

**Data Summary Report
IHSS Group 400-3**

December 2003

**Data Summary Report
IHSS Group 400-3**

Approval received from the Colorado Department of Public Health and Environment

December 18, 2003

Approval letter contained in the Administrative Record.

December 2003

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ACRONYMS

AL	action level
AR	Administrative Record
ASD	Analytical Services Division
CAS	Chemical Abstract Service
CD	compact disk
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminant of concern
CRA	Comprehensive Risk Assessment
DOE	U.S. Department of Energy
DQA	Data Quality Assessment
DQO	data quality objective
EPA	U.S. Environmental Protection Agency
ER	Environmental Restoration
ER RSOP	Envionmental Restoration RSOP for Routine Soil Remediation
FY	Fiscal Year
HRR	Historical Release Report
IA	Industrial Area
IASAP	Industrial Area Sampling and Analysis Plan
IHSS	Individual Hazardous Substance Site
IMP	Integrated Monitoring Program
K-H	Kaiser-Hill Company, L.L.C.
LCS	laboratory control sample
MDL	Method Detection Limit
ug/kg	micrograms per kilogram
ug/L	micrograms per liter
mg/cm ²	milligrams per square centimeter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MS	matrix spike
MSD	matrix spike duplicate
N/A	not applicable
NFAA	No Further Accelerated Action
OPWL	Original Process Waste Lines
PAC	Potential Area of Concern
PARCCS	precision, accuracy, representativeness, completeness, comparability, and sensitivity
PCB	polychlorinated biphenyl
pCi/g	picocuries per gram
pCi/L	picocuries per liter
PCOC	potential contaminant of concern
POE	Point of Evaluation
PPM	parts per million

QC	Quality Control
RFCA	Rocky Flats Cleanup Agreement
RFETS or Site	Rocky Flats Environmental Technology Site
RIN	report identification number
RL	Reportable Limit
RPD	relative percent difference
RSOP	RFCA Standard Operating Protocol
SAP	Sampling and Analysis Plan
SOR	sum of ratios
SSRS	Subsurface Soil Risk Screen
SWD	Soil Water Database
UBC	Under Building Contamination
UCL	upper confidence limit
V&V	verification and validation
VOC	volatile organic compound
WRW	wildlife refuge worker
XRF	x-ray fluorescence

1.0 INTRODUCTION

This Data Summary Report summarizes characterization data collection activities conducted at Individual Hazardous Substance Site (IHSS) Group 400-3 at the Rocky Flats Environmental Technology Site (RFETS or Site) in Golden, Colorado. These activities were planned and executed in accordance with the Industrial Area (IA) Sampling and Analysis Plan (SAP) (IASAP) (DOE 2001), IASAP Addendum #IA-03-06 (DOE 2003a), and the Environmental Restoration (ER) Rocky Flats Cleanup Agreement (RFCA) Standard Operating Protocol (RSOP) for Routine Soil Remediation (ER RSOP) (DOE 2002a).

IHSS Group 400-3 consists of the IHSSs, Potential Areas of Concern (PACs), and Under Building Contamination (UBC) Sites listed in Table 1.

Table 1
IHSS Group 400-3 Sites

IHSS Group	IHSS/PAC/UBC Site
400-3	UBC 444 – Building 444 Fabrication Facility
	UBC 447 – Building 447 Fabrication Facility
	400-116.1 – West Loading Dock-Building 447
	400-116.2 – South Loading Dock-Building 444
	400-136.1 – Cooling Tower Pond West of Building 444
	400-136.2 – Cooling Tower Pond East of Building 444
	400-182 – Building 444/453 Drum Storage Area
	400-207 – Inactive 444 Acid Dumpster
	400-208 – Inactive 444/447 Waste Storage Area
	400-801 – Transformer, Roof of Building 447
	400-810 – Beryllium Fire-Building 444
	000-121 – Known OPWL Leaks
	000-121 – Tank 4-OPWL Process Waste Pits (B447)
	000-121 – Tank 5-OPWL Process Waste Tanks (B444)
	000-121 – Tank 6-Process Waste Floor Sump and Foundation Drain Floor (B444)

The location of IHSS Group 400-3 is shown on Figure 1, and the specific IHSSs, PACs, and UBC Sites are shown on Figure 2.

Approval of this Data Summary Report constitutes regulatory agency concurrence of IHSS Group 400-3 as a No Further Accelerated Action (NFAA) Site. This information and NFAA determination will be documented in the Fiscal Year (FY) 2004 Historical Release Report (HRR).

2.0 SITE CHARACTERIZATION

IHSS Group 400-3 information consists of historical knowledge (DOE 1992-2003), previously collected analytical data (DOE 2000), and recently collected data (DOE 2003a). IHSS Group 400-3 analytical data are presented in the following sections.

The locations of samples and analytical results greater than background means plus two standard deviations or detection limits, including Action Level (AL) exceedances, are shown on Figures 3, 4, 5, 6, 7, and 8. Figure 3 contains data from the first interval beneath Building 444, and Figure 4 presents data from deeper intervals beneath Building 444. Figures 5 and 6, respectively, present the surface and subsurface data from UBC 447; IHSSs 116.1, 136.1, 182, and 208; and PAC 400-801. Figures 7 and 8, respectively, present the surface and subsurface data from IHSSs 116.2, 136.2, and 207; and PAC 400-810.

Characterization sampling locations and deviations from the planned sampling locations, as described in IASAP Addendum #IA-03-06 (DOE 2003a), are presented in Table 2. Analytical results greater than background means plus two standard deviations or detection limits are presented in Table 3. AL exceedances are listed in Table 4, and radionuclide sums of ratios (SORs) are listed in Table 5. All analytical data are summarized, by analyte, in Tables 6 and 7. The results of lead analysis for sampling locations BY37-003 and BY37-027 are presented in Table 8. All project real and quality control (QC) data are included on the enclosed compact disc (CD).

