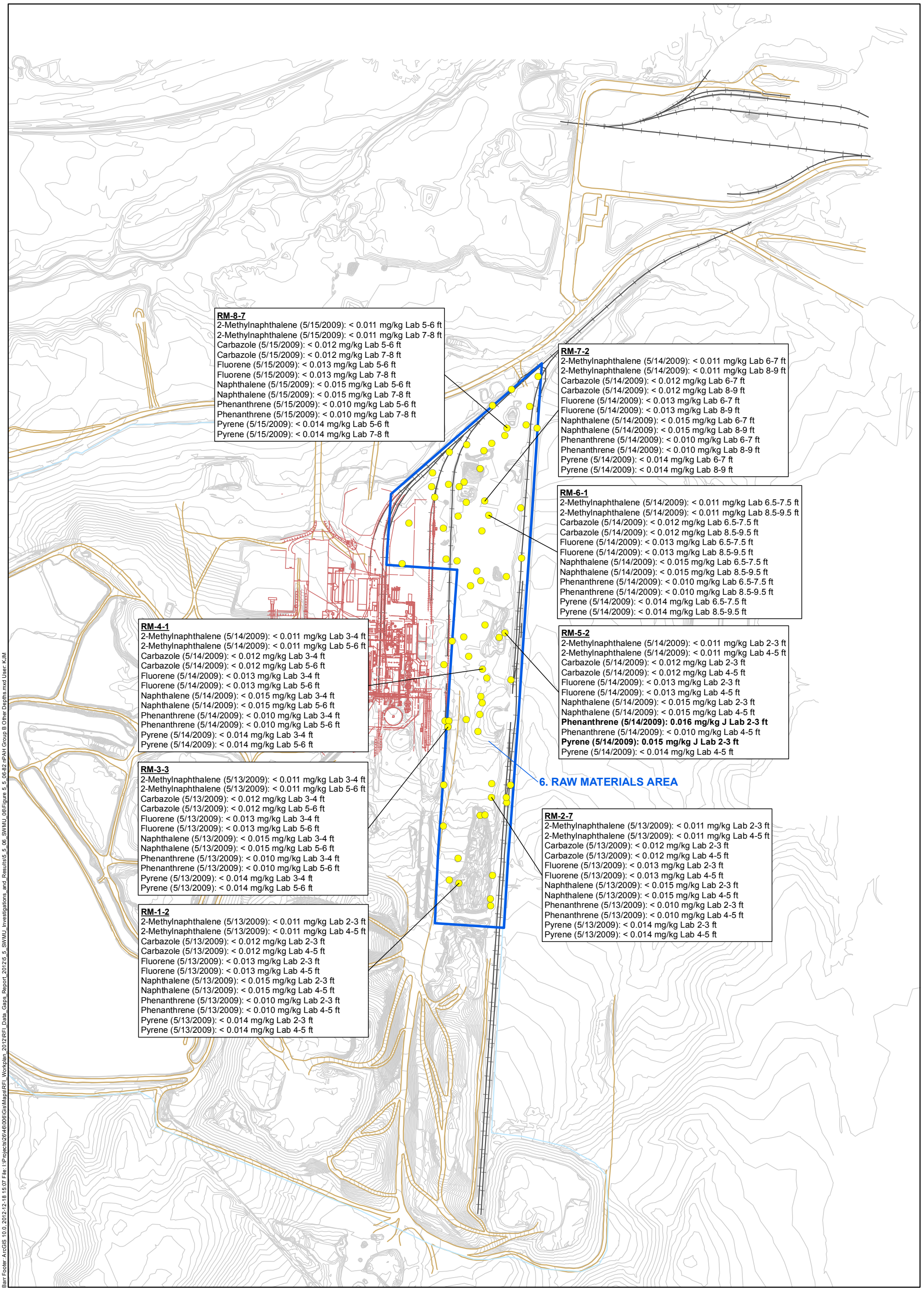
Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-81

SWMU 6
nPAH GROUP B,
2-12 INCHES
Rhodia Silver Bow Plant
Montana



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Sample Location

SMWU 6

Elevation Contour

Drainage

Railroad

Road

Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet

500 0 500

Figure 5.5.6-82

SWMU 6
nPAH GROUP B,
OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

RM-10-5
Lead 210 (5/19/2009): 18 pCi/g Lab
Radium 226 (5/19/2009): 26 pCi/g Lab
Thorium 230 (5/19/2009): 21 pCi/g Lab
Uranium 234 (5/19/2009): 21 pCi/g Lab
Uranium 235 (5/19/2009): 1.4 pCi/g Lab
Uranium 238 (5/19/2009): 20.2 pCi/g Lab

RM-8-3
Lead 210 (9/13/2006): 20 pCi/g Lab
Radium 226 (9/13/2006): 33.3 pCi/g Lab
Thorium 230 (9/13/2006): 25 pCi/g Lab
Uranium 234 (9/13/2006): 20 pCi/g Lab
Uranium 238 (9/13/2006): 24 pCi/g Lab

RM-7-2
Lead 210 (9/13/2006): 25 pCi/g Lab
Radium 226 (9/13/2006): 35.2 pCi/g Lab
Thorium 230 (9/13/2006): 33 pCi/g Lab
Uranium 234 (9/13/2006): 38 pCi/g Lab
Uranium 238 (9/13/2006): 38 pCi/g Lab

RM-8-7
Lead 210 (6/2/2009): 11 pCi/g Lab
Radium 226 (6/2/2009): 14 pCi/g Lab
Thorium 230 (6/2/2009): 9.8 pCi/g Lab
Uranium 234 (6/2/2009): 9.2 pCi/g Lab
Uranium 235 (6/2/2009): 0.39 pCi/g Lab
Uranium 238 (6/2/2009): 9.21 pCi/g Lab

RM-9-1
Lead 210 (5/19/2009): 30 pCi/g Lab
Radium 226 (5/19/2009): 41 pCi/g Lab
Thorium 230 (5/19/2009): 30 pCi/g Lab
Uranium 234 (5/19/2009): 35 pCi/g Lab
Uranium 235 (5/19/2009): 2.5 pCi/g Lab
Uranium 238 (5/19/2009): 32.7 pCi/g Lab

RM-6-1
Lead 210 (9/13/2006): 1.1 pCi/g Lab
Radium 226 (9/13/2006): 1.4 pCi/g Lab
Thorium 230 (9/13/2006): 0.6 pCi/g Lab
Uranium 234 (9/13/2006): < 0.2 pCi/g Lab
Uranium 238 (9/13/2006): < 0.2 pCi/g Lab

RM-5-2
Lead 210 (9/12/2006): 32 pCi/g Lab
Radium 226 (9/12/2006): 34.4 pCi/g Lab
Thorium 230 (9/12/2006): 38 pCi/g Lab
Uranium 234 (9/12/2006): 43 pCi/g Lab
Uranium 238 (9/12/2006): 40 pCi/g Lab

RM-4-1
Lead 210 (9/12/2006): 33 pCi/g Lab
Radium 226 (9/12/2006): 36.4 pCi/g Lab
Thorium 230 (9/12/2006): 41 pCi/g Lab
Uranium 234 (9/12/2006): 34 pCi/g Lab
Uranium 238 (9/12/2006): 29 pCi/g Lab

6. RAW MATERIALS AREA

RM-3-3
Lead 210 (9/12/2006): 13 pCi/g Lab
Radium 226 (9/12/2006): 27.7 pCi/g Lab
Thorium 230 (9/12/2006): 25 pCi/g Lab
Uranium 234 (9/12/2006): 26 pCi/g Lab
Uranium 238 (9/12/2006): 26 pCi/g Lab

RM-2-3
Lead 210 (9/12/2006): 18 pCi/g Lab
Radium 226 (9/12/2006): 29.9 pCi/g Lab
Thorium 230 (9/12/2006): 25 pCi/g Lab
Uranium 234 (9/12/2006): 21 pCi/g Lab
Uranium 238 (9/12/2006): 24 pCi/g Lab

RM-2-7
Lead 210 (6/2/2009): 18 pCi/g Lab
Radium 226 (6/2/2009): 24 pCi/g Lab
Thorium 230 (6/2/2009): 25 pCi/g Lab
Uranium 234 (6/2/2009): 27 pCi/g Lab
Uranium 235 (6/2/2009): 1.3 pCi/g Lab
Uranium 238 (6/2/2009): 29.9 pCi/g Lab

RM-1-2
Lead 210 (9/12/2006): 16 pCi/g Lab
Radium 226 (9/12/2006): 20.2 pCi/g Lab
Thorium 230 (9/12/2006): 18 pCi/g Lab
Uranium 234 (9/12/2006): 15 pCi/g Lab
Uranium 238 (9/12/2006): 19 pCi/g Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-83

SWMU 6
RADIONUCLIDES,
0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
Lead 210 (9/13/2006): 7.9 pCi/g Lab
Radium 226 (9/13/2006): 15.1 pCi/g Lab
Thorium 230 (9/13/2006): 12 pCi/g Lab
Uranium 234 (9/13/2006): 20 pCi/g Lab
Uranium 238 (9/13/2006): 19 pCi/g Lab

RM-10-5
Lead 210 (5/19/2009): 25 pCi/g Lab
Radium 226 (5/19/2009): 19 pCi/g Lab
Thorium 230 (5/19/2009): 16 pCi/g Lab
Uranium 234 (5/19/2009): 12 pCi/g Lab
Uranium 235 (5/19/2009): 0.8 pCi/g Lab
Uranium 238 (5/19/2009): 11 pCi/g Lab

RM-8-7
Lead 210 (6/2/2009): 31 pCi/g Lab
Radium 226 (6/2/2009): 15 pCi/g Lab
Thorium 230 (6/2/2009): 16 pCi/g Lab
Uranium 234 (6/2/2009): 17 pCi/g Lab
Uranium 235 (6/2/2009): 0.94 pCi/g Lab
Uranium 238 (6/2/2009): 17.5 pCi/g Lab

RM-7-2
Lead 210 (9/13/2006): 23 pCi/g Lab
Radium 226 (9/13/2006): 29.9 pCi/g Lab
Thorium 230 (9/13/2006): 28 pCi/g Lab
Uranium 234 (9/13/2006): 30 pCi/g Lab
Uranium 238 (9/13/2006): 28 pCi/g Lab

RM-6-1
Lead 210 (9/13/2006): 1.1 pCi/g Lab
Radium 226 (9/13/2006): 1.1 pCi/g Lab
Thorium 230 (9/13/2006): 0.9 pCi/g Lab
Uranium 234 (9/13/2006): < 0.2 pCi/g Lab
Uranium 238 (9/13/2006): < 0.2 pCi/g Lab

RM-9-1
Lead 210 (5/19/2009): 30 pCi/g Lab
Radium 226 (5/19/2009): 40 pCi/g Lab
Thorium 230 (5/19/2009): 37 pCi/g Lab
Uranium 234 (5/19/2009): 35 pCi/g Lab
Uranium 235 (5/19/2009): 1.6 pCi/g Lab
Uranium 238 (5/19/2009): 36.6 pCi/g Lab

RM-5-2
Lead 210 (9/12/2006): 27 pCi/g Lab
Lead 210 (5/14/2009): < 4.3 pCi/g Lab
Radium 226 (9/12/2006): 34.2 pCi/g Lab
Radium 226 (5/14/2009): 3.8 pCi/g Lab
Thorium 230 (9/12/2006): 34 pCi/g Lab
Thorium 230 (5/14/2009): 1.3 pCi/g Lab
Uranium 234 (9/12/2006): 40 pCi/g Lab
Uranium 234 (5/14/2009): 1.1 pCi/g Lab
Uranium 235 (5/14/2009): < 0.35 pCi/g Lab
Uranium 238 (9/12/2006): 45 pCi/g Lab
Uranium 238 (5/14/2009): 0.85 pCi/g Lab

RM-4-1
Lead 210 (9/12/2006): 30 pCi/g Lab
Radium 226 (9/12/2006): 36.3 pCi/g Lab
Thorium 230 (9/12/2006): 34 pCi/g Lab
Uranium 234 (9/12/2006): 33 pCi/g Lab
Uranium 238 (9/12/2006): 39 pCi/g Lab

RM-4-7
Lead 210 (6/2/2009): < 6.8 pCi/g Lab
Radium 226 (6/2/2009): 4.6 pCi/g Lab
Thorium 230 (6/2/2009): < 0.61 pCi/g Lab
Uranium 234 (6/2/2009): 0.93 pCi/g Lab
Uranium 235 (6/2/2009): < 0.2 pCi/g Lab
Uranium 238 (6/2/2009): 0.79 pCi/g Lab

6. RAW MATERIALS AREA

RM-2-3
Lead 210 (9/12/2006): 13 pCi/g Lab
Radium 226 (9/12/2006): 20.4 pCi/g Lab
Thorium 230 (9/12/2006): 14 pCi/g Lab
Uranium 234 (9/12/2006): 17 pCi/g Lab
Uranium 238 (9/12/2006): 16 pCi/g Lab

RM-3-3
Lead 210 (9/12/2006): 14 pCi/g Lab
Radium 226 (9/12/2006): 24.5 pCi/g Lab
Thorium 230 (9/12/2006): 27 pCi/g Lab
Uranium 234 (9/12/2006): 24 pCi/g Lab
Uranium 238 (9/12/2006): 25 pCi/g Lab

RM-2-7
Lead 210 (5/13/2009): < 4.7 pCi/g Lab
Lead 210 (6/2/2009): 13 pCi/g Lab
Radium 226 (5/13/2009): 4.5 pCi/g Lab
Radium 226 (6/2/2009): 27 pCi/g Lab
Thorium 230 (5/13/2009): 0.84 pCi/g Lab
Thorium 230 (6/2/2009): 26 pCi/g Lab
Uranium 234 (5/13/2009): 0.69 pCi/g Lab
Uranium 234 (6/2/2009): 21 pCi/g Lab
Uranium 235 (5/13/2009): 0.25 pCi/g Lab
Uranium 235 (6/2/2009): 0.8 pCi/g Lab
Uranium 238 (5/13/2009): 0.93 pCi/g Lab
Uranium 238 (6/2/2009): 23.6 pCi/g Lab