Figure 1
IHSS Group 400-3
Location Map

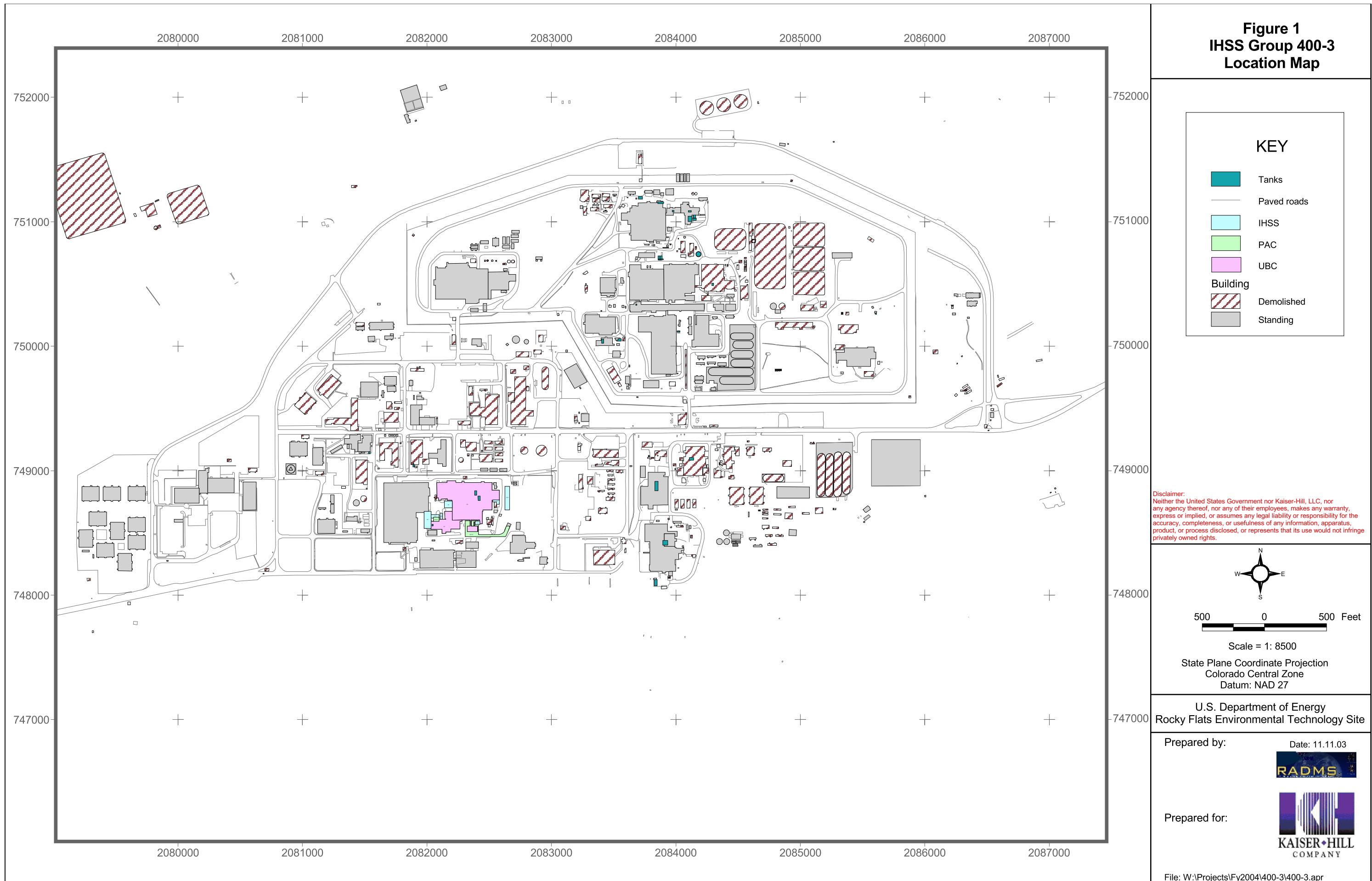


Figure 2
IHSS Group 400-3
Specific IHSSs, UBCs,
and PACs

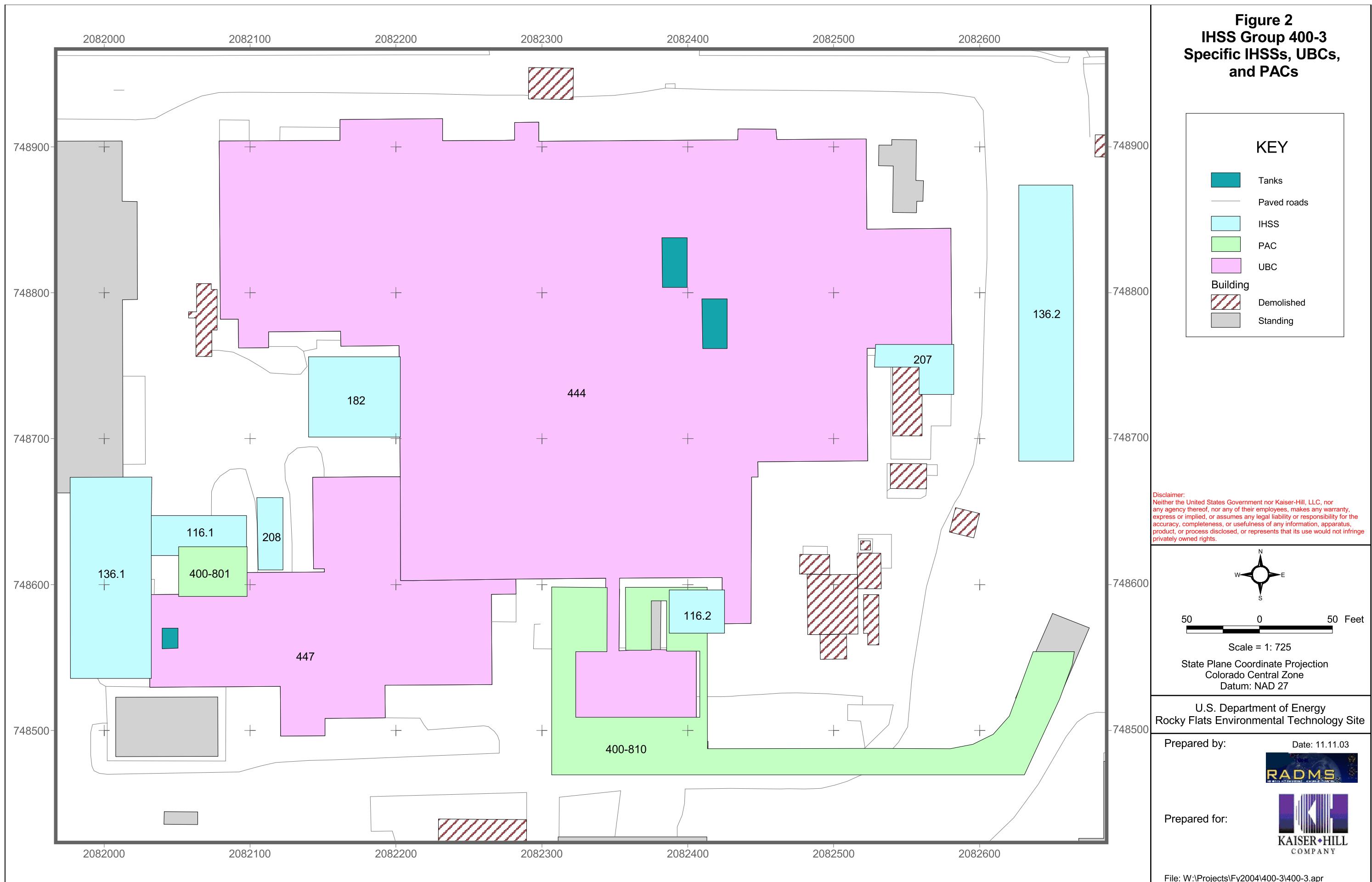
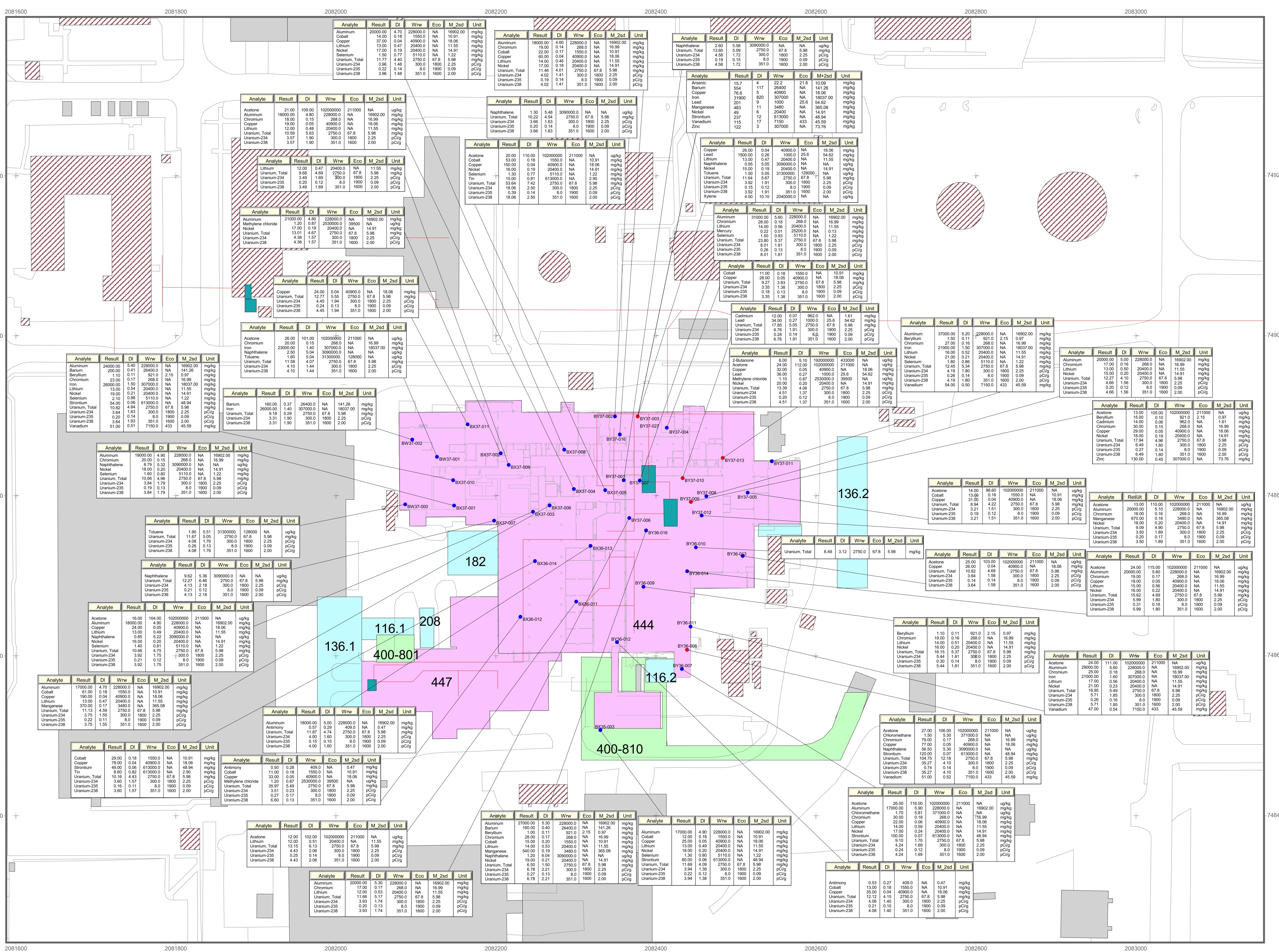
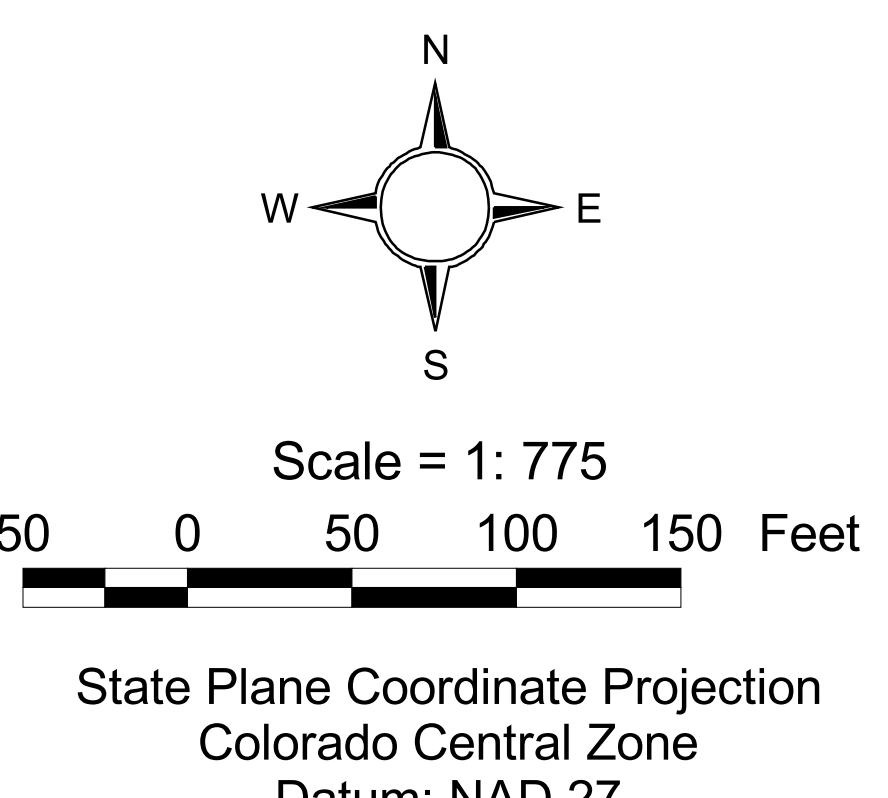


Figure 3
UBC 444 Surface Soil Results
Greater than Background Means
Plus Two Standard Deviations
or Detection Limits

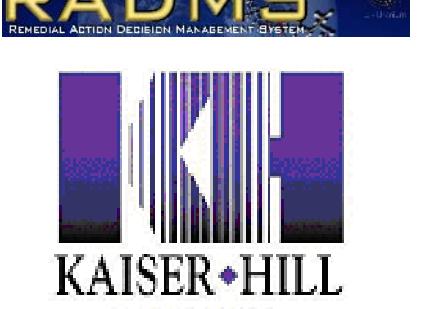


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U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: Date: 11.04.03



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KEY

- Action Level Exceedance
- Below Action Level
- Tanks
- Paved roads
- IHSS
- PAC
- UBC
- Building
- Demolished
- Standing
- OPWL
- Foundation Drain

Figure 4

UBC 444 Subsurface Soil Results
Greater than Background Means
Plus Two Standard Deviations
or Detection Limits

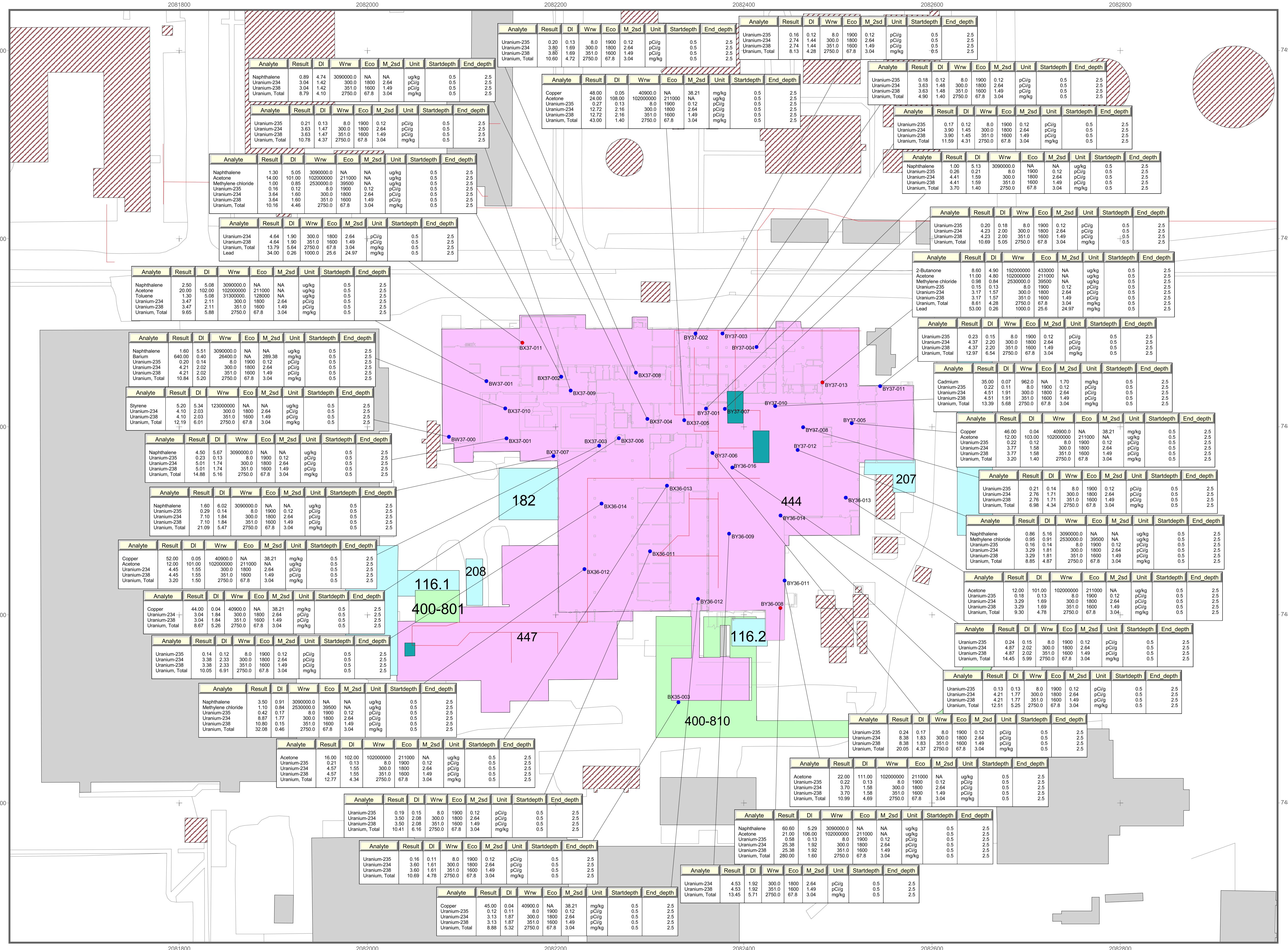
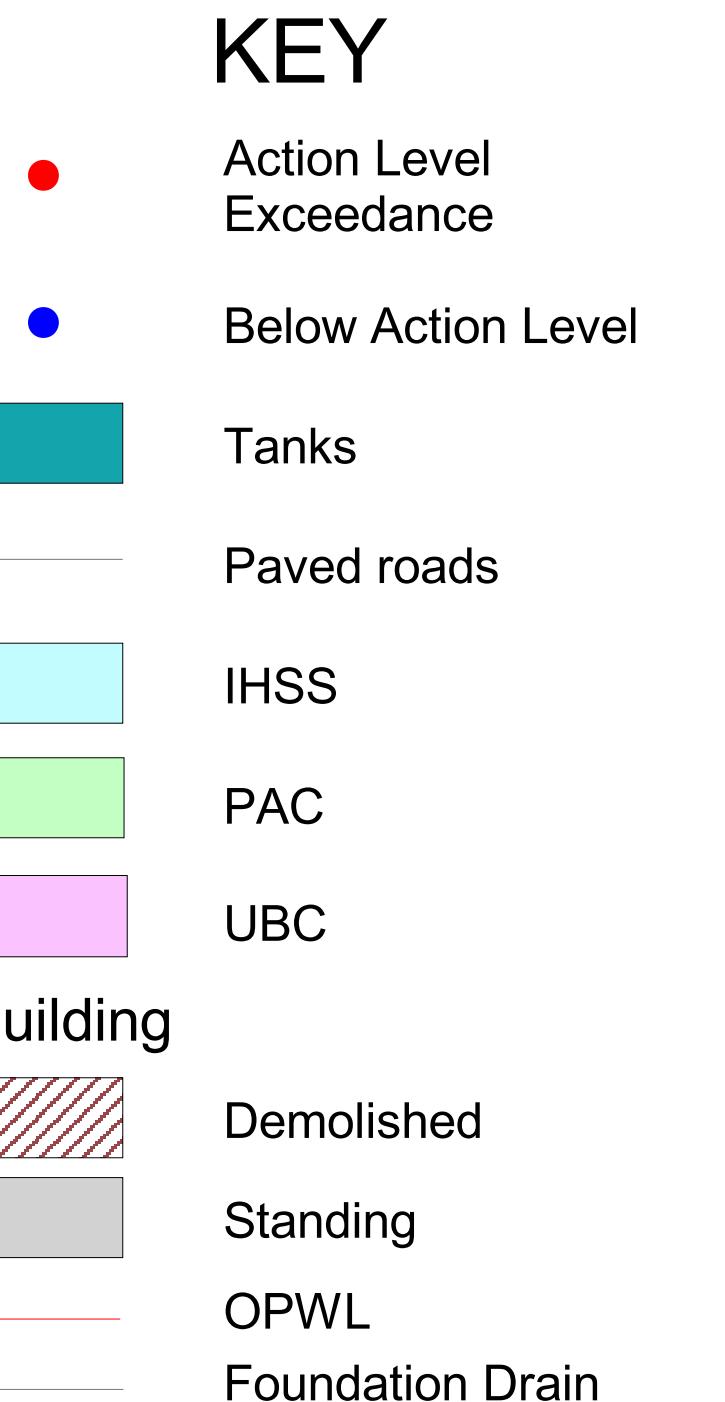
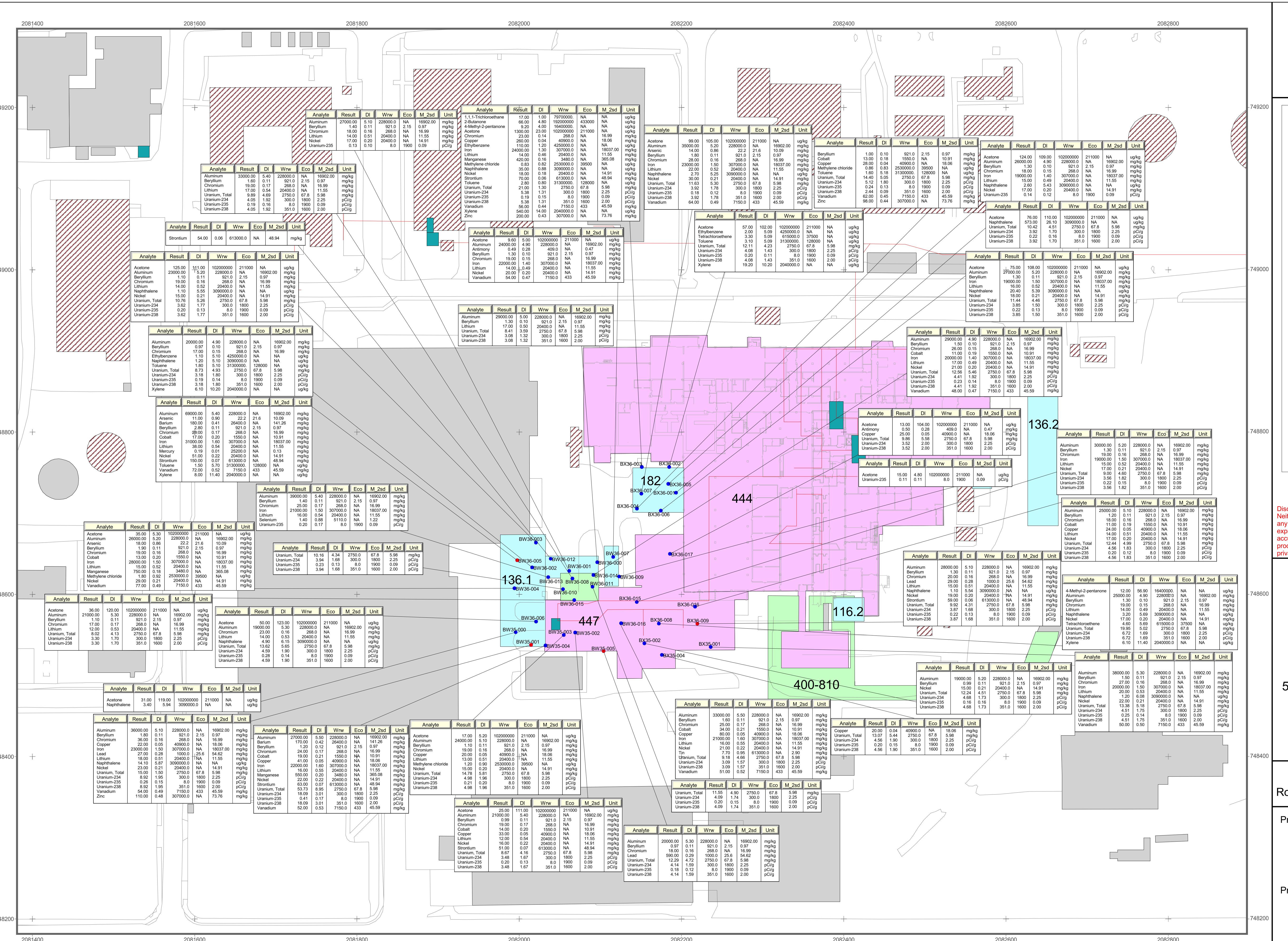
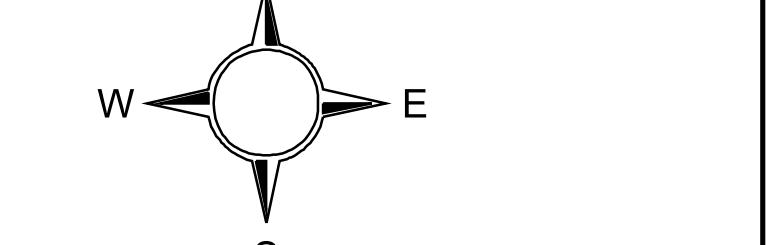