RM-1-2
Lead 210 (9/12/2006): 19 pCi/g Lab
Lead 210 (5/13/2009): < 4.3 pCi/g Lab
Radium 226 (9/12/2006): 21.1 pCi/g Lab
Radium 226 (5/13/2009): 3.3 pCi/g Lab
Thorium 230 (9/12/2006): 26 pCi/g Lab
Thorium 230 (5/13/2009): 0.64 pCi/g Lab
Uranium 234 (9/12/2006): 22 pCi/g Lab
Uranium 234 (5/13/2009): 1 pCi/g Lab
Uranium 235 (5/13/2009): 0.22 pCi/g Lab
Uranium 238 (9/12/2006): 28 pCi/g Lab
Uranium 238 (5/13/2009): 0.78 pCi/g Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-84

SWMU 6
RADIONUCLIDES,
2-12 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-7
Lead 210 (5/15/2009): < 5.7 pCi/g Lab 5-6 ft
Lead 210 (5/15/2009): < 3.8 pCi/g Lab 7-8 ft
Radium 226 (5/15/2009): 4.7 pCi/g Lab 5-6 ft
Radium 226 (5/15/2009): 1.9 pCi/g Lab 7-8 ft
Thorium 230 (5/15/2009): 0.77 pCi/g Lab 5-6 ft
Thorium 230 (5/15/2009): 0.94 pCi/g Lab 7-8 ft
Uranium 234 (5/15/2009): 0.52 pCi/g Lab 5-6 ft
Uranium 234 (5/15/2009): 0.95 pCi/g Lab 7-8 ft
Uranium 235 (5/15/2009): < 0.3 pCi/g Lab 5-6 ft
Uranium 235 (5/15/2009): < 0.2 pCi/g Lab 7-8 ft
Uranium 238 (5/15/2009): 0.67 pCi/g Lab 5-6 ft
Uranium 238 (5/15/2009): 0.9 pCi/g Lab 7-8 ft

RM-7-2
Lead 210 (5/14/2009): < 5.2 pCi/g Lab 6-7 ft
Lead 210 (5/14/2009): < 4.4 pCi/g Lab 8-9 ft
Radium 226 (5/14/2009): 2.5 pCi/g Lab 6-7 ft
Radium 226 (5/14/2009): 2.8 pCi/g Lab 8-9 ft
Thorium 230 (5/14/2009): < 0.52 pCi/g Lab 6-7 ft
Thorium 230 (5/14/2009): 0.56 pCi/g Lab 8-9 ft
Uranium 234 (5/14/2009): 0.2 pCi/g Lab 6-7 ft
Uranium 234 (5/14/2009): 0.81 pCi/g Lab 8-9 ft
Uranium 235 (5/14/2009): < 0.19 pCi/g Lab 6-7 ft
Uranium 235 (5/14/2009): < 0.25 pCi/g Lab 8-9 ft
Uranium 238 (5/14/2009): 0.69 pCi/g Lab 6-7 ft
Uranium 238 (5/14/2009): 0.57 pCi/g Lab 8-9 ft

RM-6-1
Lead 210 (5/14/2009): < 5.3 pCi/g Lab 6.5-7.5 ft
Lead 210 (5/14/2009): < 4.7 pCi/g Lab 8.5-9.5 ft
Radium 226 (5/14/2009): 3.8 pCi/g Lab 6.5-7.5 ft
Radium 226 (5/14/2009): 3.1 pCi/g Lab 8.5-9.5 ft
Thorium 230 (5/14/2009): 1.9 pCi/g Lab 6.5-7.5 ft
Thorium 230 (5/14/2009): 0.83 pCi/g Lab 8.5-9.5 ft
Uranium 234 (5/14/2009): 1.7 pCi/g Lab 6.5-7.5 ft
Uranium 234 (5/14/2009): 0.56 pCi/g Lab 8.5-9.5 ft
Uranium 235 (5/14/2009): 0.54 pCi/g Lab 6.5-7.5 ft
Uranium 235 (5/14/2009): < 0.27 pCi/g Lab 8.5-9.5 ft
Uranium 238 (5/14/2009): 1.99 pCi/g Lab 6.5-7.5 ft
Uranium 238 (5/14/2009): 0.66 pCi/g Lab 8.5-9.5 ft

RM-5-2
Lead 210 (5/14/2009): < 4.3 pCi/g Lab 2-3 ft
Lead 210 (5/14/2009): < 4.9 pCi/g Lab 4-5 ft
Radium 226 (5/14/2009): 3.8 pCi/g Lab 2-3 ft
Radium 226 (5/14/2009): 3.3 pCi/g Lab 4-5 ft
Thorium 230 (5/14/2009): 1.3 pCi/g Lab 2-3 ft
Thorium 230 (5/14/2009): 1.4 pCi/g Lab 4-5 ft
Uranium 234 (5/14/2009): 1.1 pCi/g Lab 2-3 ft
Uranium 234 (5/14/2009): 0.98 pCi/g Lab 4-5 ft
Uranium 235 (5/14/2009): < 0.35 pCi/g Lab 2-3 ft
Uranium 235 (5/14/2009): < 0.21 pCi/g Lab 4-5 ft
Uranium 238 (5/14/2009): 0.85 pCi/g Lab 2-3 ft
Uranium 238 (5/14/2009): 0.98 pCi/g Lab 4-5 ft

RM-4-1
Lead 210 (5/14/2009): < 4.2 pCi/g Lab 3-4 ft
Lead 210 (5/14/2009): < 4.1 pCi/g Lab 5-6 ft
Radium 226 (5/14/2009): 4.9 pCi/g Lab 3-4 ft
Radium 226 (5/14/2009): 3.3 pCi/g Lab 5-6 ft
Thorium 230 (5/14/2009): 0.84 pCi/g Lab 3-4 ft
Thorium 230 (5/14/2009): 0.7 pCi/g Lab 5-6 ft
Uranium 234 (5/14/2009): 0.53 pCi/g Lab 3-4 ft
Uranium 234 (5/14/2009): 0.91 pCi/g Lab 5-6 ft
Uranium 235 (5/14/2009): < 0.27 pCi/g Lab 3-4 ft
Uranium 235 (5/14/2009): < 0.27 pCi/g Lab 5-6 ft
Uranium 238 (5/14/2009): 0.95 pCi/g Lab 3-4 ft
Uranium 238 (5/14/2009): 0.74 pCi/g Lab 5-6 ft

RM-4-7
Lead 210 (6/2/2009): < 6.8 pCi/g Lab 2-3 ft
Radium 226 (6/2/2009): 4.6 pCi/g Lab 2-3 ft
Thorium 230 (6/2/2009): < 0.61 pCi/g Lab 2-3 ft
Uranium 234 (6/2/2009): 0.93 pCi/g Lab 2-3 ft
Uranium 235 (6/2/2009): < 0.2 pCi/g Lab 2-3 ft
Uranium 238 (6/2/2009): 0.79 pCi/g Lab 2-3 ft

RM-3-3
Lead 210 (5/13/2009): < 5.9 pCi/g Lab 3-4 ft
Lead 210 (5/13/2009): < 5 pCi/g Lab 5-6 ft
Radium 226 (5/13/2009): 7.3 pCi/g Lab 3-4 ft
Radium 226 (5/13/2009): 3 pCi/g Lab 5-6 ft
Thorium 230 (5/13/2009): 2.7 pCi/g Lab 3-4 ft
Thorium 230 (5/13/2009): 0.85 pCi/g Lab 5-6 ft
Uranium 234 (5/13/2009): 1.2 pCi/g Lab 3-4 ft
Uranium 234 (5/13/2009): 0.51 pCi/g Lab 5-6 ft
Uranium 235 (5/13/2009): < 0.34 pCi/g Lab 3-4 ft
Uranium 235 (5/13/2009): < 0.21 pCi/g Lab 5-6 ft
Uranium 238 (5/13/2009): 0.56 pCi/g Lab 3-4 ft
Uranium 238 (5/13/2009): 0.47 pCi/g Lab 5-6 ft

RM-3-8
Lead 210 (6/2/2009): < 6 pCi/g Lab 2.5-3.2 ft
Radium 226 (6/2/2009): 6.7 pCi/g Lab 2.5-3.2 ft
Thorium 230 (6/2/2009): < 0.64 pCi/g Lab 2.5-3.2 ft
Uranium 234 (6/2/2009): 1.6 pCi/g Lab 2.5-3.2 ft
Uranium 235 (6/2/2009): 0.32 pCi/g Lab 2.5-3.2 ft
Uranium 238 (6/2/2009): 1.1 pCi/g Lab 2.5-3.2 ft

RM-3-7
Lead 210 (6/2/2009): < 6 pCi/g Lab 3-4 ft
Radium 226 (6/2/2009): 3.4 pCi/g Lab 3-4 ft
Thorium 230 (6/2/2009): < 0.61 pCi/g Lab 3-4 ft
Uranium 234 (6/2/2009): 1.5 pCi/g Lab 3-4 ft
Uranium 235 (6/2/2009): 0.22 pCi/g Lab 3-4 ft
Uranium 238 (6/2/2009): 1.31 pCi/g Lab 3-4 ft

RM-2-7
Lead 210 (5/13/2009): < 4.7 pCi/g Lab 2-3 ft
Lead 210 (5/13/2009): < 4.7 pCi/g Lab 4-5 ft
Radium 226 (5/13/2009): 4.5 pCi/g Lab 2-3 ft
Radium 226 (5/13/2009): 4.9 pCi/g Lab 4-5 ft
Thorium 230 (5/13/2009): 0.84 pCi/g Lab 2-3 ft
Thorium 230 (5/13/2009): 0.96 pCi/g Lab 4-5 ft
Uranium 234 (5/13/2009): 0.69 pCi/g Lab 2-3 ft
Uranium 234 (5/13/2009): 0.73 pCi/g Lab 4-5 ft
Uranium 235 (5/13/2009): 0.25 pCi/g Lab 2-3 ft
Uranium 235 (5/13/2009): 0.24 pCi/g Lab 4-5 ft
Uranium 238 (5/13/2009): 0.93 pCi/g Lab 2-3 ft
Uranium 238 (5/13/2009): 0.73 pCi/g Lab 4-5 ft

RM-1-2
Lead 210 (5/13/2009): < 4.3 pCi/g Lab 2-3 ft
Lead 210 (5/13/2009): < 5.1 pCi/g Lab 4-5 ft
Radium 226 (5/13/2009): 3.3 pCi/g Lab 2-3 ft
Radium 226 (5/13/2009): 3.1 pCi/g Lab 4-5 ft
Thorium 230 (5/13/2009): 0.64 pCi/g Lab 2-3 ft
Thorium 230 (5/13/2009): 0.81 pCi/g Lab 4-5 ft
Uranium 234 (5/13/2009): 1 pCi/g Lab 2-3 ft
Uranium 234 (5/13/2009): 1.1 pCi/g Lab 4-5 ft
Uranium 235 (5/13/2009): 0.22 pCi/g Lab 2-3 ft
Uranium 235 (5/13/2009): 0.30 pCi/g Lab 4-5 ft
Uranium 238 (5/13/2009): 0.78 pCi/g Lab 2-3 ft
Uranium 238 (5/13/2009): 0.84 pCi/g Lab 4-5 ft

6. RAW MATERIALS AREA

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N
Feet
500 0 500

Figure 5.5.6-85

SWMU 6
RADIONUCLIDES,
OTHER DEPTHS
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 15:08 File: I:\Projects\26146\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-85 Radionuclides Other Depths.mxd User: KJM

RM-8-3
Fluoride (9/13/2006): 6600 mg/kg Lab
Phosphorus, elemental (white) (9/13/2006): < 0.0000499 mg/kg J Lab

RM-10-5
Fluoride (5/19/2009): 26.4 mg/kg Lab

RM-9-1
Fluoride (5/19/2009): 16.1 mg/kg Lab

RM-8-7
Fluoride (6/2/2009): 10.3 mg/kg R Lab

RM-7-2
Fluoride (9/13/2006): 5100 mg/kg Lab

RM-6-1
Fluoride (9/13/2006): 880 mg/kg Lab
Phosphorus, elemental (white) (9/13/2006): < 0.0000499 mg/kg J Lab

RM-5-2
Fluoride (9/12/2006): 10000 mg/kg Lab

RM-4-1
Fluoride (9/12/2006): 5800 mg/kg Lab

6. RAW MATERIALS AREA

RM-3-3
Fluoride (9/12/2006): 8200 mg/kg Lab

RM-2-3
Fluoride (9/12/2006): 9800 mg/kg Lab

RM-2-7
Fluoride (6/2/2009): 28.7 mg/kg Lab

RM-1-2
Fluoride (9/12/2006): 5800 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-86

SWMU 6
GENERAL PARAMETERS
0-2 INCHES
Rhodia Silver Bow Plant
Montana

RM-8-3
Fluoride (9/13/2006): 5500 mg/kg Lab
Phosphorus, elemental (white) (9/13/2006): < 0.0000499 mg/kg J Lab

RM-10-5
Fluoride (5/19/2009): 25.0 mg/kg Lab

RM-9-1
Fluoride (5/19/2009): 14.9 mg/kg Lab

RM-8-7
Fluoride (6/2/2009): 26.6 mg/kg Lab

RM-7-2
Fluoride (9/13/2006): 4200 mg/kg Lab

RM-6-1
Fluoride (9/13/2006): 970 mg/kg Lab
Phosphorus, elemental (white) (9/13/2006): < 0.0000499 mg/kg J Lab

RM-5-2
Fluoride (9/12/2006): 4800 mg/kg J Lab

RM-4-1
Fluoride (9/12/2006): 15000 mg/kg Lab

6. RAW MATERIALS AREA

RM-2-3
Fluoride (9/12/2006): 11000 mg/kg Lab

RM-3-3
Fluoride (9/12/2006): 10000 mg/kg Lab

RM-2-7
Fluoride (6/2/2009): 38.2 mg/kg Lab

RM-1-2
Fluoride (9/12/2006): 14000 mg/kg Lab

Sample Location
SMWU 6
Elevation Contour
Drainage
Railroad
Road
Former Plant Structures

Bold font indicates that sample concentration is greater than the 95% UCL of mean Reference Area Concentration.

N

Feet
500 0 500

Figure 5.5.6-87

SWMU 6
GENERAL PARAMETERS
2-12 INCHES
Rhodia Silver Bow Plant
Montana

Barr Footer: ArcGIS 10.0, 2012-12-18 15:09 File: I:\Projects\26\48\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-87 General Parameters 2-12.mxd User: KJM

MW-EPA-3
RM-8-1
A
RM-8-6
RM-8-3
RM-8-5
8
MW-06-14
RM-8-4
RM-8-7
RM-8-2
MW-97-12
RM-7-4
RM-10-3
RM-7-1
RM-10-5
RM-7-3
MW-06-15
RM-7-6
7
RM-10-6
10
RM-7-5
RM-10-2
RM-10-1
RM-10-4
RM-9-2
RM-6-5
RM-7-2
RP-W-1A
RM-6-3
RP-W-1
RM-9-1
RM-6-1
MW-06-16
RM-9-6
RM-9-3
MW-06-17
9
RM-6-6
6
RM-9-5
RM-6-4
RM-9-4
RM-6-2
MW-06-18
RM-5-1
RM-5-3
RM-5-4
5
MW-06-20
MW-06-19
RM-5-2
RP-W-3
RM-5-5
RM-5-6
CS-5
RM-4-4
CS-6
CS-2
RM-4-2
6. RAW MATERIALS AREA
CS-1
RM-4-3
CS-3
CS-4
RM-4-1
MW-02-1
RP-W-7
RM-4-6
RM-4-5
4
RM-4-7
MW-02-2
MW-01-6
RM-3-7
MW-01-3
RM-3-4
RM-3-5
RM-3-1
MW-06-22
MW-01-2
RM-3-3
RM-3-8
3
MW-97-7
RM-3-6
RM-2-3
MW-06-25
RM-2-7
RM-2-1
RM-2-4
RP-W-2A
RM-2-6
RP-W-2
RM-2-2
MW-97-6
MW-01-4
MW-01-5
RM-2-5
2
RM-1-1
MW-01-1
RM-1-5
RM-1-6
RM-1-2
A'
1
RM-1-3
RM-1-4

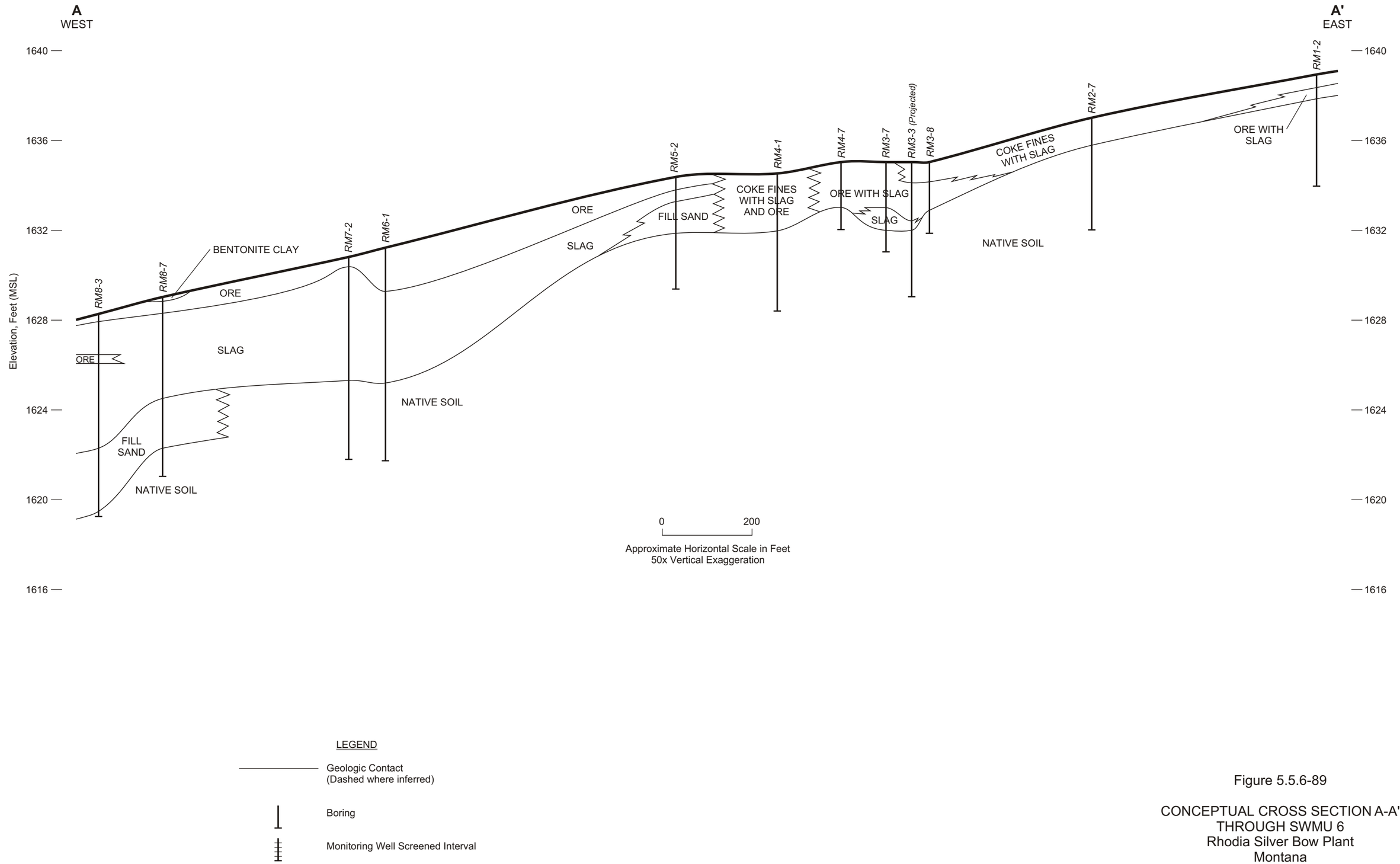
Monitoring Well
Production Well
Surface Sample
Test Pit
Cross Section Location
SWMU 6
Other SWMUs
Former Plant Structures
Elevation Contour
Drainage
Railroad
Road

N
Feet
250 0 250

Figure 5.5.6-88

SWMU 6
CROSS SECTION LOCATION
Rhodia Silver Bow Plant
Montana

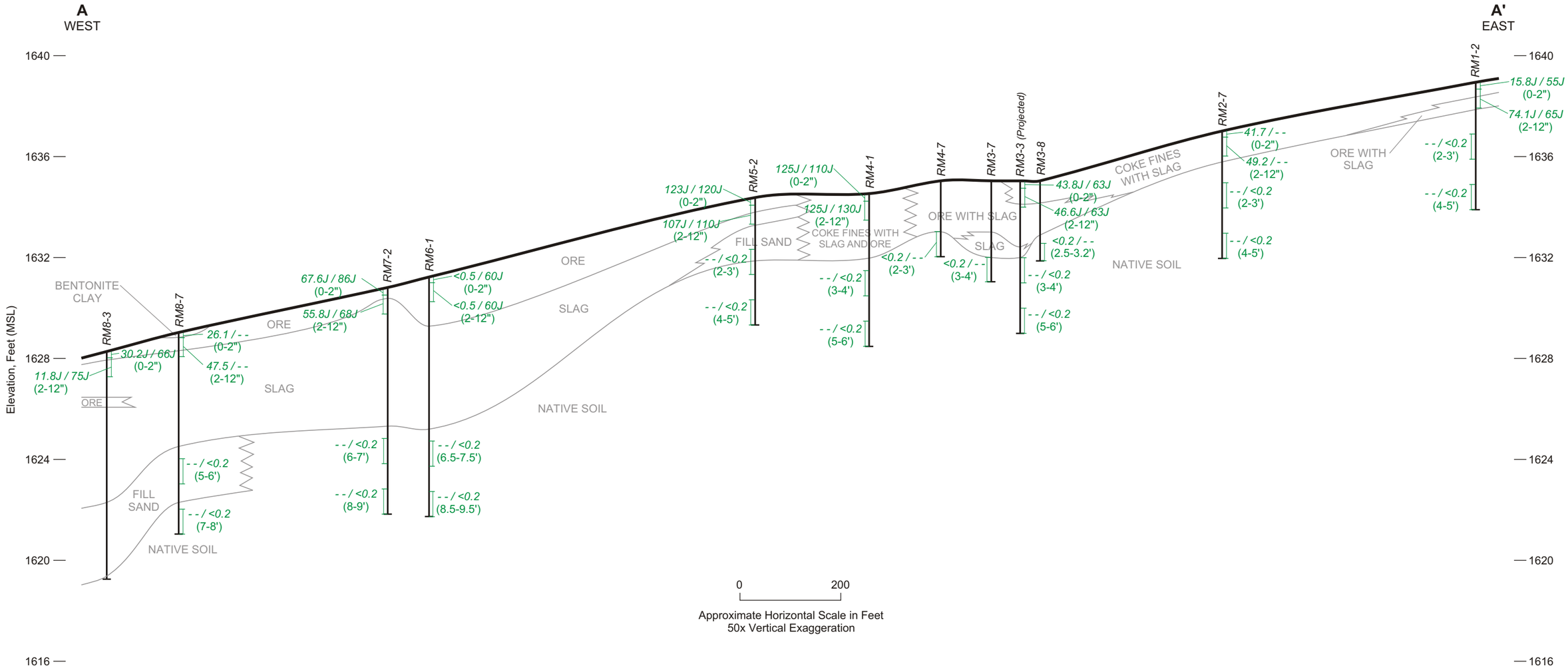
Barr Footer: ArcGIS 10.0, 2012-12-11 14:20 File: I:\Projects\26\46\006\GisMaps\RFI_Workplan_2012\RFI_Data_Gaps_Report_2012\5_5_SWMU_Investigations_and_Results\5_5_06_SWMU_06\Figure 5_5_06-88 Cross Section Location.mxd User: jwk



P:\Mpls\26 MT46\2646006\WorkFiles\Figures_Graphics\2012Cross Sections\Conceptual Cross Section A-A' Thru SWMU 6.CDR RLG 12-20-12

Figure 5.5.6-89

CONCEPTUAL CROSS SECTION A-A'
THROUGH SWMU 6
Rhodia Silver Bow Plant
Montana



LEGEND

Geologic Contact (Dashed where inferred)

Boring

Sample Interval

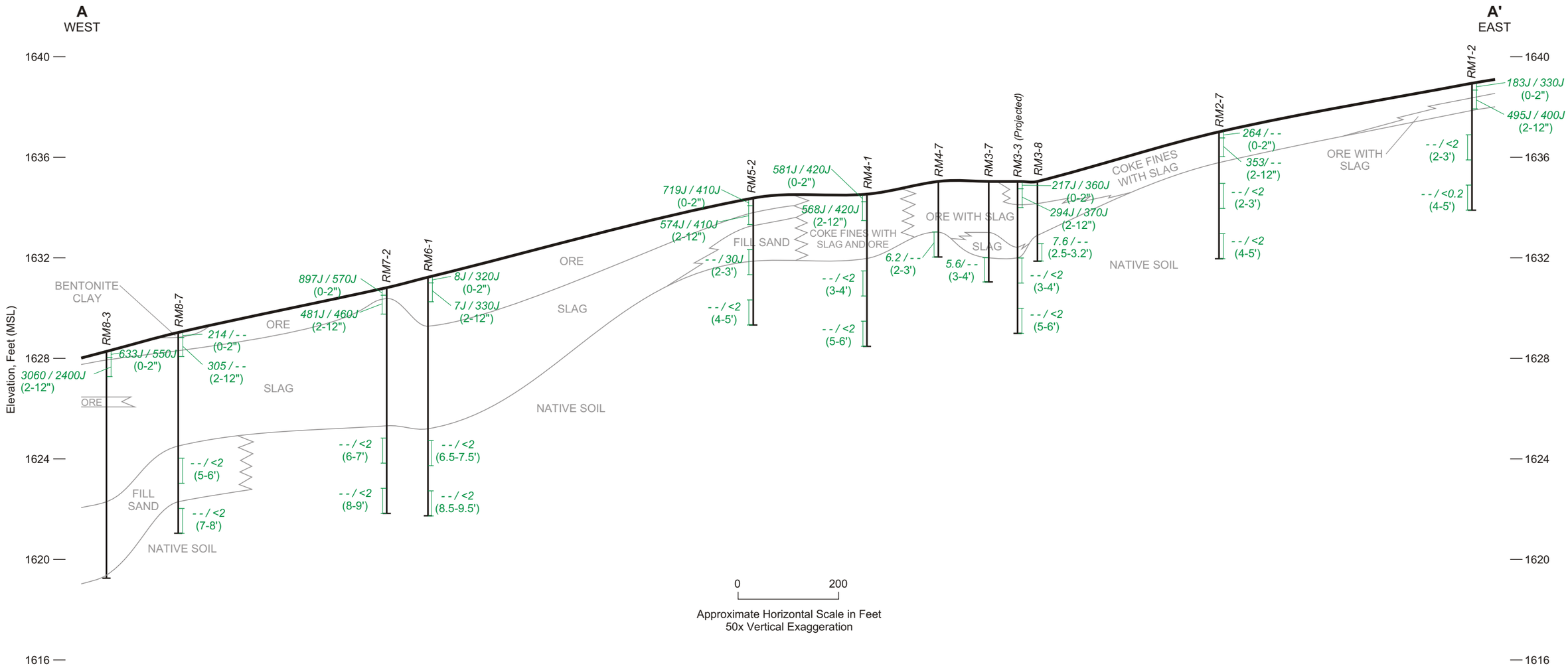
Lab
55.8J / 68J — Field
(2-12") — Depth B.G.S.