Figure 5
UBC 447, IHSSs 116.1, 136.1,
182, 208, and PAC 400-801
Surface Soil Results
Greater than Background Means
Plus Two Standard Deviations
or Detection Limits



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Scale = 1: 675

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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Rocky Flats Environmental Technology Site

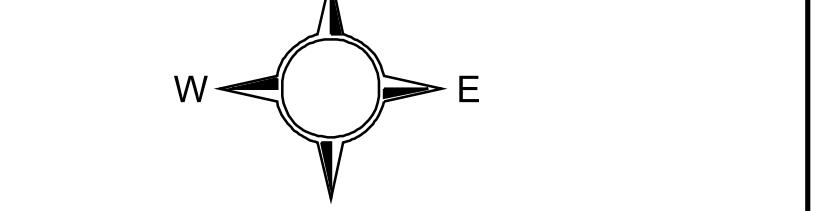
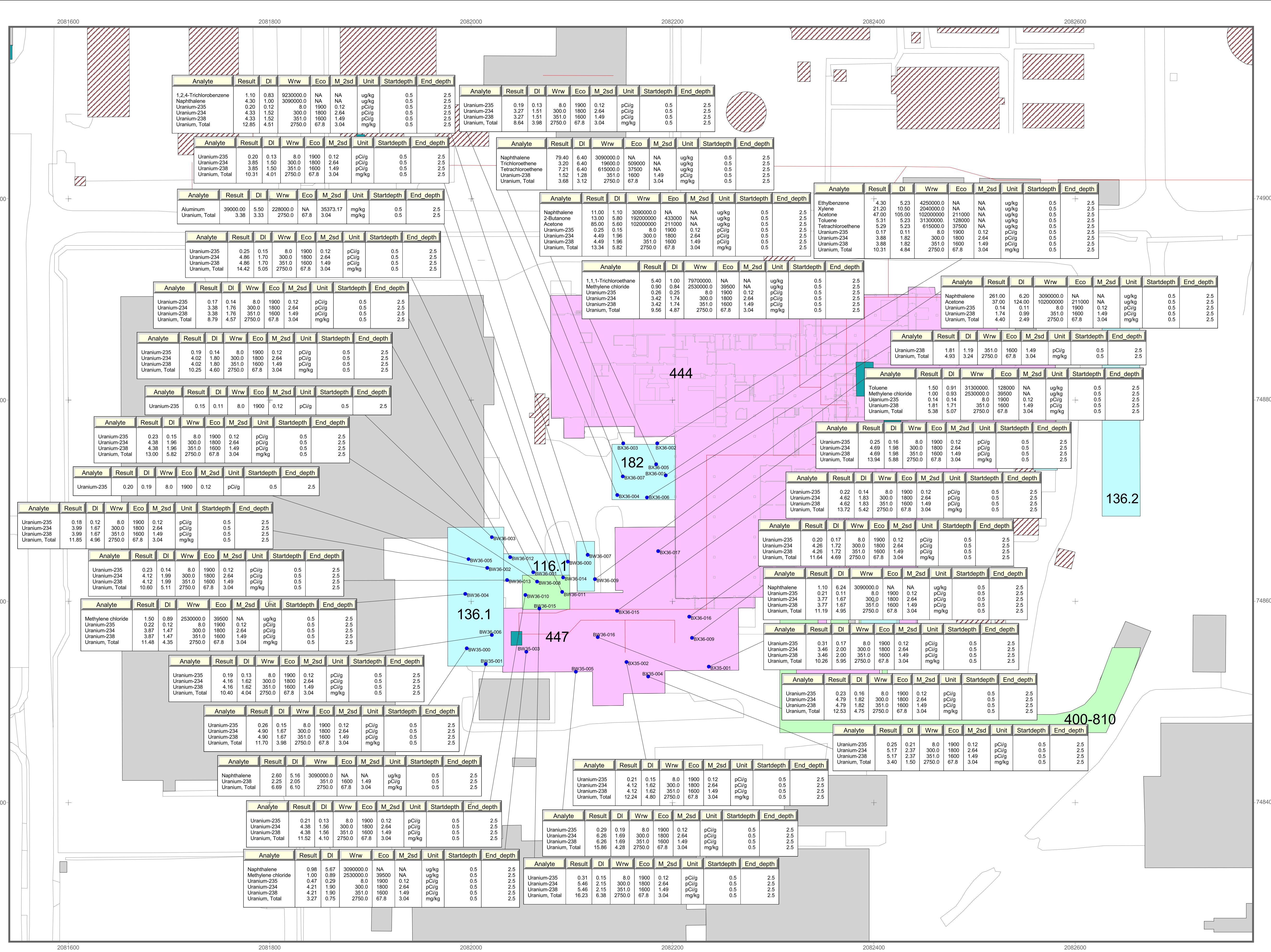
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Figure 6
UBC 447, IHSSs 116.1, 136.1,
182, 208 and PAC 400-801
Subsurface Soil Results
Greater than Background Means
Plus Two Standard Deviations
or Detection Limits



Scale = 1: 550
50 0 50 100 Feet

State Plane Coordinate Projection
Colorado Central Zone
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Figure 7

IHSSs 116.2, 136.2, 207,

and PAC 400-810

Surface Soil Results

Greater than Background Means
Plus Two Standard Deviations
or Detection Limits

KEY

Action Level
Exceedance

Below Action Level



Paved roads



PAC



Building

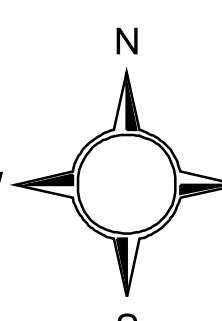


Standing



Foundation Drain

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Scale = 1: 575

50 0 50 100 Feet

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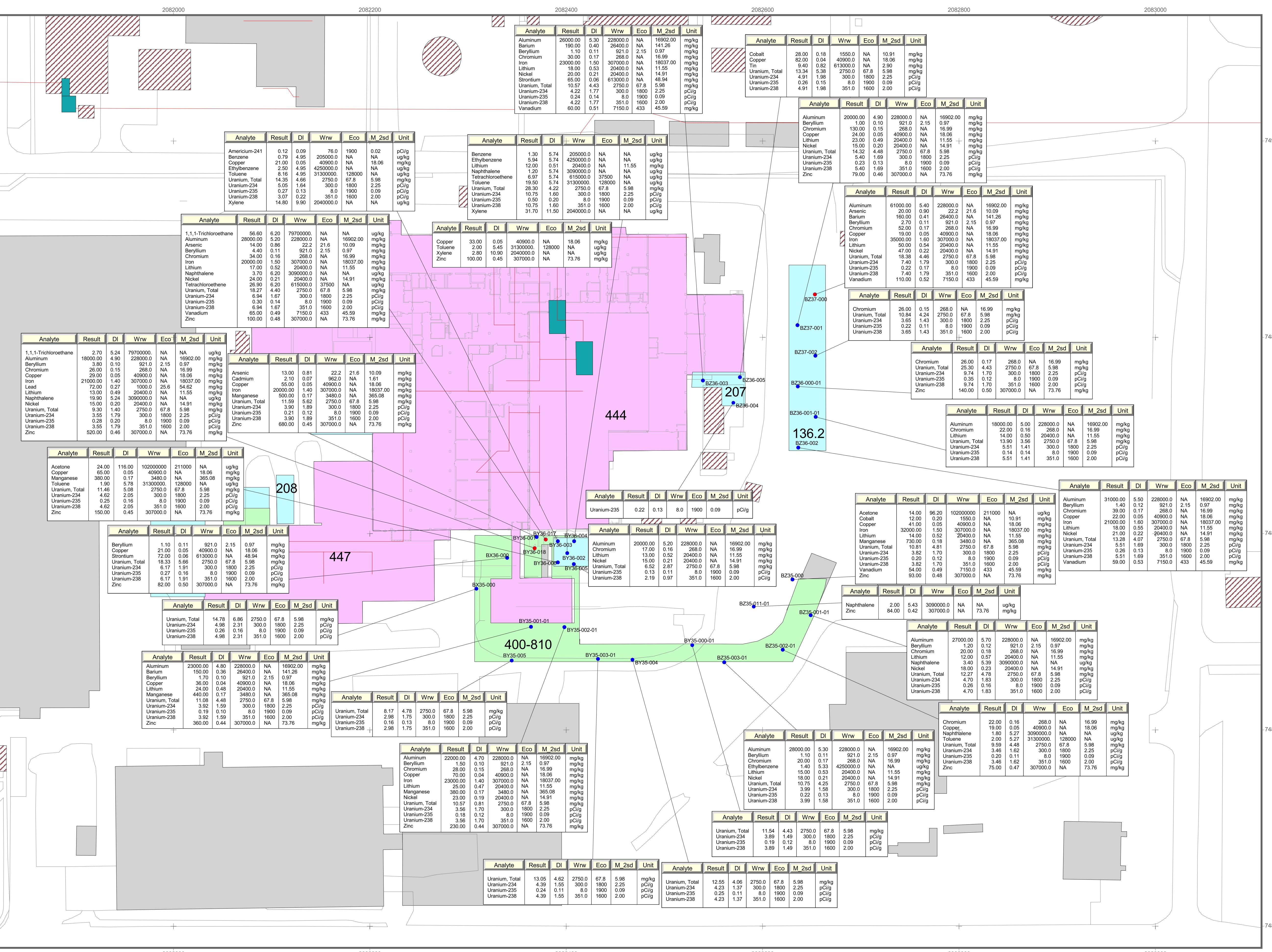


Figure 8

IHSSs 116.2, 136.2, 207, and
PAC 400-810 Subsurface Soil Results
Greater than Background Means Plus
Two Standard Deviations or
Detections Limits

KEY

● Action Level Exceedance

● Below Action Level

■ Tanks

■ Paved roads

■ IHSS

■ PAC

■ UBC

■ Building

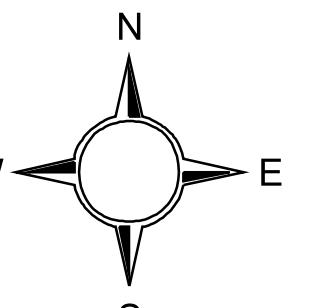
■ Demolished

■ Standing

■ OPWL

■ Foundation Drain

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Scale = 1: 575

50 0 50 100 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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Rocky Flats Environmental Technology Site

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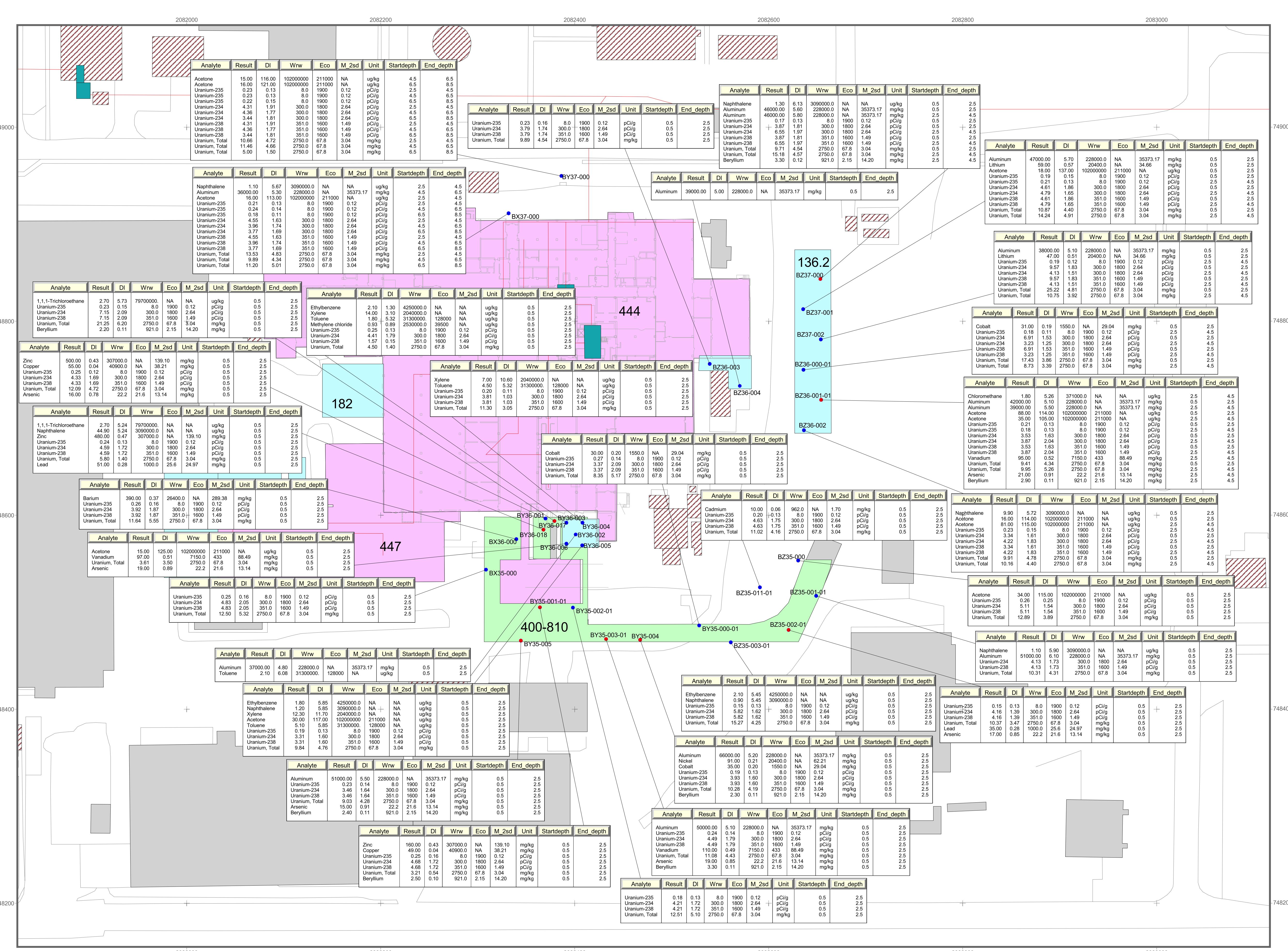


Table 2
IHSS Group 400-3 Characterization Sampling Deviations

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
UBC 444/447	BW37-000	2082086.821	748789.521	2082086.53	748789.27	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Relocated to better situate the sample relative to the pipe chase.
	BX35-003	2082333.001	748547.27	2082330.43	748507.05	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Relocated - plenum inaccessible to take statistic sample.
	BX36-011	2082300.058	748667.548	2082300.28	748667.6	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Relocated statistical sample because foundation column line caused subsurface interference.
	BX37-002*	2082206.101	748853.05	2082205.96	748853.05	Subsurface soil	0.5' - 2.5'	Radionuclides Metals VOCs	Equipment unable to access room. New location on other side of wall near feature of interest. Pipe interference below slab. "A" interval collected, "B" interval abandoned.
	BX37-004	2082297.506	748808.321	2082297.38	748808.321	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated to better accommodate trench. Feature of interest not impacted.
	BX37-009*	2082215.922	748838.454	NO CHANGE		Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Refusal - "A" interval collected, "B" interval abandoned.
	BX37-011	2082164.729	748889.083	2082164.65	748889.2	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to walker duct interference.
	BY36-007	2082432.502	748583.4	2082432.34	748583.37	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated to accommodate sump and stairs.
	BY36-008	2082438.926	748607.487	2082438.82	748607.3	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated. Building feature uncompromised - utility interference.
	BY36-010	2082447.758	748739.968	2082449.98	748735.25	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Water sample only, still collected in the elevator pit. Relocated to accommodate equipment in the shaft.
	BY36-011	2082420.693	748635.938	2082443.28	748636.39	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated to better accommodate floor trench.
	BY36-016	2082387.75	748756.216	2082387.75	748756.55	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to utility interference.

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
	BY37-007	2082393.962	748818.654	2082379.8	748818.99	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample used to replace statistical location. Relocated sample due to utility interference.
	BY37-009	2082443.743	748805.807	2082443.743	748792.35	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample for tank. Relocated to better accommodate tank and building column interference.
	BY37-010	2082433.305	748821.887	N/A		Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Sample location deleted because it fell inside a wall. A new location took its place.
	BY37-011	2082526.635	748794.256	2082544.78	748843.07	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Refusal at second layer of concrete. Statistical sample relocated due to close proximity of BY37-005. Collected with success.
	BY37-013	2082475.442	748844.885	2082483.54	748847.11	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample used to replace statistical location. Relocated within parameters due to secondary concrete issues.
	BW35-003	2082054.842	748549.846	2082054.842	748549.78	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample for tank relocated due to existing equipment interference. Sample taken and building feature not compromised.
	BW35-005	2082104.04	748531.175	2082104	748529.97	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to inaccessibility. Moved from 31A to 31B.
	BW36-015	2082067.739	748596.279	2082067.739	748592.78	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Mistakenly the original location placed sample outside the building and on the dock. Relocated back inside building for more representative location.
	BX35-004	2082175.811	748525.428	2082175.79	748525.25	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to switch gear interference.
	BX36-008*	2082172.014	748564.006	2082172.014	748563.98	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated due to equipment interference. New location samples different area of potential OPWL line. Refusal - "A" interval collected, "B" interval abandoned.
	BY37-016*	2082354.807	748876.494	NO CHANGE		Subsurface soil	0.5' - 2.5'	Radionuclides Metals VOCs	Refusal - "A" interval collected, "B" interval abandoned.

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
	BW35-002*	2082068.888	748552.885	NO CHANGE		Subsurface soil	0.5' - 2.5'	Radionuclides Metals VOCs	Refusal - "A" interval collected, "B" interval abandoned.
	BW35-004*	2082032.27	748536.921	NO CHANGE		Subsurface soil	0.5' - 2.5'	Radionuclides Metals VOCs	Refusal - "A" interval collected, "B" interval abandoned.
	BY37-027	2082377.667	748899.524	2082377.23	748899.08	Surface soil	0' - 0.5' and 0.5' - 2.5'	Metals	Additional sample collected 6 inches away from BY37-003 lead detection.
Remaining IHSSs and PACs	BW36-012	2082028.5	748643.727	2082038.77	748643.766	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Bias sample relocated due to sewer/electrical interference. No specific feature targeted.
	BW36-013	2082026.473	748623.455	2082035.763	748621.032	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Bias sample relocated due to storm drain interference. No specific feature targeted.
	BW36-014	2082093.371	748623.455	2082091.346	748623.644	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated because location was inaccessible.
	BY36-004	2082421.781	748593.047	2082407.983	748592.285	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated due to utility interference. No specific feature targeted.
	BY36-005	2082421.781	748570.747	2082407.738	748568.937	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated due to utility interference. No specific feature targeted.
	BW35-000	2081980.34	748552.635	2081995.615	748553.207	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to sewer line interference.
	BW35-001	2082014.405	748540.992	2082014.529	748537.589	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated slightly away from concrete slab.
	BW36-002	2082027.622	748635.318	2082015.94	748633.051	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to sewer line interference.
	BW36-003	2082020.672	748670.641	2082020.607	748663.609	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to electrical line interference.
	BW36-004	2082000.506	748611.638	2081994.191	748607.339	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to telephone line interference.
	BW36-005	2082027.622	748635.318	2081997.404	748641.844	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to utility line interference.

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
	BW36-006	2082007.456	748576.315	2082020.639	748566.436	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to inaccessible concrete slab.
	BX36-001	2082197.773	748726.843	2082193.209	748725.092	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated due to utility interference. No specific target.
	BX36-002	2082187.637	748753.197	2082184.786	748756.917	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated due to utility interference. Target area not affected.
	BX36-003	2082145.066	748752.184	2082151.125	748756.819	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated due to utility interference. No specific target.
	BX36-005	2082183.571	748738.333	2082183.741	748736.113	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to utility interference.
	BY37-000	2082379.209	748949.837	2082386.21	748949.82	Subsurface soil	2.5' - 4.5', 4.5' - 6.5' and 6.5' - 8.5'	Radionuclides Metals VOCs	Bias sample relocated around utility and OPWL interference to better reflect actual OPWL location.
	BW36-008	2082072.08	748625.037	2082065.569	748619.494	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals PCBs	Statistical sample relocated due to electrical line interference.
	BX35-000	2082320.289	748546.045	2082308.537	748543.791	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to building structure interference.
	BX36-000	2082311.56	748580.971	2082339.721	748575.35	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to building structure interference.
	BY35-000	2082527.955	748486.626	2082528.257	748486.335	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to utility interference.
	BY35-001	2082363.629	748501.216	2082364.031	748504.95	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to utility interference.
	BY35-002	2082398.24	748491.313	2082398.139	748504.734	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to utility interference.
	BY35-003	2082432.851	748481.41	2082432.237	748472.199	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to utility interference.
	BY35-005	2082337.747	748476.194	2082344.458	748470.718	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to utility interference.

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
	BY36-001	2082372.053	748596.09	2082369.769	748596.481	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to underground structure interference.
	BY36-002	2082406.664	748586.187	2082400.965	748580.049	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Statistical sample relocated due to utility interference.
	BY36-017	2082377.87	748592.857	2082379.038	748594.067	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals VOCs	Bias sample relocated due to underground structure interference. Target not affected.
	BZ35-011	208648.941	748516.865	2082590.968	748525.644	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Sample created to replace BZ35-001, which was accidentally collected in the wrong location.
	BZ35-002	2082623.059	748491.842	2082620.428	748481.64	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to utility interference.
	BZ35-003	2082562.566	748476.723	2082560.876	748468.932	Surface and subsurface soil	0' - 0.5' and 0.5' - 2.5'	Radionuclides Metals	Statistical sample relocated due to utility interference.