NOTES:
- Analytical data in mg/kg
- Field duplicate data not shown

Figure 5.5.6-90

SWMU 6
CONCEPTUAL CROSS SECTION
CADMIUM DIAGRAM
Rhodia Silver Bow Plant
Montana

P:\Mpls\26 MT\46\2646006\WorkFiles\Figures_Graphics\2012Cross Sections\SWMU 6 Conceptual Cross Section Cadmium Diagram.CDR RLG 12-28-12



LEGEND

- Geologic Contact (Dashed where inferred)
- Boring
- Sample Interval
- Lab
- Field
- Depth B.G.S.

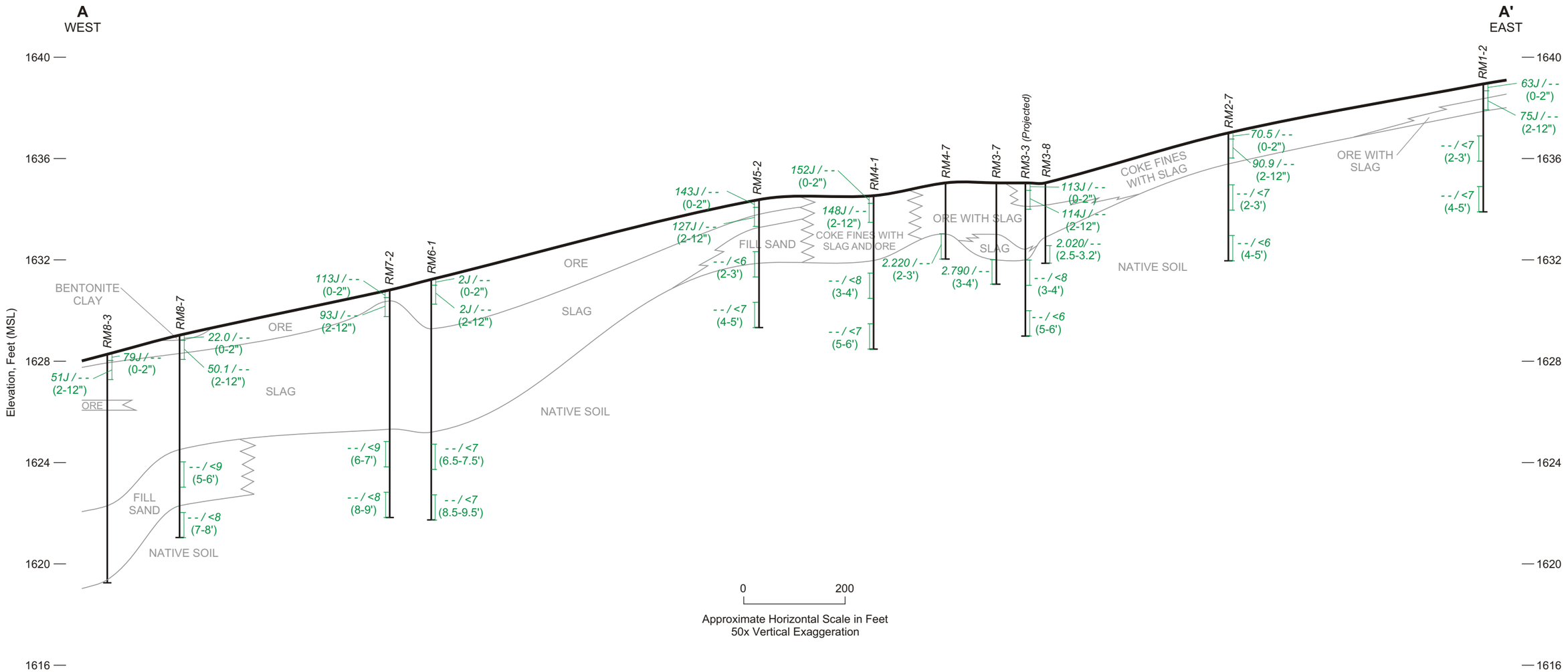
574J / 410J
(2-12")

NOTES:
- Analytical data in mg/kg.
- Field duplicate data not shown.
- For locations with more than one measurement from an interval, only most recent value is shown (RM8-3, 2-12").

Figure 5.5.6-91

SWMU 6
CONCEPTUAL CROSS SECTION
CHROMIUM DIAGRAM
Rhodia Silver Bow Plant
Montana

P:\Mpls\26 MT\46\26460061WorkFiles\Figures_Graphics\2012Cross Sections\SWMU 6 Conceptual Cross Section Chromium Diagram.CDR RLG 12-28-12



LEGEND

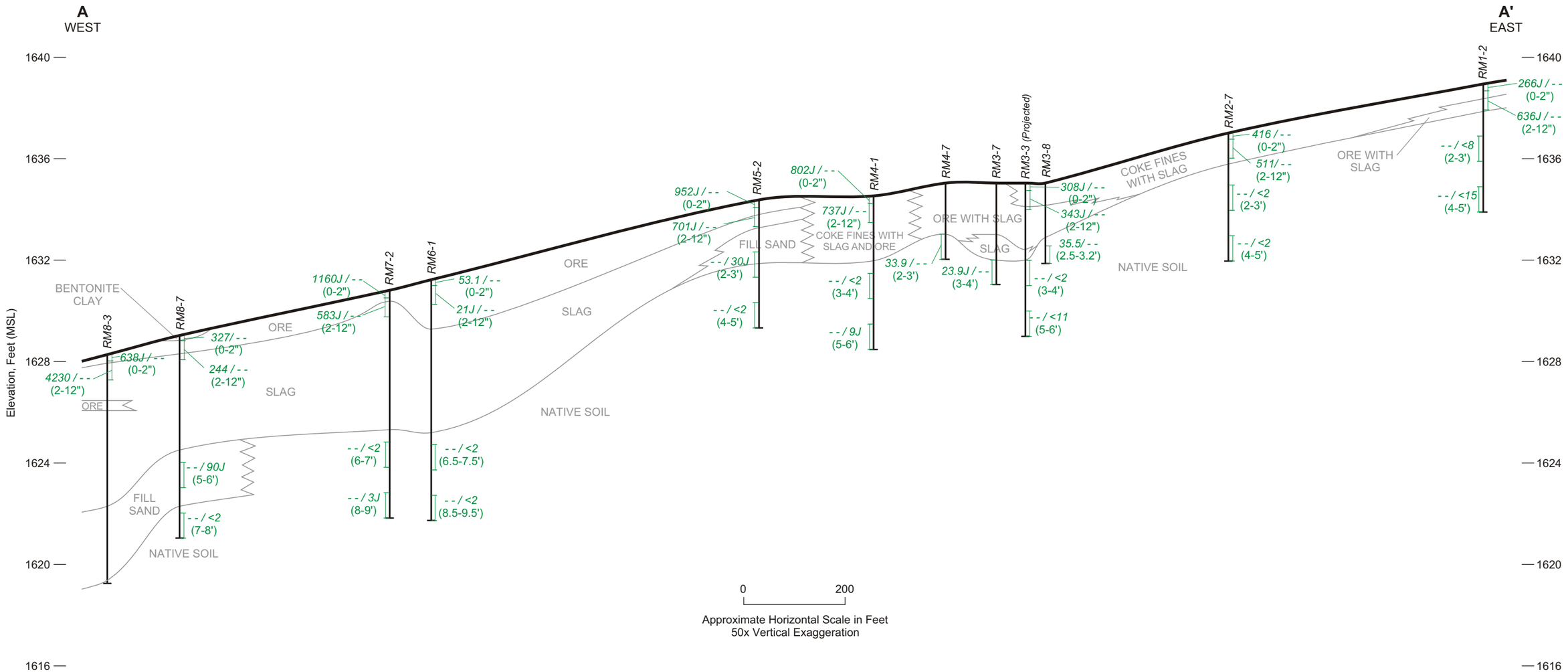
- Geologic Contact (Dashed where inferred)
- Boring
- Sample Interval
- Lab
- 574J / 410J — Field
- (2-12") — Depth B.G.S.

NOTES:
- Analytical data in mg/kg.
- Field duplicate data not shown.

Figure 5.5.6-92

SWMU 6
CONCEPTUAL CROSS SECTION
URANIUM DIAGRAM
Rhodia Silver Bow Plant
Montana

P:\Mpls\26 MT\46\264606\WorkFiles\Figures_Graphics\2012Cross Sections\SWMU 6 Conceptual Cross Section Uranium Diagram.CDR RLG 12-28-12



LEGEND

Geologic Contact (Dashed where inferred)

Boring

Sample Interval

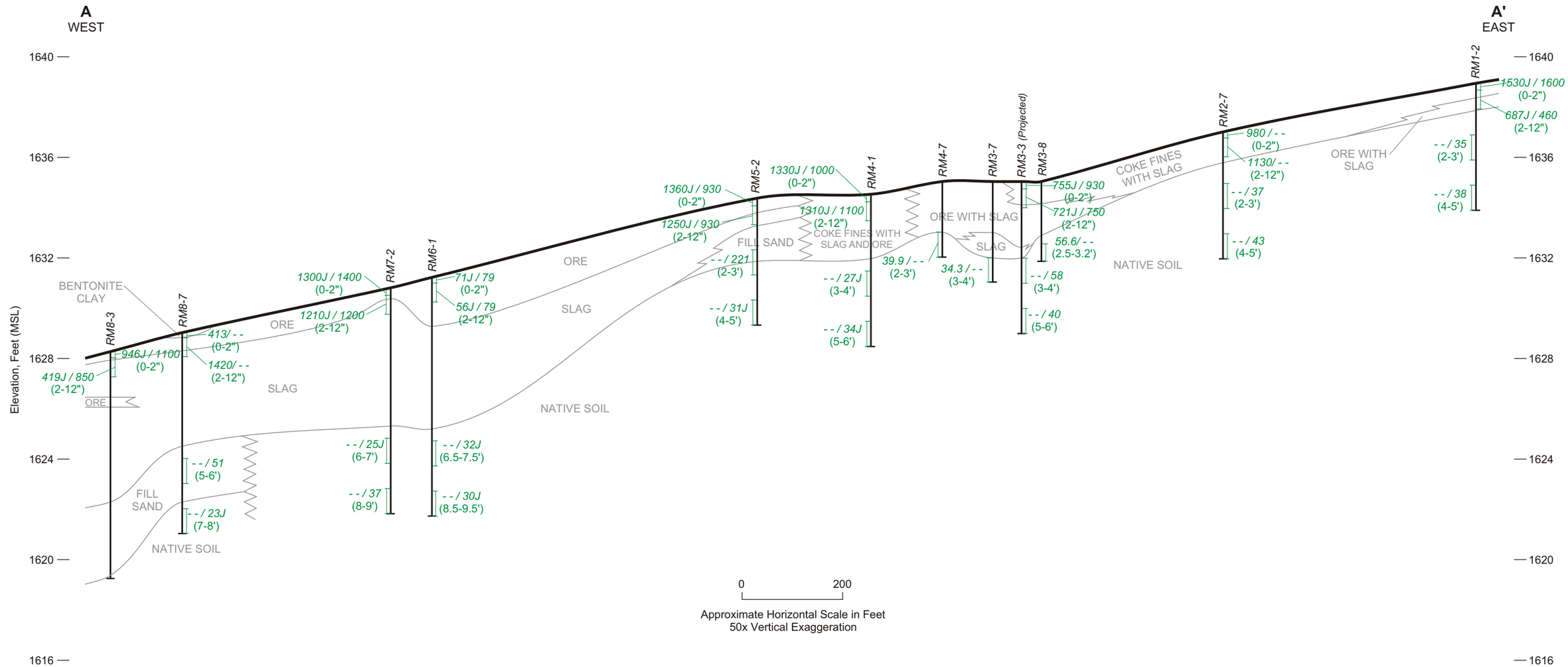
343J / - - (Field)
(2-12") (Depth B.G.S.)

NOTES:
- Analytical data in mg/kg.
- Field duplicate data not shown.
- For locations with more than one measurement from an interval, only most recent value is shown (RM8-3, 2-12" and RM6-1, 0-2").