N/A – Not applicable

* - After evaluating the “A” interval results, additional sampling at the “B” interval was not required.

Table 3
IHSS Group 400-3 Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
IHSS 116.1	BW36-000	748639.437	2082096.032	0	0.5	Aluminum	29000	5	16902	228000	N/A	mg/kg
	BW36-000	748639.437	2082096.032	0	0.5	Beryllium	1.3	0.1	0.97	921	2.15	mg/kg
	BW36-000	748639.437	2082096.032	0	0.5	Lithium	17	0.5	11.55	20400	N/A	mg/kg
	BW36-000	748639.437	2082096.032	0	0.5	Uranium, Total	8.41	3.59	5.98	2750	67.8	mg/kg
	BW36-000	748639.437	2082096.032	0.5	2.5	Uranium, Total	10.31	4.01	3.04	2750	67.8	mg/kg
	BW36-000	748639.437	2082096.032	0	0.5	Uranium-234	3.08	1.32	2.25	300	1800	pCi/g
	BW36-000	748639.437	2082096.032	0.5	2.5	Uranium-234	3.85	1.5	2.64	300	1800	pCi/g
	BW36-000	748639.437	2082096.032	0.5	2.5	Uranium-235	0.2	0.13	0.12	8	1900	pCi/g
	BW36-000	748639.437	2082096.032	0	0.5	Uranium-238	3.08	1.32	2	351	1600	pCi/g
	BW36-000	748639.437	2082096.032	0.5	2.5	Uranium-238	3.85	1.5	1.49	351	1600	pCi/g
	BW36-001	748628.86	2082061.645	0	0.5	Aluminum	27000	5.1	16902	228000	N/A	mg/kg
	BW36-001	748628.86	2082061.645	0	0.5	Beryllium	1.4	0.11	0.97	921	2.15	mg/kg
	BW36-001	748628.86	2082061.645	0	0.5	Chromium	18	0.16	16.99	268	N/A	mg/kg
	BW36-001	748628.86	2082061.645	0	0.5	Lithium	14	0.51	11.55	20400	N/A	mg/kg
	BW36-001	748628.86	2082061.645	0	0.5	Nickel	17	0.2	14.91	20400	N/A	mg/kg
	BW36-001	748628.86	2082061.645	0.5	2.5	Uranium, Total	8.79	4.57	3.04	2750	67.8	mg/kg
	BW36-001	748628.86	2082061.645	0.5	2.5	Uranium-234	3.38	1.76	2.64	300	1800	pCi/g
	BW36-001	748628.86	2082061.645	0	0.5	Uranium-235	0.13	0.1	0.09	8	1900	pCi/g
	BW36-001	748628.86	2082061.645	0.5	2.5	Uranium-235	0.17	0.14	0.12	8	1900	pCi/g
	BW36-001	748628.86	2082061.645	0.5	2.5	Uranium-238	3.38	1.76	1.49	351	1600	pCi/g
	BW36-012	748643.766	2082038.77	0	0.5	Strontium	54	0.06	48.94	613000	N/A	mg/kg
	BW36-012	748643.766	2082038.77	0.5	2.5	Uranium, Total	10.25	4.6	3.04	2750	67.8	mg/kg
	BW36-012	748643.766	2082038.77	0.5	2.5	Uranium-234	4.02	1.8	2.64	300	1800	pCi/g
	BW36-012	748643.766	2082038.77	0.5	2.5	Uranium-235	0.19	0.14	0.12	8	1900	pCi/g
	BW36-012	748643.766	2082038.77	0.5	2.5	Uranium-238	4.02	1.8	1.49	351	1600	pCi/g
	BW36-013	748621.032	2082035.763	0	0.5	Aluminum	39000	5.4	16902	228000	N/A	mg/kg
	BW36-013	748621.032	2082035.763	0	0.5	Beryllium	1.4	0.11	0.97	921	2.15	mg/kg
	BW36-013	748621.032	2082035.763	0	0.5	Chromium	25	0.17	16.99	268	N/A	mg/kg
	BW36-013	748621.032	2082035.763	0	0.5	Iron	21000	1.5	18037	307000	N/A	mg/kg
	BW36-013	748621.032	2082035.763	0	0.5	Lithium	16	0.54	11.55	20400	N/A	mg/kg
	BW36-013	748621.032	2082035.763	0	0.5	Selenium	1.4	0.88	1.22	5110	N/A	mg/kg
	BW36-013	748621.032	2082035.763	0.5	2.5	Uranium, Total	10.6	5.11	3.04	2750	67.8	mg/kg
	BW36-013	748621.032	2082035.763	0.5	2.5	Uranium-234	4.12	1.99	2.64	300	1800	pCi/g
	BW36-013	748621.032	2082035.763	0	0.5	Uranium-235	0.2	0.17	0.09	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BW36-013	BW36-013	748621.032	2082035.763	0.5	2.5	Uranium-235	0.23	0.14	0.12	8	1900	pCi/g
	BW36-013	748621.032	2082035.763	0.5	2.5	Uranium-238	4.12	1.99	1.49	351	1600	pCi/g
	BW36-014	748623.644	2082091.346	0	0.5	Aluminum	29000	4.9	16902	228000	N/A	mg/kg
	BW36-014	748623.644	2082091.346	0.5	2.5	Aluminum	39000	5.5	35373.17	228000	N/A	mg/kg
	BW36-014	748623.644	2082091.346	0	0.5	Beryllium	1.5	0.1	0.97	921	2.15	mg/kg
	BW36-014	748623.644	2082091.346	0	0.5	Chromium	26	0.15	16.99	268	N/A	mg/kg
	BW36-014	748623.644	2082091.346	0	0.5	Cobalt	11	0.19	10.91	1550	N/A	mg/kg
	BW36-014	748623.644	2082091.346	0	0.5	Iron	20000	1.4	18037	307000	N/A	mg/kg
	BW36-014	748623.644	2082091.346	0	0.5	Lithium	17	0.49	11.55	20400	N/A	mg/kg
	BW36-014	748623.644	2082091.346	0	0.5	Nickel	21	0.2	14.91	20400	N/A	mg/kg
	BW36-014	748623.644	2082091.346	0	0.5	Uranium, Total	12.56	5.46	5.98	2750	67.8	mg/kg
	BW36-014	748623.644	2082091.346	0.5	2.5	Uranium, Total	3.38	3.33	3.04	2750	67.8	mg/kg
	BW36-014	748623.644	2082091.346	0	0.5	Uranium-234	4.41	1.92	2.25	300	1800	pCi/g
	BW36-014	748623.644	2082091.346	0	0.5	Uranium-235	0.23	0.14	0.09	8	1900	pCi/g
	BW36-014	748623.644	2082091.346	0	0.5	Uranium-238	4.41	1.92	2	351	1600	pCi/g
	BW36-014	748623.644	2082091.346	0	0.5	Vanadium	48	0.47	45.59	7150	433	mg/kg
IHSS 116.2	BY36-003	748592.164	2082391.413	0	0.5	Americium-241	0.12	0.09	0.02	76	1900	pCi/g
	BY36-003	748592.164	2082391.413	0	0.5	Benzene	0.79	4.95	N/A	205000	N/A	ug/kg
	BY36-003	748592.164	2082391.413	0	0.5	Copper	21	0.05	18.06	40900	N/A	mg/kg
	BY36-003	748592.164	2082391.413	0	0.5	Ethylbenzene	2.5	4.95	N/A	4250000	N/A	ug/kg
	BY36-003	748592.164	2082391.413	0.5	2.5	Ethylbenzene	2.1	1.3	N/A	4250000	N/A	ug/kg
	BY36-003	748592.164	2082391.413	0.5	2.5	Methylene chloride	0.93	0.89	N/A	2530000	39500	ug/kg
	BY36-003	748592.164	2082391.413	0	0.5	Toluene	8.16	4.95	N/A	31300000	128000	ug/kg
	BY36-003	748592.164	2082391.413	0.5	2.5	Toluene	1.8	5.32	N/A	31300000	128000	ug/kg
	BY36-003	748592.164	2082391.413	0	0.5	Uranium, Total	14.35	4.66	5.98	2750	67.8	mg/kg
	BY36-003	748592.164	2082391.413	0.5	2.5	Uranium, Total	4.5	1.4	3.04	2750	67.8	mg/kg
	BY36-003	748592.164	2082391.413	0	0.5	Uranium-234	5.05	1.64	2.25	300	1800	pCi/g
	BY36-003	748592.164	2082391.413	0.5	2.5	Uranium-234	4.41	1.79	2.64	300	1800	pCi/g
	BY36-003	748592.164	2082391.413	0	0.5	Uranium-235	0.27	0.13	0.09	8	1900	pCi/g
	BY36-003	748592.164	2082391.413	0.5	2.5	Uranium-235	0.25	0.13	0.12	8	1900	pCi/g
	BY36-003	748592.164	2082391.413	0	0.5	Uranium-238	3.07	0.22	2	351	1600	pCi/g
	BY36-003	748592.164	2082391.413	0.5	2.5	Uranium-238	1.57	0.15	1.49	351	1600	pCi/g
	BY36-003	748592.164	2082391.413	0	0.5	Xylene	14.8	9.9	N/A	2040000	N/A	ug/kg
	BY36-003	748592.164	2082391.413	0.5	2.5	Xylene	14	3.1	N/A	2040000	N/A	ug/kg
BY36-004	748592.285	2082407.983	0	0.5	Benzene	1.3	5.74	N/A	205000	N/A	ug/kg	
	748592.285	2082407.983	0	0.5	Ethylbenzene	5.94	5.74	N/A	4250000	N/A	ug/kg	
	748592.285	2082407.983	0	0.5	Lithium	12	0.51	11.55	20400	N/A	mg/kg	