Figure 5.5.6-93

SWMU 6
CONCEPTUAL CROSS SECTION
VANADIUM DIAGRAM
Rhodia Silver Bow Plant
Montana

P:\Mpls\26 MT\26460\WorkFiles\Figures_Graphics\2012Cross Sections\SWMU 6 Conceptual Cross Section Vanadium Diagram.CDR RLG 12-28-12



LEGEND

Geologic Contact
(Dashed where inferred)

Boring

Sample Interval

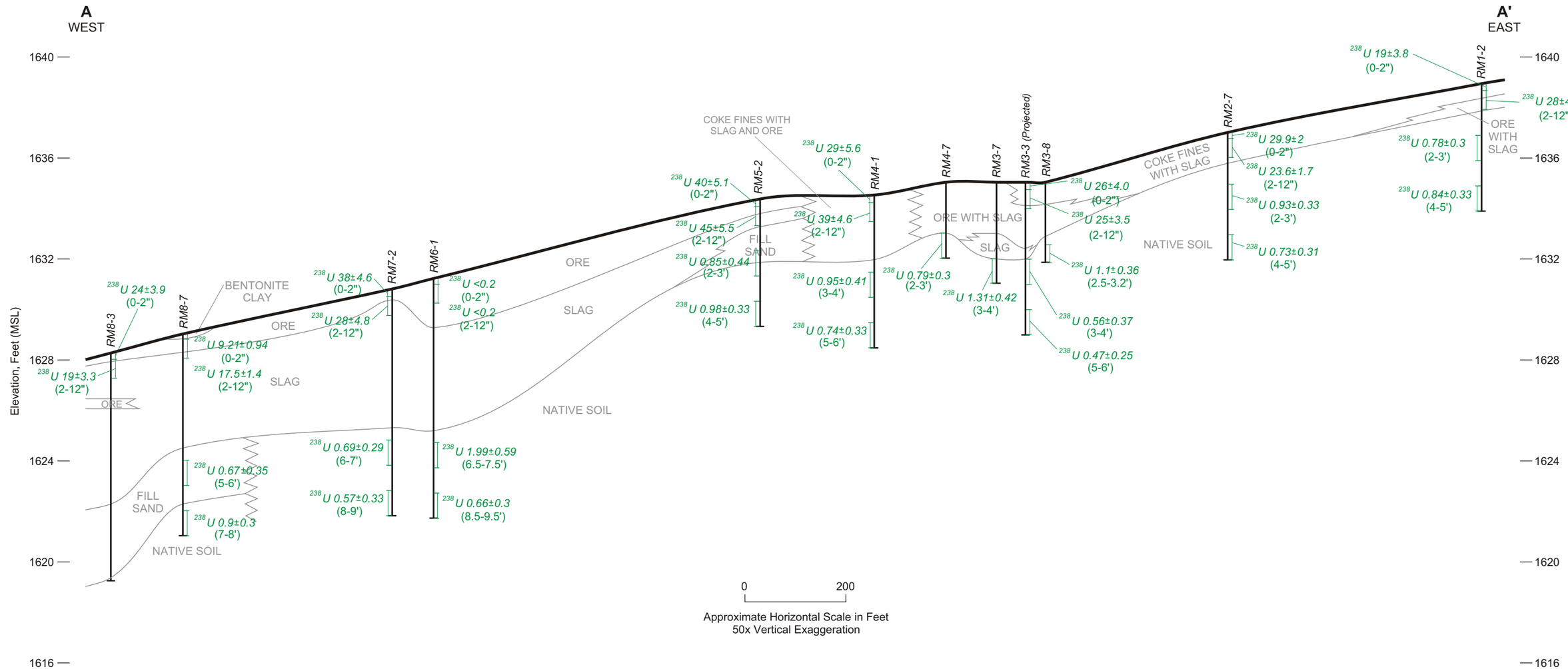
721J / 750 — Field
(2-12") — Depth B.G.S.
Lab

NOTES:
- Analytical data in mg/kg.
- Field duplicate data not shown.

Figure 5.5.6-94

SWMU 6
CONCEPTUAL CROSS SECTION
ZINC DIAGRAM
Rhodia Silver Bow Plant
Montana

P:\Mpls\26 MT\46\264606\WorkFiles\Figures_Graphics\2012Cross Sections\SWMU 6 Conceptual Cross Section Zinc Diagram.CDR RLG 12-28-12



LEGEND

Geologic Contact
(Dashed where inferred)

Boring

Sample Interval

^{238}U - Uranium 238

NOTES:
- Analytical data in pCi/g.
- Field duplicate data not shown.

Figure 5.5.6-95

SWMU 6
CONCEPTUAL CROSS SECTION
U-238 DIAGRAM
Rhodia Silver Bow Plant
Montana

P:\Mpls\26 MT\46\264606\WorkFiles\Figures_Graphics\2012Cross Sections\SWMU 6 Conceptual Cross Section U238 Diagram.CDR RLG 12-28-12

Appendices

Appendix 5.5.6-A

Test Pit Logs

PROJECT NO. 26/46-0006.13

TEST PIT NO. RM-1-2 SHEET 1 OF 1

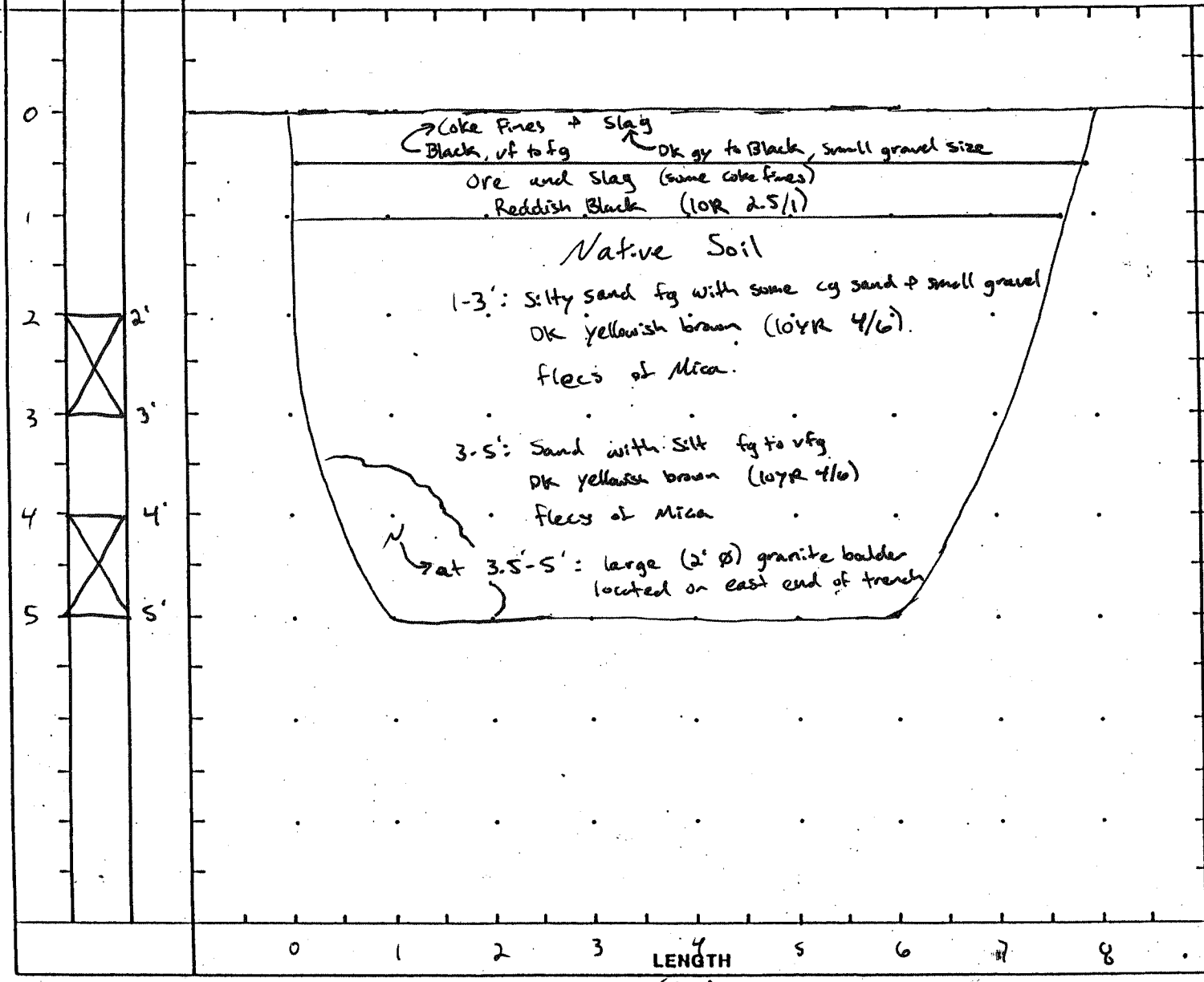
TEST PIT WALL LOG

PROJECT Rhodia RFI LOCATION SWMU-6 Raw Materials Area MAP OF 5 WALL OF PIT

ELEVATION N/A CONTRACTOR MT Reclamation & Landscaping DATE EXCAVATED 5/13/09

WATER LEVEL AND DATE N/A - Dry EXCAVATION METHOD Rubber Tire Backhoe LOGGER SKW

APPROXIMATE DIMENSIONS LENGTH 8' WIDTH 2.5' DEPTH 5' REMARKS



COMMENTS

Sample collected at 14:30
RM-1-2 (2-3)
for XRF, SVOC, & Radionuclides

Sample collected at 14:45
RM-1-2 (4-5)
for XRF, SVOCs, & Radionuclides

PROJECT NO. 26/46-0006.13

TEST PIT NO. RM-2-7 SHEET 1 OF 1

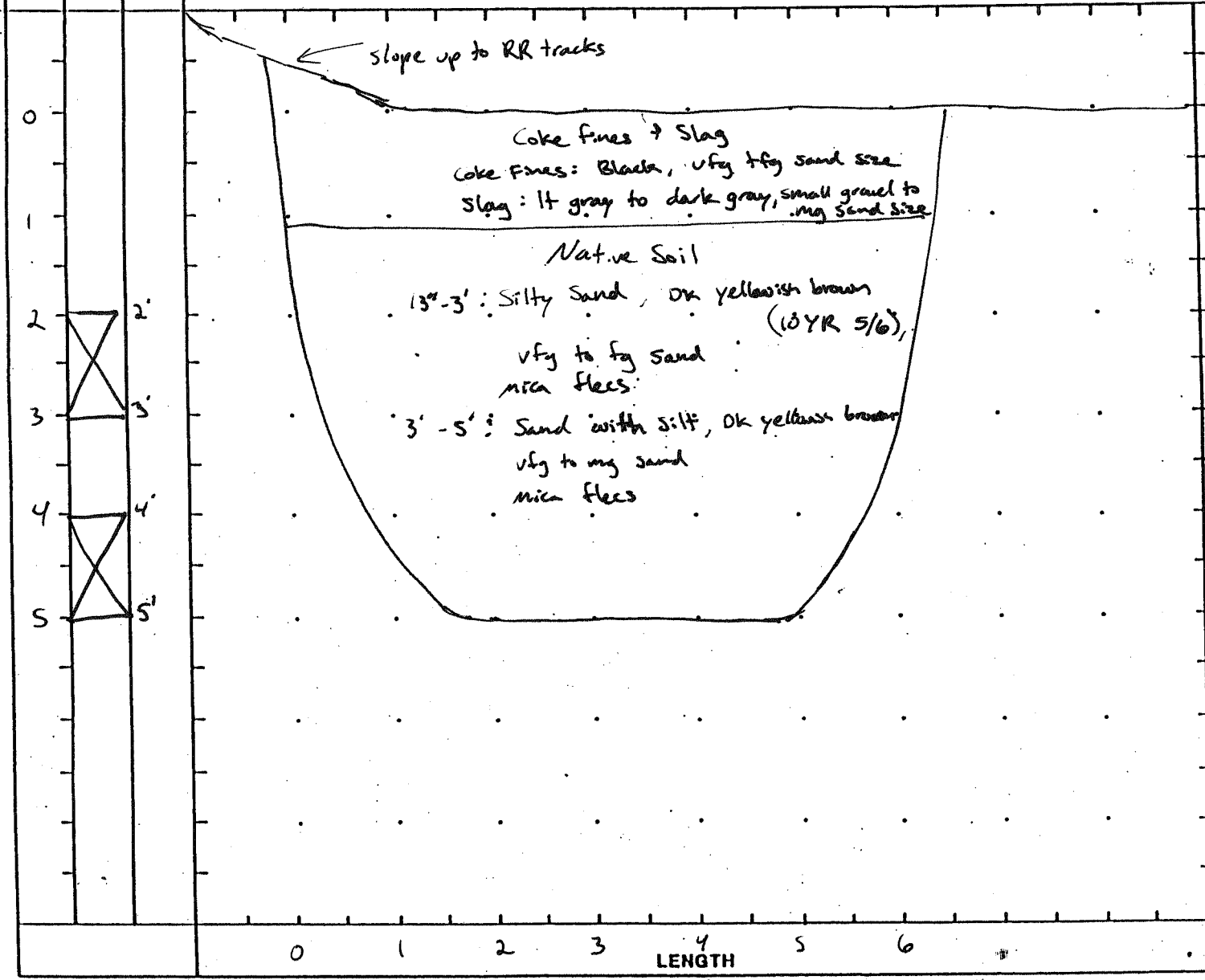
TEST PIT WALL LOG

PROJECT Rhodia RFT LOCATION SWMU-6 Raw Materials Area MAP OF S WALL OF PIT

ELEVATION N/A CONTRACTOR MT Reclamation & Landscaping DATE EXCAVATED 5/13/09

WATER LEVEL AND DATE N/A - Dry EXCAVATION METHOD Rubber Tire Backhoe LOGGER SKN

APPROXIMATE DIMENSIONS LENGTH 6.5' WIDTH 2.5' DEPTH 5' REMARKS



COMMENTS

Sample collected at 15:40
RM-2-7 (2-3)
for XRF, SVOCs, & Radionuclides

Sample collected at 15:50
RM-2-7 (4-5)
for XRF, SVOCs, & Radionuclides

PROJECT NO. 26/46-0006.13

TEST PIT NO. RM-3-3 SHEET 1 OF 1

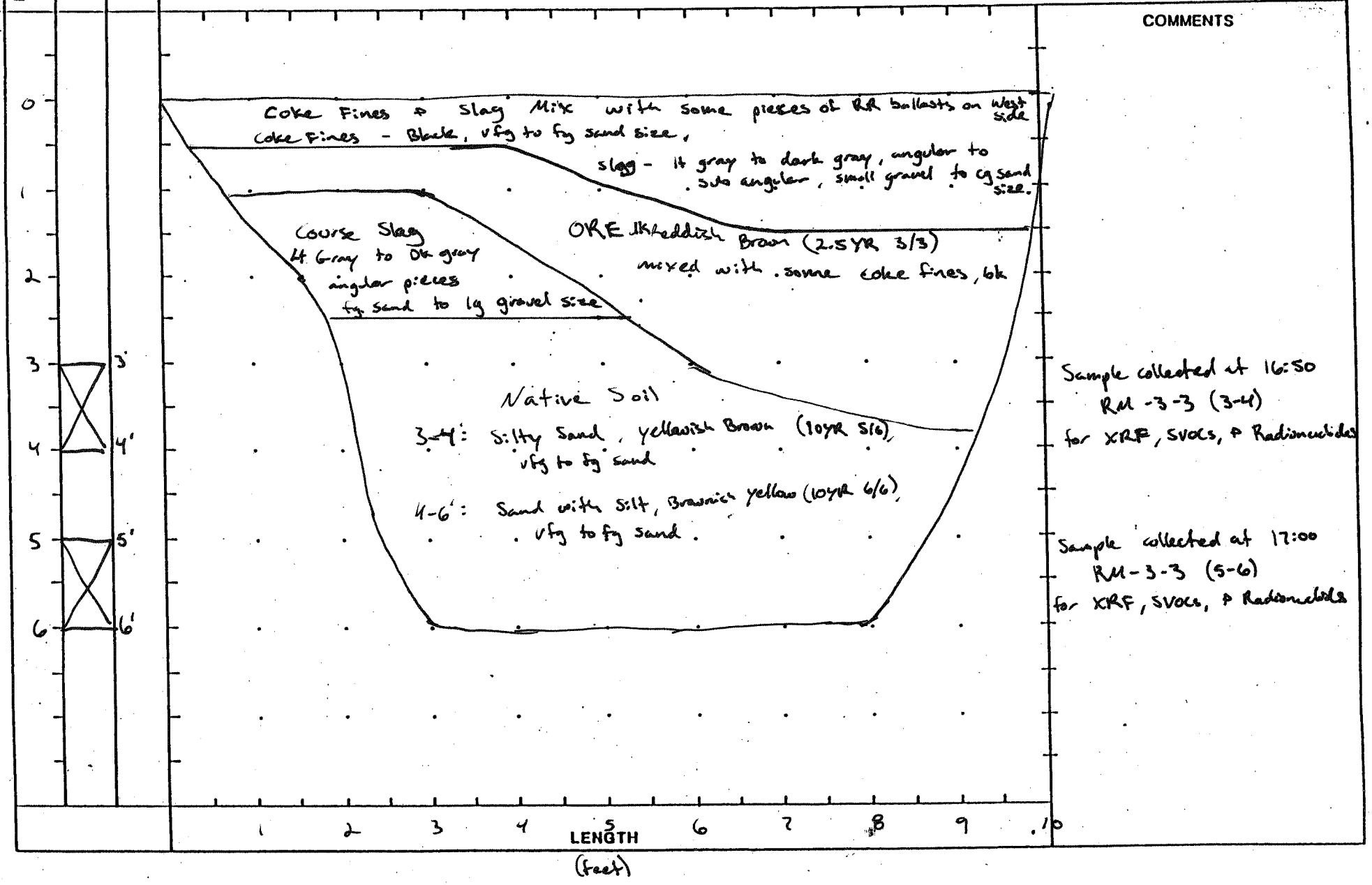
TEST PIT WALL LOG

PROJECT Rhodia RFI LOCATION SWMU-6 Raw Materials Area MAP OF S WALL OF PIT

ELEVATION N/A CONTRACTOR MT Reclamation & Landscaping DATE EXCAVATED 5/13/09

WATER LEVEL AND DATE N/A - Dry EXCAVATION METHOD Rubber Tire Backhoe LOGGER SKW

APPROXIMATE DIMENSIONS LENGTH 10' WIDTH 2.5' DEPTH 6' REMARKS



PROJECT NO. 26146-0006

TEST PIT NO. RM-3-7 SHEET 1 OF 1

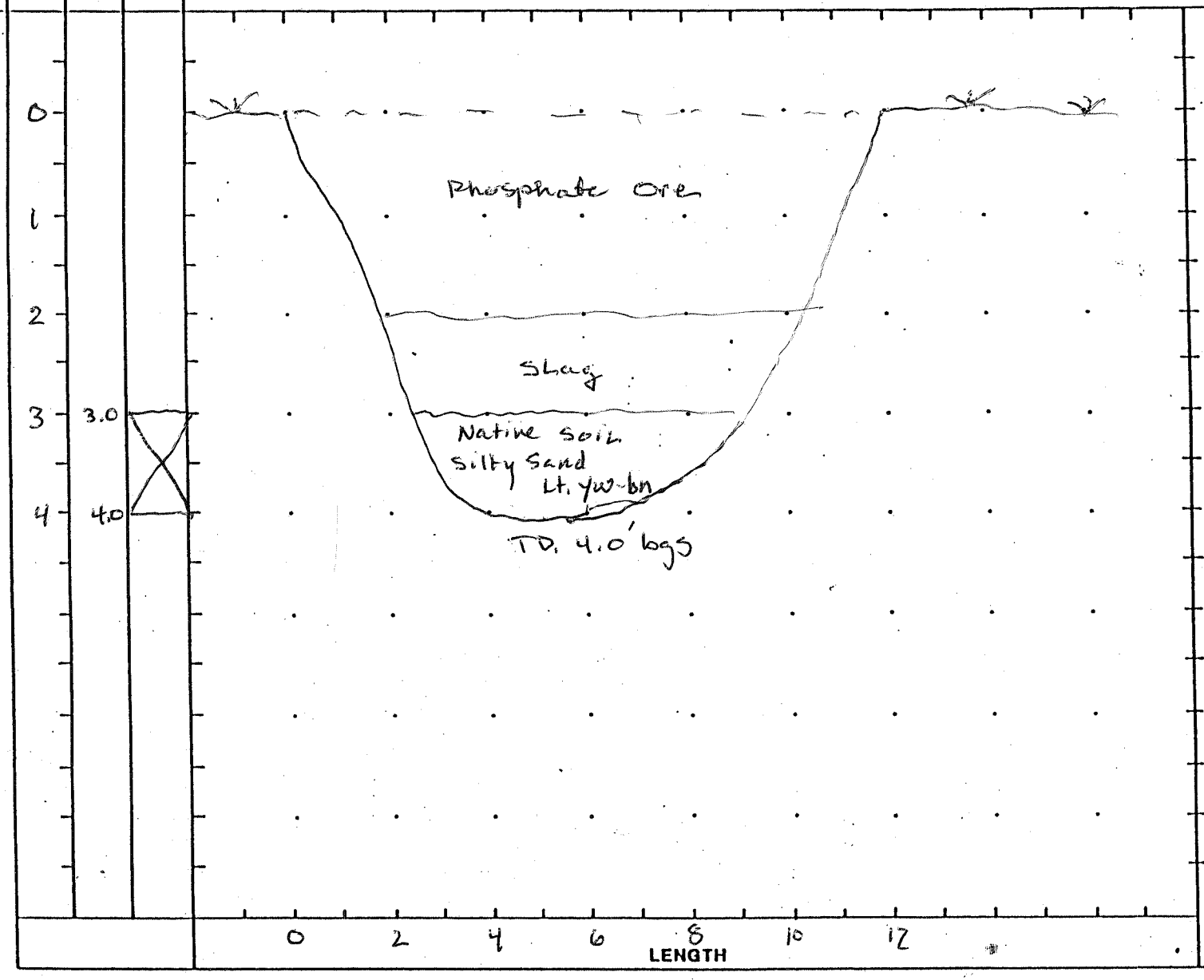
TEST PIT WALL LOG

PROJECT Rhodia RFI LOCATION Raw materials area MAP OF N WALL OF PIT

ELEVATION NA. CONTRACTOR Mt. Reclamation & Landscaping DATE EXCAVATED 6/2/09

WATER LEVEL AND DATE NA EXCAVATION METHOD Rubber tire Backhoe LOGGER KAM

APPROXIMATE DIMENSIONS LENGTH 12' WIDTH 2' DEPTH 4' REMARKS



COMMENTS

Sample collected
RM-3-7 3-4' @10:20
- metals
- Radionuclides
- XRF field analysis