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-004	748592.285	2082407.983	0	0.5	Naphthalene	1.2	5.74	N/A	3090000	N/A	ug/kg
	BY36-004	748592.285	2082407.983	0	0.5	Tetrachloroethene	6.97	5.74	N/A	615000	37500	ug/kg
	BY36-004	748592.285	2082407.983	0	0.5	Toluene	19.5	5.74	N/A	31300000	128000	ug/kg
	BY36-004	748592.285	2082407.983	0.5	2.5	Toluene	4.5	5.32	N/A	31300000	128000	ug/kg
	BY36-004	748592.285	2082407.983	0	0.5	Uranium, Total	28.3	4.22	5.98	2750	67.8	mg/kg
	BY36-004	748592.285	2082407.983	0.5	2.5	Uranium, Total	11.3	3.05	3.04	2750	67.8	mg/kg
	BY36-004	748592.285	2082407.983	0	0.5	Uranium-234	10.75	1.6	2.25	300	1800	pCi/g
	BY36-004	748592.285	2082407.983	0.5	2.5	Uranium-234	3.81	1.03	2.64	300	1800	pCi/g
	BY36-004	748592.285	2082407.983	0	0.5	Uranium-235	0.5	0.2	0.09	8	1900	pCi/g
	BY36-004	748592.285	2082407.983	0.5	2.5	Uranium-235	0.2	0.11	0.12	8	1900	pCi/g
	BY36-004	748592.285	2082407.983	0	0.5	Uranium-238	10.75	1.6	2	351	1600	pCi/g
	BY36-004	748592.285	2082407.983	0.5	2.5	Uranium-238	3.81	1.03	1.49	351	1600	pCi/g
	BY36-004	748592.285	2082407.983	0	0.5	Xylene	31.7	11.5	N/A	2040000	N/A	ug/kg
	BY36-004	748592.285	2082407.983	0.5	2.5	Xylene	7	10.6	N/A	2040000	N/A	ug/kg
	BY36-005	748568.937	2082407.738	0.5	2.5	Acetone	30	117	N/A	102000000	211000	ug/kg
	BY36-005	748568.937	2082407.738	0	0.5	Aluminum	20000	5.2	16902	228000	N/A	mg/kg
	BY36-005	748568.937	2082407.738	0	0.5	Chromium	17	0.16	16.99	268	N/A	mg/kg
	BY36-005	748568.937	2082407.738	0.5	2.5	Ethylbenzene	1.8	5.85	N/A	4250000	N/A	ug/kg
	BY36-005	748568.937	2082407.738	0	0.5	Lithium	13	0.52	11.55	20400	N/A	mg/kg
	BY36-005	748568.937	2082407.738	0.5	2.5	Naphthalene	1.2	5.85	N/A	3090000	N/A	ug/kg
	BY36-005	748568.937	2082407.738	0	0.5	Nickel	15	0.21	14.91	20400	N/A	mg/kg
	BY36-005	748568.937	2082407.738	0.5	2.5	Toluene	5.1	5.85	N/A	31300000	128000	ug/kg
	BY36-005	748568.937	2082407.738	0	0.5	Uranium, Total	6.52	2.87	5.98	2750	67.8	mg/kg
	BY36-005	748568.937	2082407.738	0.5	2.5	Uranium, Total	9.84	4.76	3.04	2750	67.8	mg/kg
	BY36-005	748568.937	2082407.738	0.5	2.5	Uranium-234	3.31	1.6	2.64	300	1800	pCi/g
	BY36-005	748568.937	2082407.738	0	0.5	Uranium-235	0.13	0.11	0.09	8	1900	pCi/g
	BY36-005	748568.937	2082407.738	0.5	2.5	Uranium-235	0.19	0.13	0.12	8	1900	pCi/g
	BY36-005	748568.937	2082407.738	0	0.5	Uranium-238	2.19	0.97	2	351	1600	pCi/g
	BY36-005	748568.937	2082407.738	0.5	2.5	Uranium-238	3.31	1.6	1.49	351	1600	pCi/g
	BY36-005	748568.937	2082407.738	0.5	2.5	Xylene	12.3	11.7	N/A	2040000	N/A	ug/kg
	BY36-006	748570.737	2082391.403	0	0.5	Acetone	24	116	N/A	102000000	211000	ug/kg
	BY36-006	748570.737	2082391.403	0.5	2.5	Acetone	15	125	N/A	102000000	211000	ug/kg
	BY36-006	748570.737	2082391.403	0.5	2.5	Arsenic	19	0.89	13.14	22.2	21.6	mg/kg
	BY36-006	748570.737	2082391.403	0	0.5	Copper	65	0.05	18.06	40900	N/A	mg/kg
	BY36-006	748570.737	2082391.403	0	0.5	Manganese	380	0.17	365.08	3480	N/A	mg/kg
	BY36-006	748570.737	2082391.403	0	0.5	Toluene	1.9	5.78	N/A	31300000	128000	ug/kg
	BY36-006	748570.737	2082391.403	0	0.5	Uranium, Total	11.46	5.08	5.98	2750	67.8	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-006	748570.737	2082391.403	0.5	2.5	Uranium, Total	3.61	3.5	3.04	2750	67.8	mg/kg
	BY36-006	748570.737	2082391.403	0	0.5	Uranium-234	4.62	2.05	2.25	300	1800	pCi/g
	BY36-006	748570.737	2082391.403	0	0.5	Uranium-235	0.25	0.16	0.09	8	1900	pCi/g
	BY36-006	748570.737	2082391.403	0	0.5	Uranium-238	4.62	2.05	2	351	1600	pCi/g
	BY36-006	748570.737	2082391.403	0.5	2.5	Vanadium	97	0.51	88.49	7150	433	mg/kg
	BY36-006	748570.737	2082391.403	0	0.5	Zinc	150	0.45	73.76	307000	N/A	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	1,1,1-Trichloroethane	56.6	6.2	N/A	79700000	N/A	ug/kg
	BY36-017	748594.067	2082379.038	0.5	2.5	1,1,1-Trichloroethane	2.7	5.73	N/A	79700000	N/A	ug/kg
	BY36-017	748594.067	2082379.038	0	0.5	Aluminum	28000	5.2	16902	228000	N/A	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	Arsenic	14	0.86	10.09	22.2	21.6	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	Beryllium	4.4	0.11	0.97	921	2.15	mg/kg
	BY36-017	748594.067	2082379.038	0.5	2.5	Beryllium	2.2	0.11	14.2	921	2.15	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	Chromium	34	0.16	16.99	268	N/A	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	Iron	20000	1.5	18037	307000	N/A	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	Lithium	17	0.52	11.55	20400	N/A	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	Naphthalene	3.7	6.2	N/A	3090000	N/A	ug/kg
	BY36-017	748594.067	2082379.038	0	0.5	Nickel	24	0.21	14.91	20400	N/A	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	Tetrachloroethene	26.9	6.2	N/A	615000	37500	ug/kg
	BY36-017	748594.067	2082379.038	0	0.5	Uranium, Total	18.27	4.4	5.98	2750	67.8	mg/kg
	BY36-017	748594.067	2082379.038	0.5	2.5	Uranium, Total	21.25	6.2	3.04	2750	67.8	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	Uranium-234	6.94	1.67	2.25	300	1800	pCi/g
	BY36-017	748594.067	2082379.038	0.5	2.5	Uranium-234	7.15	2.09	2.64	300	1800	pCi/g
	BY36-017	748594.067	2082379.038	0	0.5	Uranium-235	0.3	0.14	0.09	8	1900	pCi/g
	BY36-017	748594.067	2082379.038	0.5	2.5	Uranium-235	0.23	0.15	0.12	8	1900	pCi/g
	BY36-017	748594.067	2082379.038	0	0.5	Uranium-238	6.94	1.67	2	351	1600	pCi/g
	BY36-017	748594.067	2082379.038	0.5	2.5	Uranium-238	7.15	2.09	1.49	351	1600	pCi/g
	BY36-017	748594.067	2082379.038	0	0.5	Vanadium	65	0.49	45.59	7150	433	mg/kg
	BY36-017	748594.067	2082379.038	0	0.5	Zinc	100	0.48	73.76	307000	N/A	mg/kg
	BY36-018	748584.981	2082367.799	0	0.5	1,1,1-Trichloroethane	2.7	5.24	N/A	79700000	N/A	ug/kg
	BY36-018	748584.981	2082367.799	0.5	2.5	1,1,1-Trichloroethane	2.7	5.24	N/A	79700000	N/A	ug/kg
	BY36-018	748584.981	2082367.799	0	0.5	Aluminum	18000	4.9	16902	228000	N/A	mg/kg
	BY36-018	748584.981	2082367.799	0	0.5	Beryllium	3.8	0.1	0.97	921	2.15	mg/kg
	BY36-018	748584.981	2082367.799	0	0.5	Chromium	26	0.15	16.99	268	N/A	mg/kg
	BY36-018	748584.981	2082367.799	0	0.5	Copper	29	0.05	18.06	40900	N/A	mg/kg
	BY36-018	748584.981	2082367.799	0	0.5	Iron	21000	1.4	18037	307000	N/A	mg/kg
	BY36-018	748584.981	2082367.799	0	0.5	Lead	72	0.27	54.62	1000	25.6	mg/kg
	BY36-018	748584.981	2082367.799	0.5	2.5	Lead	51	0.28	24.97	1000	25.6	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit	
BY36-018	748584.981	2082367.799	0	0.5	Lithium	13	0.49	11.55	20400	N/A	mg/kg		
	748584.981	2082367.799	0	0.5	Naphthalene	19.9	5.24	N/A	3090000	N/A	ug/kg		
	748584.981	2082367.799	0.5	2.5	Naphthalene	44.9	5.24	N/A	3090000	N/A	ug/kg		
	748584.981	2082367.799	0	0.5	Nickel	15	0.2	14.91	20400	N/A	mg/kg		
	748584.981	2082367.799	0	0.5	Uranium, Total	9.3	1.4	5.98	2750	67.8	mg/kg		
	748584.981	2082367.799	0.5	2.5	Uranium, Total	5.8	1.4	3.04	2750	67.8	mg/kg		
	748584.981	2082367.799	0	0.5	Uranium-234	3.55	1.79	2.25	300	1800	pCi/g		
	748584.981	2082367.799	0.5	2.5	Uranium-234	4.59	1.72	2.64	300	1800	pCi/g		
	748584.981	2082367.799	0	0.5	Uranium-235	0.28	0.2	0.09	8	1900	pCi/g		
	748584.981	2082367.799	0.5	2.5	Uranium-235	0.24	0.13	0.12	8	1900	pCi/g		
	748584.981	2082367.799	0	0.5	Uranium-238	3.55	1.79	2	351	1600	pCi/g		
	748584.981	2082367.799	0.5	2.5	Uranium-238	4.59	1.72	1.49	351	1600	pCi/g		
	748584.981	2082367.799	0	0.5	Zinc	520	0.46	73.76	307000	N/A	mg/kg		
	748584.981	2082367.799	0.5	2.5	Zinc	480	0.47	139.1	307000	N/A	mg/kg		
IHSS 136.1	BW35-000	748553.207	2081995.615	0	0.5	Acetone	31	119	N/A	102000000	211000	ug/kg	
	BW35-000	748553.207	2081995.615	0	0.5	Naphthalene	3.4	5.94	N/A	3090000	N/A	ug/kg	
	BW35-000	748553.207	2081995.615	0.5	2.5	Uranium, Total	11.7	3.98	3.04	2750	67.8	mg/kg	
	BW35-000	748553.207	2081995.615	0.5	2.5	Uranium-234	4.9	1.67	2.64	300	1800	pCi/g	
	BW35-000	748553.207	2081995.615	0.5	2.5	Uranium-235	0.26	0.15	0.12	8	1900	pCi/g	
	BW35-000	748553.207	2081995.615	0.5	2.5	Uranium-238	4.9	1.67	1.49	351	1600	pCi/g	
	BW35-001	748537.589	2082014.529	0	0.5	Aluminum	36000	5.1	16902	228000	N/A	mg/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Beryllium	1.8	0.11	0.97	921	2.15	mg/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Chromium	36	0.16	16.99	268	N/A	mg/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Copper	22	0.05	18.06	40900	N/A	mg/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Iron	23000	1.5	18037	307000	N/A	mg/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Lead	27	0.28	54.62	1000	25.6	mg/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Lithium	18	0.51	11.55	20400	N/A	mg/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Naphthalene	14.1	5.87	N/A	3090000	N/A	ug/kg	
	BW35-001	748537.589	2082014.529	0.5	2.5	Naphthalene	2.6	5.16	N/A	3090000	N/A	ug/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Nickel	23	0.21	14.91	20400	N/A	mg/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Uranium, Total	15	1.5	5.98	2750	67.8	mg/kg	
	BW35-001	748537.589	2082014.529	0.5	2.5	Uranium, Total	6.69	6.1	3.04	2750	67.8	mg/kg	
	BW35-001	748537.589	2082014.529	0	0.5	Uranium-234	8.92	1.95	2.25	300	1800	pCi/g	
	BW35-001	748537.589	2082014.529	0	0.5	Uranium-235	0.26	0.15	0.09	8	1900	pCi/g	
	BW35-001	748537.589	2082014.529	0	0.5	Uranium-238	8.92	1.95	2	351	1600	pCi/g	
	BW35-001	748537.589	2082014.529	0.5	2.5	Uranium-238	2.25	2.05	1.49	351	1600	pCi/g	
	BW35-001	748537.589	2082014.529	0	0.5	Vanadium	54	0.49	45.59	7150	433	mg/kg	

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BW35-001	748537.589	2082014.529	0	0.5	Zinc	110	0.48	73.76	307000	N/A	mg/kg	
BW36-002	748633.051	2082015.94	0	0.5	Aluminum	20000	4.9	16902	228000	N/A	mg/kg	
BW36-002	748633.051	2082015.94	0	0.5	Beryllium	0.97	0.1	0.97	921	2.15	mg/kg	
BW36-002	748633.051	2082015.94	0	0.5	Chromium	17	0.15	16.99	268	N/A	mg/kg	
BW36-002	748633.051	2082015.94	0	0.5	Ethylbenzene	1.1	5.1	N/A	4250000	N/A	ug/kg	
BW36-002	748633.051	2082015.94	0	0.5	Naphthalene	1.2	5.1	N/A	3090000	N/A	ug/kg	
BW36-002	748633.051	2082015.94	0	0.5	Toluene	1.8	5.1	N/A	31300000	128000	ug/kg	
BW36-002	748633.051	2082015.94	0	0.5	Uranium, Total	8.73	4.93	5.98	2750	67.8	mg/kg	
BW36-002	748633.051	2082015.94	0.5	2.5	Uranium, Total	11.85	4.96	3.04	2750	67.8	mg/kg	
BW36-002	748633.051	2082015.94	0	0.5	Uranium-234	3.18	1.8	2.25	300	1800	pCi/g	
BW36-002	748633.051	2082015.94	0.5	2.5	Uranium-234	3.99	1.67	2.64	300	1800	pCi/g	
BW36-002	748633.051	2082015.94	0	0.5	Uranium-235	0.19	0.14	0.09	8	1900	pCi/g	
BW36-002	748633.051	2082015.94	0.5	2.5	Uranium-235	0.18	0.12	0.12	8	1900	pCi/g	
BW36-002	748633.051	2082015.94	0	0.5	Uranium-238	3.18	1.8	2	351	1600	pCi/g	
BW36-002	748633.051	2082015.94	0.5	2.5	Uranium-238	3.99	1.67	1.49	351	1600	pCi/g	
BW36-002	748633.051	2082015.94	0	0.5	Xylene	6.1	10.2	N/A	2040000	N/A	ug/kg	
BW36-003	748663.609	2082020.607	0	0.5	Acetone	125	111	N/A	102000000	211000	ug/kg	
BW36-003	748663.609	2082020.607	0	0.5	Aluminum	23000	5.2	16902	228000	N/A	mg/kg	
BW36-003	748663.609	2082020.607	0	0.5	Beryllium	1.1	0.11	0.97	921	2.15	mg/kg	
BW36-003	748663.609	2082020.607	0	0.5	Chromium	19	0.16	16.99	268	N/A	mg/kg	
BW36-003	748663.609	2082020.607	0	0.5	Lithium	14	0.52	11.55	20400	N/A	mg/kg	
BW36-003	748663.609	2082020.607	0	0.5	Naphthalene	1.1	5.55	N/A	3090000	N/A	ug/kg	
BW36-003	748663.609	2082020.607	0	0.5	Nickel	15	0.21	14.91	20400	N/A	mg/kg	
BW36-003	748663.609	2082020.607	0	0.5	Uranium, Total	10.76	5.26	5.98	2750	67.8	mg/kg	
BW36-003	748663.609	2082020.607	0	0.5	Uranium-234	3.62	1.77	2.25	300	1800	pCi/g	
BW36-003	748663.609	2082020.607	0	0.5	Uranium-235	0.2	0.13	0.09	8	1900	pCi/g	
BW36-003	748663.609	2082020.607	0.5	2.5	Uranium-235	0.15	0.11	0.12	8	1900	pCi/g	
BW36-003	748663.609	2082020.607	0	0.5	Uranium-238	3.62	1.77	2	351	1600	pCi/g	
BW36-004	748607.339	2081994.191	0	0.5	Acetone	35	5.3	N/A	102000000	211000	ug/kg	
BW36-004	748607.339	2081994.191	0	0.5	Aluminum	26000	5.2	16902	228000	N/A	mg/kg	
BW36-004	748607.339	2081994.191	0	0.5	Arsenic	18	0.86	10.09	22.2	21.6	mg/kg	
BW36-004	748607.339	2081994.191	0	0.5	Beryllium	1.9	0.11	0.97	921	2.15	mg/kg	
BW36-004	748607.339	2081994.191	0	0.5	Chromium	19	0.16	16.99	268	N/A	mg/kg	
BW36-004	748607.339	2081994.191	0	0.5	Cobalt	13	0.2	10.91	1550	N/A	mg/kg	
BW36-004	748607.339	2081994.191	0	0.5	Iron	28000	1.5	18037	307000	N/A	mg/kg	
BW36-004	748607.339	2081994.191	0	0.5	Lithium	15	0.52	11.55	20400	N/A	mg/kg	
BW36-004	748607.339	2081994.191	0	0.5	Manganese	750	0.18	365.08	3480	N/A	mg/kg	