PROJECT NO. 26146-0006

TEST PIT NO. RM-3-8 SHEET 1 OF 1

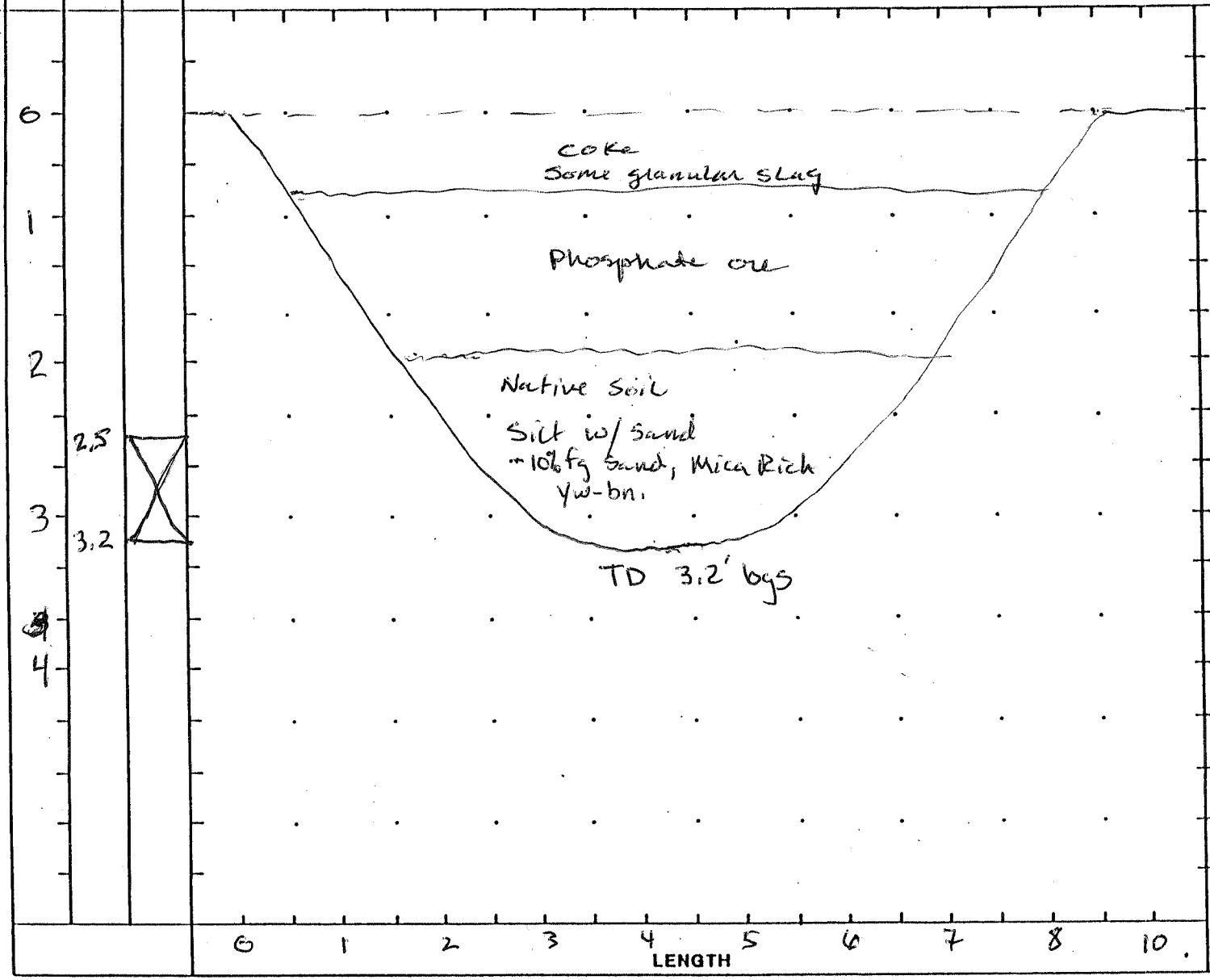
TEST PIT WALL LOG

PROJECT Rhodia RFF LOCATION Raw Materials Area MAP OF N WALL OF PIT

ELEVATION NA CONTRACTOR MT. Reclamation & Landscapin DATE EXCAVATED 6/2/04

WATER LEVEL AND DATE NA EXCAVATION METHOD Rubber Tire Backhoe LOGGER KAM

APPROXIMATE DIMENSIONS LENGTH 10' WIDTH 2' DEPTH 3.2' REMARKS



PROJECT NO. 26/46-0006-13

TEST PIT NO. RM-4-1 SHEET 1 OF 1

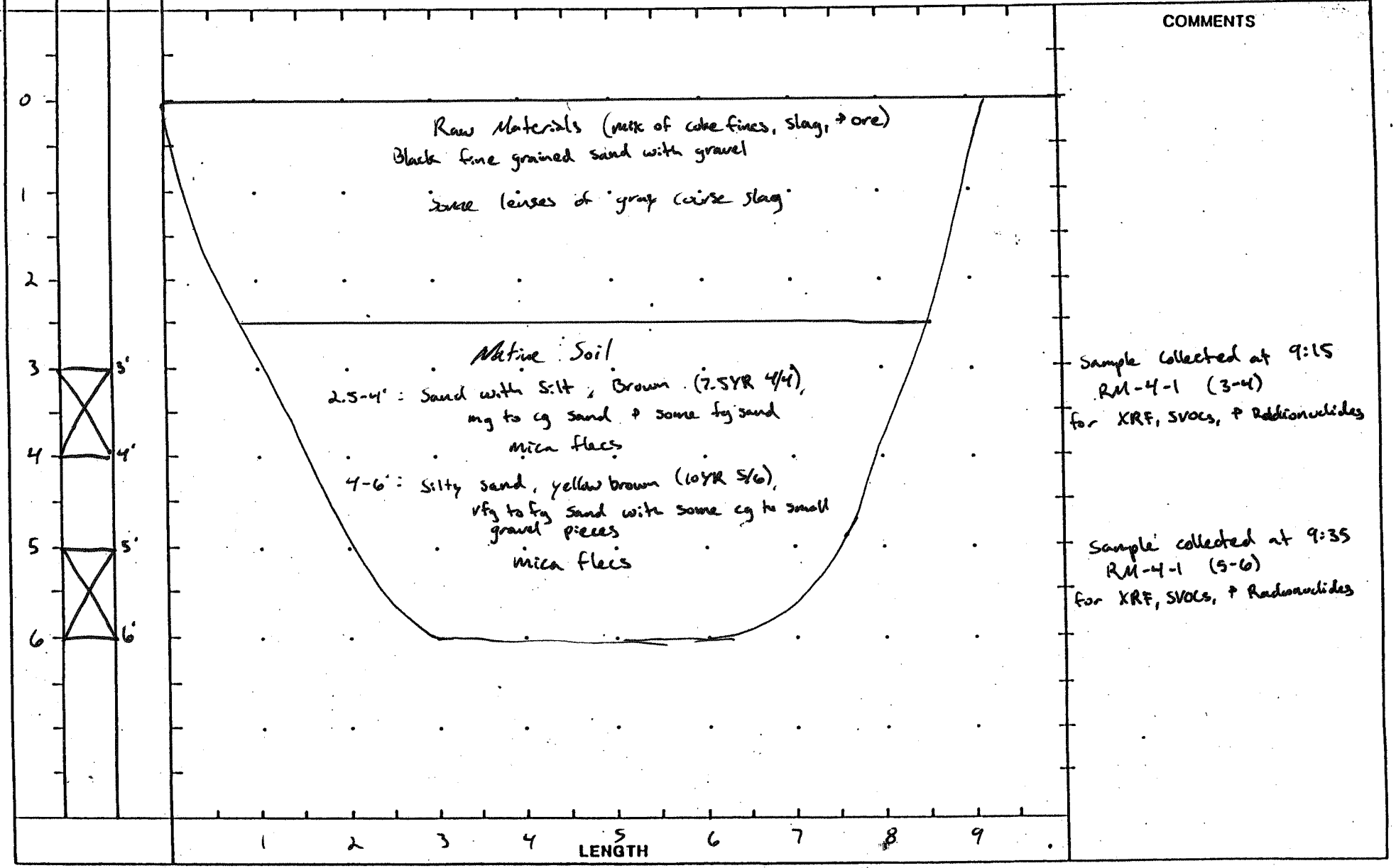
TEST PIT WALL LOG

PROJECT Rhodia RFI LOCATION SWMU-6 Raw Materials Area MAP OF S WALL OF PIT

ELEVATION N/A CONTRACTOR MT Reclamation + Landscaping DATE EXCAVATED 5/14/09

WATER LEVEL AND DATE N/A - Dry EXCAVATION METHOD Rubber Tire Backhoe LOGGER SKN

APPROXIMATE DIMENSIONS LENGTH 9' WIDTH 2.5' DEPTH 6' REMARKS



PROJECT NO. 26146-0006

TEST PIT NO. RM-4-7 SHEET 1 OF 1

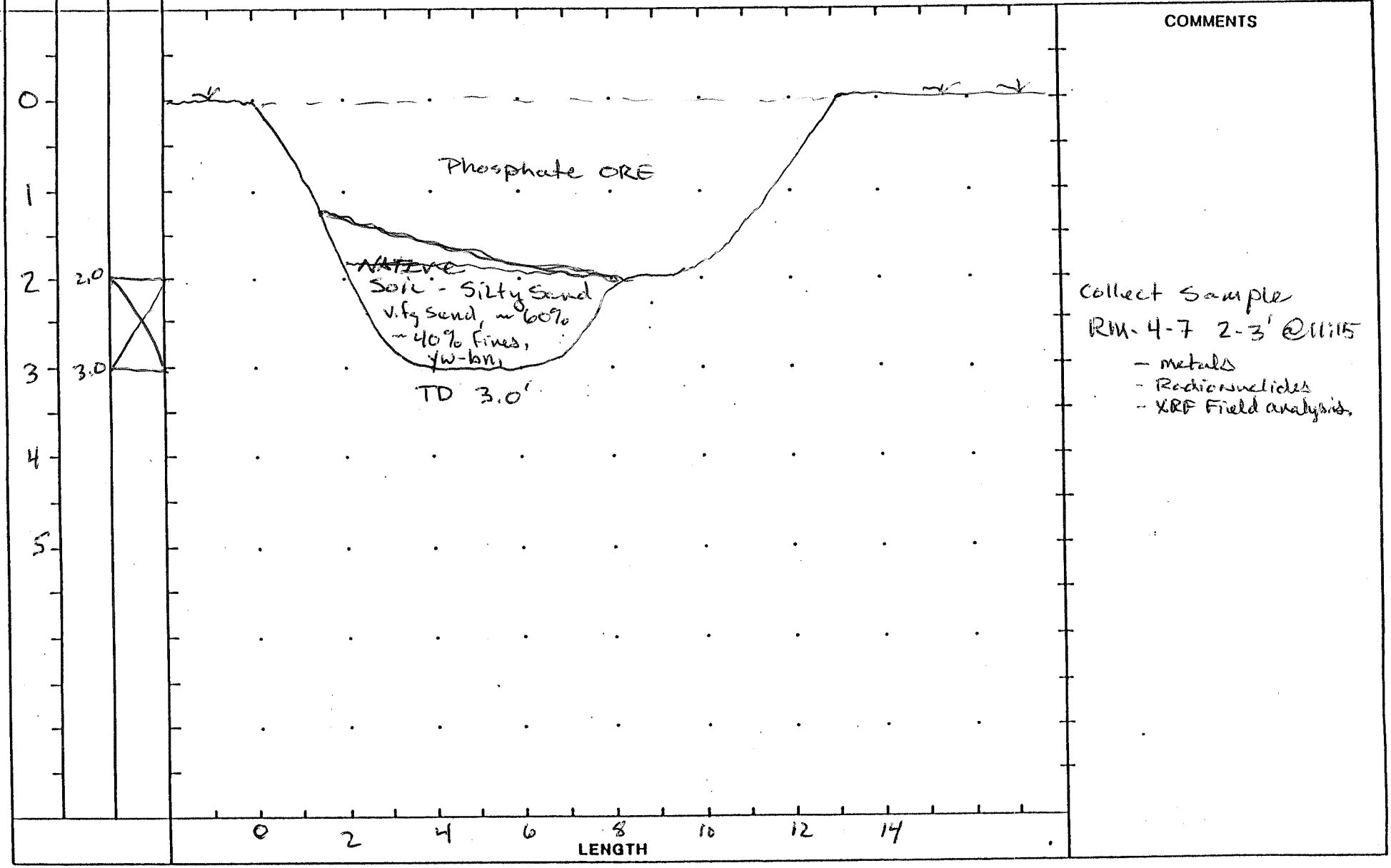
TEST PIT WALL LOG

PROJECT Rhodia RFI LOCATION Raw Materials area MAP OF N WALL OF PIT

ELEVATION NA CONTRACTOR MT Reclamation & Landscaping DATE EXCAVATED 6/2/09

WATER LEVEL AND DATE NA EXCAVATION METHOD Rubber Tire Backhoe LOGGER KAM

APPROXIMATE DIMENSIONS LENGTH 12.5' WIDTH 2' DEPTH 3' REMARKS



PROJECT NO. 26/46-0006.13 | TEST PIT NO. RM-5-2 | SHEET | OF |

TEST PIT WALL LOG

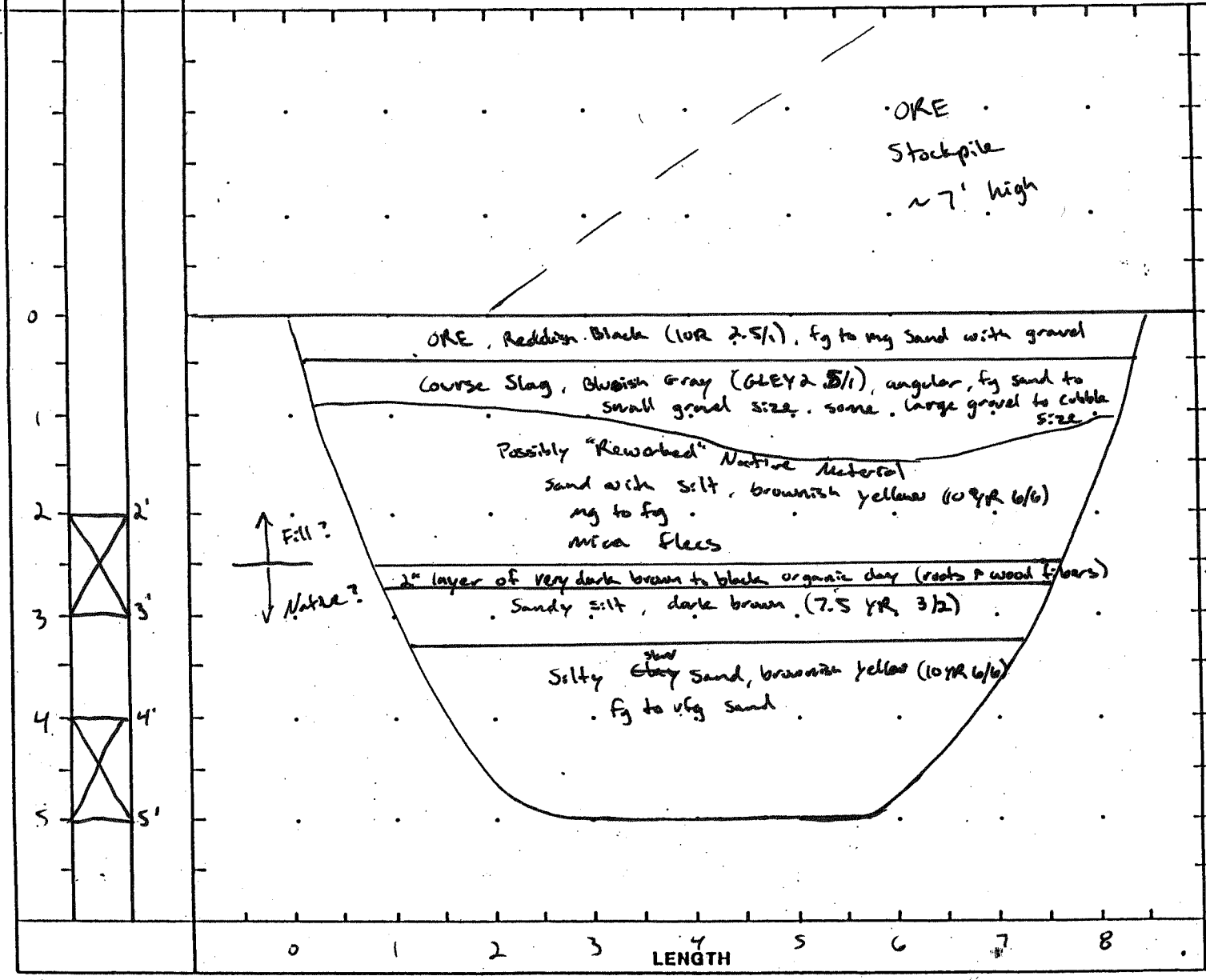
PROJECT Rhodia RFI | LOCATION SWMU-6 Raw Materials Area | MAP OF 5 WALL OF PIT

ELEVATION N/A | CONTRACTOR MT Reclamation & Landscaping | DATE EXCAVATED 5/14/09

WATER LEVEL AND DATE N/A - Dry | EXCAVATION METHOD | LOGGER SKN

APPROXIMATE DIMENSIONS LENGTH 8' WIDTH 4' DEPTH 5' | REMARKS

ELEVATION | DEPTH BELOW SURFACE (ft) | SAMPLE: INTERVAL, TYPE AND NUMBER



COMMENTS

Moved Test Pit ~~5'~~ ~5' to 10' to NE of original location (to edge of ORE stockpile)