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BW36-004	748607.339	2081994.191		0	0.5	Methylene chloride	1.8	0.92	N/A	2530000	39500	ug/kg
BW36-004	748607.339	2081994.191		0.5	2.5	Methylene chloride	1.5	0.89	N/A	2530000	39500	ug/kg
BW36-004	748607.339	2081994.191		0	0.5	Nickel	29	0.21	14.91	20400	N/A	mg/kg
BW36-004	748607.339	2081994.191		0.5	2.5	Uranium, Total	11.48	4.35	3.04	2750	67.8	mg/kg
BW36-004	748607.339	2081994.191		0.5	2.5	Uranium-234	3.87	1.47	2.64	300	1800	pCi/g
BW36-004	748607.339	2081994.191		0.5	2.5	Uranium-235	0.22	0.12	0.12	8	1900	pCi/g
BW36-004	748607.339	2081994.191		0.5	2.5	Uranium-238	3.87	1.47	1.49	351	1600	pCi/g
BW36-004	748607.339	2081994.191		0	0.5	Vanadium	77	0.49	45.59	7150	433	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Aluminum	69000	5.4	16902	228000	N/A	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Arsenic	11	0.9	10.09	22.2	21.6	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Barium	180	0.41	141.26	26400	N/A	mg/kg
BW36-005	748641.844	2081997.404	0	0.5		Beryllium	2.8	0.11	0.97	921	2.15	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Chromium	28	0.17	16.99	268	N/A	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Cobalt	17	0.2	10.91	1550	N/A	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Iron	31000	1.6	18037	307000	N/A	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Lithium	38	0.54	11.55	20400	N/A	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Mercury	0.19	0.01	0.13	25200	N/A	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Nickel	51	0.22	14.91	20400	N/A	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Strontium	150	0.07	48.94	613000	N/A	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Toluene	1.5	5.7	N/A	31300000	128000	ug/kg
BW36-005	748641.844	2081997.404		0.5	2.5	Uranium-235	0.2	0.19	0.12	8	1900	pCi/g
BW36-005	748641.844	2081997.404		0	0.5	Vanadium	72	0.52	45.59	7150	433	mg/kg
BW36-005	748641.844	2081997.404		0	0.5	Xylene	8	11.4	N/A	2040000	N/A	ug/kg
BW36-006	748566.436	2082020.639		0	0.5	Acetone	50	123	N/A	102000000	211000	ug/kg
BW36-006	748566.436	2082020.639		0	0.5	Aluminum	19000	5.3	16902	228000	N/A	mg/kg
BW36-006	748566.436	2082020.639		0	0.5	Chromium	23	0.16	16.99	268	N/A	mg/kg
BW36-006	748566.436	2082020.639		0	0.5	Lithium	14	0.53	11.55	20400	N/A	mg/kg
BW36-006	748566.436	2082020.639		0	0.5	Naphthalene	4.9	6.15	N/A	3090000	N/A	ug/kg
BW36-006	748566.436	2082020.639		0	0.5	Uranium, Total	13.62	5.65	5.98	2750	67.8	mg/kg
BW36-006	748566.436	2082020.639	0.5	2.5		Uranium, Total	10.4	4.04	3.04	2750	67.8	mg/kg
BW36-006	748566.436	2082020.639	0	0.5		Uranium-234	4.59	1.9	2.25	300	1800	pCi/g
BW36-006	748566.436	2082020.639	0.5	2.5		Uranium-234	4.16	1.62	2.64	300	1800	pCi/g
BW36-006	748566.436	2082020.639	0	0.5		Uranium-235	0.28	0.14	0.09	8	1900	pCi/g
BW36-006	748566.436	2082020.639	0.5	2.5		Uranium-235	0.19	0.13	0.12	8	1900	pCi/g
BW36-006	748566.436	2082020.639	0	0.5		Uranium-238	4.59	1.9	2	351	1600	pCi/g
BW36-006	748566.436	2082020.639	0.5	2.5		Uranium-238	4.16	1.62	1.49	351	1600	pCi/g
IHSS 136.2	BZ36-000-01	748749.953	2082635.815	0	0.5	Chromium	26	0.17	16.99	268	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BZ36-000-01	748749.953	2082635.815	0.5	2.5	Cobalt	31	0.19	29.04	1550	N/A	mg/kg	
BZ36-000-01	748749.953	2082635.815	0	0.5	Uranium, Total	25.3	4.43	5.98	2750	67.8	mg/kg	
BZ36-000-01	748749.953	2082635.815	0.5	2.5	Uranium, Total	17.43	3.86	3.04	2750	67.8	mg/kg	
BZ36-000-01	748749.953	2082635.815	2.5	4.5	Uranium, Total	8.73	3.39	3.04	2750	67.8	mg/kg	
BZ36-000-01	748749.953	2082635.815	0	0.5	Uranium-234	9.74	1.7	2.25	300	1800	pCi/g	
BZ36-000-01	748749.953	2082635.815	0.5	2.5	Uranium-234	6.91	1.53	2.64	300	1800	pCi/g	
BZ36-000-01	748749.953	2082635.815	2.5	4.5	Uranium-234	3.23	1.25	2.64	300	1800	pCi/g	
BZ36-000-01	748749.953	2082635.815	0	0.5	Uranium-235	0.35	0.12	0.09	8	1900	pCi/g	
BZ36-000-01	748749.953	2082635.815	2.5	4.5	Uranium-235	0.18	0.11	0.12	8	1900	pCi/g	
BZ36-000-01	748749.953	2082635.815	0	0.5	Uranium-238	9.74	1.7	2	351	1600	pCi/g	
BZ36-000-01	748749.953	2082635.815	0.5	2.5	Uranium-238	6.91	1.53	1.49	351	1600	pCi/g	
BZ36-000-01	748749.953	2082635.815	2.5	4.5	Uranium-238	3.23	1.25	1.49	351	1600	pCi/g	
BZ36-000-01	748749.953	2082635.815	0	0.5	Zinc	140	0.5	73.76	307000	N/A	mg/kg	
BZ36-001-01	748718.868	2082654.034	0.5	2.5	Acetone	88	114	N/A	102000000	211000	ug/kg	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Acetone	35	105	N/A	102000000	211000	ug/kg	
BZ36-001-01	748718.868	2082654.034	0	0.5	Aluminum	18000	5	16902	228000	N/A	mg/kg	
BZ36-001-01	748718.868	2082654.034	0.5	2.5	Aluminum	42000	5.1	35373.17	228000	N/A	mg/kg	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Aluminum	39000	5.5	35373.17	228000	N/A	mg/kg	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Arsenic	21	0.91	13.14	22.2	21.6	mg/kg	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Beryllium	2.9	0.11	14.2	921	2.15	mg/kg	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Chloromethane	1.8	5.26	N/A	371000	N/A	ug/kg	
BZ36-001-01	748718.868	2082654.034	0	0.5	Chromium	22	0.16	16.99	268	N/A	mg/kg	
BZ36-001-01	748718.868	2082654.034	0	0.5	Lithium	14	0.5	11.55	20400	N/A	mg/kg	
BZ36-001-01	748718.868	2082654.034	0	0.5	Uranium, Total	13.9	3.56	5.98	2750	67.8	mg/kg	
BZ36-001-01	748718.868	2082654.034	0.5	2.5	Uranium, Total	9.41	4.34	3.04	2750	67.8	mg/kg	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Uranium, Total	9.95	5.26	3.04	2750	67.8	mg/kg	
BZ36-001-01	748718.868	2082654.034	0	0.5	Uranium-234	5.51	1.41	2.25	300	1800	pCi/g	
BZ36-001-01	748718.868	2082654.034	0.5	2.5	Uranium-234	3.53	1.63	2.64	300	1800	pCi/g	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Uranium-234	3.87	2.04	2.64	300	1800	pCi/g	
BZ36-001-01	748718.868	2082654.034	0	0.5	Uranium-235	0.14	0.14	0.09	8	1900	pCi/g	
BZ36-001-01	748718.868	2082654.034	0.5	2.5	Uranium-235	0.21	0.13	0.12	8	1900	pCi/g	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Uranium-235	0.18	0.13	0.12	8	1900	pCi/g	
BZ36-001-01	748718.868	2082654.034	0	0.5	Uranium-238	5.51	1.41	2	351	1600	pCi/g	
BZ36-001-01	748718.868	2082654.034	0.5	2.5	Uranium-238	3.53	1.63	1.49	351	1600	pCi/g	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Uranium-238	3.87	2.04	1.49	351	1600	pCi/g	
BZ36-001-01	748718.868	2082654.034	2.5	4.5	Vanadium	95	0.52	88.49	7150	433	mg/kg	
BZ36-002	748687.624	2082636.265	0.5	2.5	Acetone	16	114	N/A	102000000	211000	ug/kg	