Sample collected at 11:30 RM-5-2 (2-3) for XRF, SVOCs, & Radionuclides

Sample collected at 11:45 RM-5-2 (4-5) for XRF, SVOCs, & Radionuclides

PROJECT NO. 26/146-006

TEST PIT NO. RM-6-1 SHEET 1 OF 1

TEST PIT WALL LOG

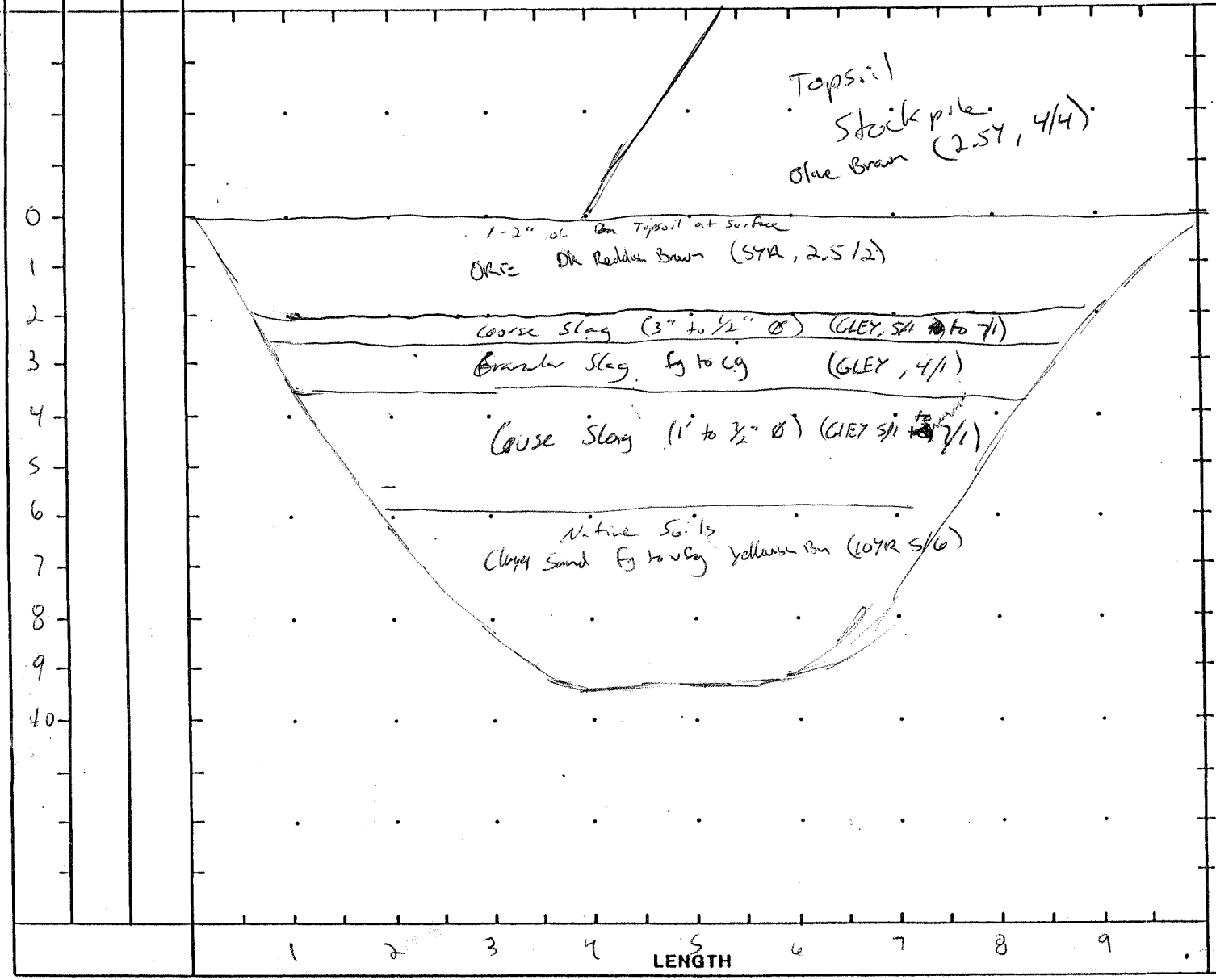
PROJECT Rhodia LOCATION RM-6-1 / SWMU-6 MAP OF N WALL OF PIT

ELEVATION _____ CONTRACTOR Gary Winer DATE EXCAVATED 5/14/09

WATER LEVEL AND DATE _____ EXCAVATION METHOD _____ LOGGER SKN

APPROXIMATE DIMENSIONS LENGTH _____ WIDTH _____ DEPTH _____ REMARKS _____

ELEVATION | DEPTH BELOW SURFACE (ft) | SAMPLE: INTERVAL | SAMPLE: TYPE AND NUMBER



COMMENTS

Collected Sample at 6.5' to 7.5' + 8.5' to 9.5'

PROJECT NO. 26/46-006 | TEST PIT NO. RM-7-2 | SHEET 1 OF 1

TEST PIT WALL LOG

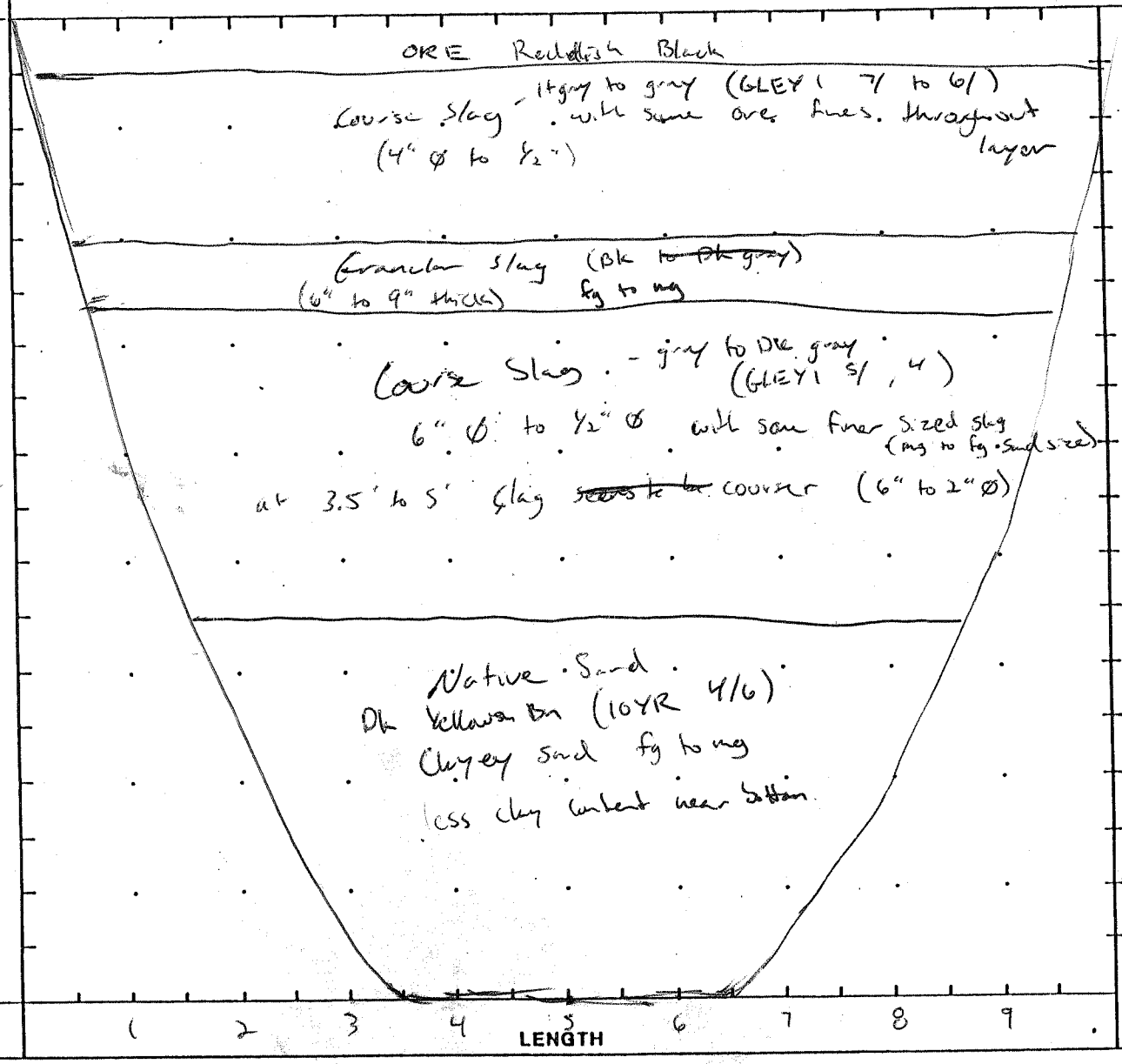
PROJECT Rhodia | LOCATION RM-7-2 SWMU-6 | MAP OF N WALL OF PIT

ELEVATION | CONTRACTOR Gary Warner | DATE EXCAVATED 5/14/09

WATER LEVEL AND DATE | EXCAVATION METHOD Backhoe | LOGGER SKN

APPROXIMATE DIMENSIONS LENGTH 10' WIDTH 5' DEPTH 9' | REMARKS

ELEVATION	DEPTH BELOW SURFACE (')	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER
	0		
	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		



COMMENTS

Collected Samples at 6'-7' & 8'-9'

PROJECT NO.

TEST PIT NO. RM-8-3 SHEET OF

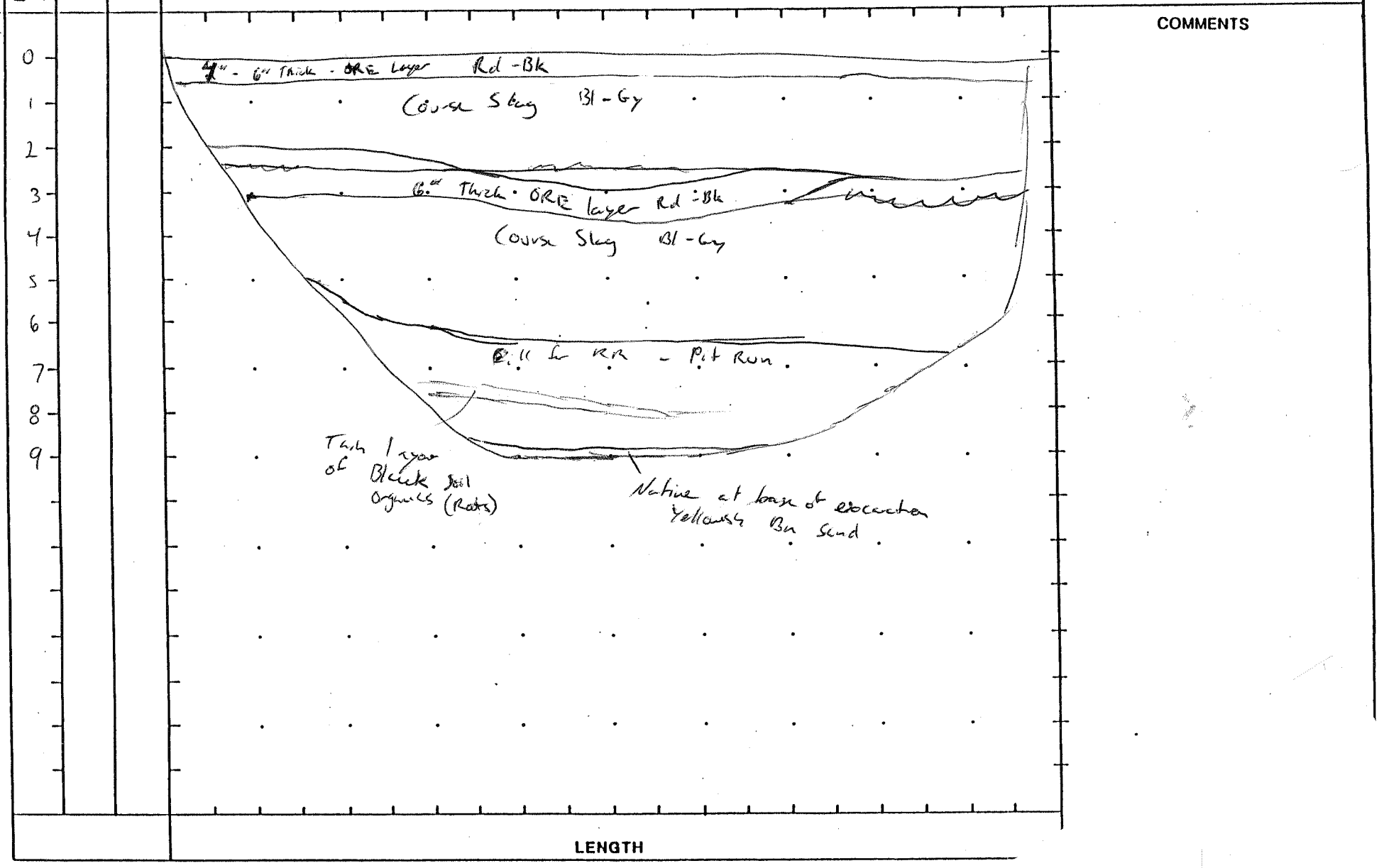
TEST PIT WALL LOG

PROJECT _____ LOCATION _____ MAP OF _____ WALL OF PIT

ELEVATION _____ CONTRACTOR _____ DATE EXCAVATED _____

WATER LEVEL AND DATE _____ EXCAVATION METHOD _____ LOGGER _____

APPROXIMATE DIMENSIONS LENGTH 12' WIDTH 5' DEPTH _____ REMARKS _____



PROJECT NO. 26/46-0006.13 | TEST PIT NO. RM-8-7 | SHEET 1 OF 1

TEST PIT WALL LOG

PROJECT 26/46-0006.13 Rhodes | LOCATION RM-8-7 / SWMU-6 | MAP OF W WALL OF PIT

ELEVATION | CONTRACTOR Gary Warner | DATE EXCAVATED 5/15/09

WATER LEVEL AND DATE | EXCAVATION METHOD Backhoe | LOGGER SKW

APPROXIMATE DIMENSIONS LENGTH 13' WIDTH 5' DEPTH 8' | REMARKS

ELEVATION	DEPTH BELOW SURFACE ( )	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	
	0			0-3" Bentonite clay Mix
	0.5			3"-9" - Ore 2.5YR 2.5/1 Reddish Black,
	1			9"-12" Granulated Slag (fg-mg) fine to medium grain Grey/ 2.5/ Black
	2			1'-4'3" Coarse Slag. Angular - ½" to 6" Angular Slag w/ fines Bluish Grey to light Grey
				4'3"-4'6" fine Slag (very fine) - Dusky Black.
	3			4'6-6'9" Fill - (fine to medium) SAND, Silt, Some medium to coarse SAND, Some clayey Silt, Cobble - coarse Gravel granite rounded to sub rounded (SM) Strong Brown 7.5 YR (4/6)
	4			6'9"-7' Very Dark Brown 7.5YR (2.5/3) - Very fine SAND (SM) some silt some organics "rootsfibers"
	5			7' to 8' fine to med SAND Brown 7.5YR (4/3)(SP) some silt & clay little COARSE SAND to fine gravel.
	6			
	7			
	8			

LENGTH

COMMENTS

Samples

5 to 8 interval

7 to 8 interval

length of Pit 13'