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BZ36-002	748687.624	2082636.265	2.5	4.5	Acetone	81	115	N/A	102000000	211000	ug/kg
	BZ36-002	748687.624	2082636.265	0	0.5	Aluminum	31000	5.5	16902	228000	N/A	mg/kg
	BZ36-002	748687.624	2082636.265	0	0.5	Beryllium	1.4	0.12	0.97	921	2.15	mg/kg
	BZ36-002	748687.624	2082636.265	0	0.5	Chromium	39	0.17	16.99	268	N/A	mg/kg
	BZ36-002	748687.624	2082636.265	0	0.5	Copper	22	0.05	18.06	40900	N/A	mg/kg
	BZ36-002	748687.624	2082636.265	0	0.5	Iron	21000	1.6	18037	307000	N/A	mg/kg
	BZ36-002	748687.624	2082636.265	0	0.5	Lithium	18	0.55	11.55	20400	N/A	mg/kg
	BZ36-002	748687.624	2082636.265	0.5	2.5	Naphthalene	9.9	5.72	N/A	3090000	N/A	ug/kg
	BZ36-002	748687.624	2082636.265	0	0.5	Nickel	21	0.22	14.91	20400	N/A	mg/kg
	BZ36-002	748687.624	2082636.265	0	0.5	Uranium, Total	13.28	4.07	5.98	2750	67.8	mg/kg
	BZ36-002	748687.624	2082636.265	0.5	2.5	Uranium, Total	9.91	4.78	3.04	2750	67.8	mg/kg
	BZ36-002	748687.624	2082636.265	2.5	4.5	Uranium, Total	10.16	4.4	3.04	2750	67.8	mg/kg
	BZ36-002	748687.624	2082636.265	0	0.5	Uranium-234	5.51	1.69	2.25	300	1800	pCi/g
	BZ36-002	748687.624	2082636.265	0.5	2.5	Uranium-234	3.34	1.61	2.64	300	1800	pCi/g
	BZ36-002	748687.624	2082636.265	2.5	4.5	Uranium-234	4.22	1.83	2.64	300	1800	pCi/g
	BZ36-002	748687.624	2082636.265	0	0.5	Uranium-235	0.26	0.13	0.09	8	1900	pCi/g
	BZ36-002	748687.624	2082636.265	2.5	4.5	Uranium-235	0.23	0.15	0.12	8	1900	pCi/g
	BZ36-002	748687.624	2082636.265	0	0.5	Uranium-238	5.51	1.69	2	351	1600	pCi/g
	BZ36-002	748687.624	2082636.265	0.5	2.5	Uranium-238	3.34	1.61	1.49	351	1600	pCi/g
	BZ36-002	748687.624	2082636.265	2.5	4.5	Uranium-238	4.22	1.83	1.49	351	1600	pCi/g
	BZ36-002	748687.624	2082636.265	0	0.5	Vanadium	59	0.53	45.59	7150	433	mg/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Aluminum	61000	5.4	16902	228000	N/A	mg/kg
	BZ37-000	748843.601	2082653.285	0.5	2.5	Aluminum	46000	5.6	35373.17	228000	N/A	mg/kg
	BZ37-000	748843.601	2082653.285	2.5	4.5	Aluminum	46000	5.8	35373.17	228000	N/A	mg/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Arsenic	20	0.9	10.09	22.2	21.6	mg/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Barium	160	0.41	141.26	26400	N/A	mg/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Beryllium	2.7	0.11	0.97	921	2.15	mg/kg
	BZ37-000	748843.601	2082653.285	2.5	4.5	Beryllium	3.3	0.12	14.2	921	2.15	mg/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Chromium	52	0.17	16.99	268	N/A	mg/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Copper	19	0.05	18.06	40900	N/A	mg/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Iron	35000	1.6	18037	307000	N/A	mg/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Lithium	50	0.54	11.55	20400	N/A	mg/kg
	BZ37-000	748843.601	2082653.285	0.5	2.5	Naphthalene	1.3	6.13	N/A	3090000	N/A	ug/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Nickel	47	0.22	14.91	20400	N/A	mg/kg
	BZ37-000	748843.601	2082653.285	0	0.5	Uranium, Total	18.38	4.46	5.98	2750	67.8	mg/kg
	BZ37-000	748843.601	2082653.285	0.5	2.5	Uranium, Total	9.71	4.54	3.04	2750	67.8	mg/kg
	BZ37-000	748843.601	2082653.285	2.5	4.5	Uranium, Total	15.18	4.57	3.04	2750	67.8	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BZ37-000	748843.601	2082653.285		0	0.5	Uranium-234	7.4	1.79	2.25	300	1800	pCi/g
BZ37-000	748843.601	2082653.285		0.5	2.5	Uranium-234	3.87	1.81	2.64	300	1800	pCi/g
BZ37-000	748843.601	2082653.285		2.5	4.5	Uranium-234	6.55	1.97	2.64	300	1800	pCi/g
BZ37-000	748843.601	2082653.285		0	0.5	Uranium-235	0.22	0.17	0.09	8	1900	pCi/g
BZ37-000	748843.601	2082653.285		0.5	2.5	Uranium-235	0.17	0.13	0.12	8	1900	pCi/g
BZ37-000	748843.601	2082653.285		0	0.5	Uranium-238	7.4	1.79	2	351	1600	pCi/g
BZ37-000	748843.601	2082653.285		0.5	2.5	Uranium-238	3.87	1.81	1.49	351	1600	pCi/g
BZ37-000	748843.601	2082653.285		2.5	4.5	Uranium-238	6.55	1.97	1.49	351	1600	pCi/g
BZ37-000	748843.601	2082653.285		0	0.5	Vanadium	110	0.52	45.59	7150	433	mg/kg
BZ37-001	748812.329	2082635.466		0.5	2.5	Acetone	18	137	N/A	102000000	211000	ug/kg
BZ37-001	748812.329	2082635.466		0	0.5	Aluminum	20000	4.9	16902	228000	N/A	mg/kg
BZ37-001	748812.329	2082635.466		0.5	2.5	Aluminum	47000	5.7	35373.17	228000	N/A	mg/kg
BZ37-001	748812.329	2082635.466		0	0.5	Beryllium	1	0.1	0.97	921	2.15	mg/kg
BZ37-001	748812.329	2082635.466		0	0.5	Chromium	130	0.15	16.99	268	N/A	mg/kg
BZ37-001	748812.329	2082635.466		0	0.5	Copper	24	0.05	18.06	40900	N/A	mg/kg
BZ37-001	748812.329	2082635.466		0	0.5	Lithium	23	0.49	11.55	20400	N/A	mg/kg
BZ37-001	748812.329	2082635.466		0.5	2.5	Lithium	59	0.57	34.66	20400	N/A	mg/kg
BZ37-001	748812.329	2082635.466		0	0.5	Nickel	15	0.2	14.91	20400	N/A	mg/kg
BZ37-001	748812.329	2082635.466		0	0.5	Uranium, Total	14.32	4.48	5.98	2750	67.8	mg/kg
BZ37-001	748812.329	2082635.466		0.5	2.5	Uranium, Total	10.87	4.4	3.04	2750	67.8	mg/kg
BZ37-001	748812.329	2082635.466		2.5	4.5	Uranium, Total	14.24	4.91	3.04	2750	67.8	mg/kg
BZ37-001	748812.329	2082635.466		0	0.5	Uranium-234	5.4	1.69	2.25	300	1800	pCi/g
BZ37-001	748812.329	2082635.466		0.5	2.5	Uranium-234	4.61	1.86	2.64	300	1800	pCi/g
BZ37-001	748812.329	2082635.466		2.5	4.5	Uranium-234	4.79	1.65	2.64	300	1800	pCi/g
BZ37-001	748812.329	2082635.466		0	0.5	Uranium-235	0.23	0.13	0.09	8	1900	pCi/g
BZ37-001	748812.329	2082635.466		0.5	2.5	Uranium-235	0.19	0.15	0.12	8	1900	pCi/g
BZ37-001	748812.329	2082635.466		2.5	4.5	Uranium-235	0.21	0.13	0.12	8	1900	pCi/g
BZ37-001	748812.329	2082635.466		0	0.5	Uranium-238	5.4	1.69	2	351	1600	pCi/g
BZ37-001	748812.329	2082635.466		0.5	2.5	Uranium-238	4.61	1.86	1.49	351	1600	pCi/g
BZ37-001	748812.329	2082635.466		2.5	4.5	Uranium-238	4.79	1.65	1.49	351	1600	pCi/g
BZ37-001	748812.329	2082635.466		0	0.5	Zinc	79	0.46	73.76	307000	N/A	mg/kg
BZ37-002	748781.248	2082653.648		0.5	2.5	Aluminum	38000	5.1	35373.17	228000	N/A	mg/kg
BZ37-002	748781.248	2082653.648		0	0.5	Chromium	26	0.15	16.99	268	N/A	mg/kg
BZ37-002	748781.248	2082653.648		0.5	2.5	Lithium	47	0.51	34.66	20400	N/A	mg/kg
BZ37-002	748781.248	2082653.648		0	0.5	Uranium, Total	10.84	4.24	5.98	2750	67.8	mg/kg
BZ37-002	748781.248	2082653.648		0.5	2.5	Uranium, Total	25.22	4.81	3.04	2750	67.8	mg/kg
BZ37-002	748781.248	2082653.648		2.5	4.5	Uranium, Total	10.75	3.92	3.04	2750	67.8	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BZ37-002	BZ37-002	748781.248	2082653.648	0	0.5	Uranium-234	3.65	1.43	2.25	300	1800	pCi/g
	BZ37-002	748781.248	2082653.648	0.5	2.5	Uranium-234	9.57	1.83	2.64	300	1800	pCi/g
	BZ37-002	748781.248	2082653.648	2.5	4.5	Uranium-234	4.13	1.51	2.64	300	1800	pCi/g
	BZ37-002	748781.248	2082653.648	0	0.5	Uranium-235	0.22	0.11	0.09	8	1900	pCi/g
	BZ37-002	748781.248	2082653.648	2.5	4.5	Uranium-235	0.19	0.12	0.12	8	1900	pCi/g
	BZ37-002	748781.248	2082653.648	0	0.5	Uranium-238	3.65	1.43	2	351	1600	pCi/g
	BZ37-002	748781.248	2082653.648	0.5	2.5	Uranium-238	9.57	1.83	1.49	351	1600	pCi/g
	BZ37-002	748781.248	2082653.648	2.5	4.5	Uranium-238	4.13	1.51	1.49	351	1600	pCi/g
IHSS 182	BX36-001	748725.092	2082193.209	0	0.5	Acetone	76	110	N/A	102000000	211000	ug/kg
	BX36-001	748725.092	2082193.209	0.5	2.5	Acetone	37	124	N/A	102000000	211000	ug/kg
	BX36-001	748725.092	2082193.209	0	0.5	Naphthalene	573	26.1	N/A	3090000	N/A	ug/kg
	BX36-001	748725.092	2082193.209	0.5	2.5	Naphthalene	261	6.2	N/A	3090000	N/A	ug/kg
	BX36-001	748725.092	2082193.209	0	0.5	Uranium, Total	10.42	4.51	5.98	2750	67.8	mg/kg
	BX36-001	748725.092	2082193.209	0.5	2.5	Uranium, Total	4.4	2.49	3.04	2750	67.8	mg/kg
	BX36-001	748725.092	2082193.209	0	0.5	Uranium-234	3.92	1.7	2.25	300	1800	pCi/g
	BX36-001	748725.092	2082193.209	0	0.5	Uranium-235	0.22	0.16	0.09	8	1900	pCi/g
	BX36-001	748725.092	2082193.209	0.5	2.5	Uranium-235	0.14	0.11	0.12	8	1900	pCi/g
	BX36-001	748725.092	2082193.209	0	0.5	Uranium-238	3.92	1.7	2	351	1600	pCi/g
	BX36-001	748725.092	2082193.209	0.5	2.5	Uranium-238	1.74	0.99	1.49	351	1600	pCi/g
	BX36-002	748756.917	2082184.786	0	0.5	Acetone	57	102	N/A	102000000	211000	ug/kg
	BX36-002	748756.917	2082184.786	0.5	2.5	Acetone	47	105	N/A	102000000	211000	ug/kg
	BX36-002	748756.917	2082184.786	0	0.5	Ethylbenzene	2	5.09	N/A	4250000	N/A	ug/kg
	BX36-002	748756.917	2082184.786	0.5	2.5	Ethylbenzene	4.3	5.23	N/A	4250000	N/A	ug/kg
	BX36-002	748756.917	2082184.786	0	0.5	Tetrachloroethene	3.3	5.09	N/A	615000	37500	ug/kg
	BX36-002	748756.917	2082184.786	0.5	2.5	Tetrachloroethene	5.29	5.23	N/A	615000	37500	ug/kg
	BX36-002	748756.917	2082184.786	0	0.5	Toluene	3.1	5.09	N/A	31300000	128000	ug/kg
	BX36-002	748756.917	2082184.786	0.5	2.5	Toluene	5.31	5.23	N/A	31300000	128000	ug/kg
	BX36-002	748756.917	2082184.786	0	0.5	Uranium, Total	12.11	4.23	5.98	2750	67.8	mg/kg
	BX36-002	748756.917	2082184.786	0.5	2.5	Uranium, Total	10.31	4.84	3.04	2750	67.8	mg/kg
	BX36-002	748756.917	2082184.786	0	0.5	Uranium-234	4.08	1.43	2.25	300	1800	pCi/g
	BX36-002	748756.917	2082184.786	0.5	2.5	Uranium-234	3.88	1.82	2.64	300	1800	pCi/g
	BX36-002	748756.917	2082184.786	0	0.5	Uranium-235	0.2	0.11	0.09	8	1900	pCi/g
	BX36-002	748756.917	2082184.786	0.5	2.5	Uranium-235	0.17	0.11	0.12	8	1900	pCi/g
	BX36-002	748756.917	2082184.786	0	0.5	Uranium-238	4.08	1.43	2	351	1600	pCi/g
	BX36-002	748756.917	2082184.786	0.5	2.5	Uranium-238	3.88	1.82	1.49	351	1600	pCi/g
	BX36-002	748756.917	2082184.786	0	0.5	Xylene	19.2	10.2	N/A	2040000	N/A	ug/kg
	BX36-002	748756.917	2082184.786	0.5	2.5	Xylene	21.2	10.5	N/A	2040000	N/A	ug/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-003	748756.819	2082151.125	0	0.5	1,1,1-Trichloroethane	17	1	N/A	79700000	N/A	ug/kg
	BX36-003	748756.819	2082151.125	0	0.5	2-Butanone	66	4.8	N/A	192000000	433000	ug/kg
	BX36-003	748756.819	2082151.125	0.5	2.5	2-Butanone	13	5.8	N/A	192000000	433000	ug/kg
	BX36-003	748756.819	2082151.125	0	0.5	4-Methyl-2-pentanone	9.2	4	N/A	16400000	N/A	ug/kg
	BX36-003	748756.819	2082151.125	0	0.5	Acetone	1300	23	N/A	102000000	211000	ug/kg
	BX36-003	748756.819	2082151.125	0.5	2.5	Acetone	85	5.6	N/A	102000000	211000	ug/kg
	BX36-003	748756.819	2082151.125	0	0.5	Chromium	23	0.14	16.99	268	N/A	mg/kg
	BX36-003	748756.819	2082151.125	0	0.5	Copper	260	0.04	18.06	40900	N/A	mg/kg
	BX36-003	748756.819	2082151.125	0	0.5	Ethylbenzene	110	1.2	N/A	4250000	N/A	ug/kg
	BX36-003	748756.819	2082151.125	0	0.5	Iron	24000	1.3	18037	307000	N/A	mg/kg
	BX36-003	748756.819	2082151.125	0	0.5	Lithium	14	0.46	11.55	20400	N/A	mg/kg
	BX36-003	748756.819	2082151.125	0	0.5	Manganese	420	0.16	365.08	3480	N/A	mg/kg
	BX36-003	748756.819	2082151.125	0	0.5	Methylene chloride	0.83	0.82	N/A	2530000	39500	ug/kg
	BX36-003	748756.819	2082151.125	0	0.5	Naphthalene	35	0.88	N/A	3090000	N/A	ug/kg
	BX36-003	748756.819	2082151.125	0.5	2.5	Naphthalene	11	1.1	N/A	3090000	N/A	ug/kg
	BX36-003	748756.819	2082151.125	0	0.5	Nickel	18	0.18	14.91	20400	N/A	mg/kg
	BX36-003	748756.819	2082151.125	0	0.5	Strontium	70	0.06	48.94	613000	N/A	mg/kg
	BX36-003	748756.819	2082151.125	0	0.5	Toluene	2.8	0.8	N/A	31300000	128000	ug/kg
	BX36-003	748756.819	2082151.125	0	0.5	Uranium, Total	21	1.3	5.98	2750	67.8	mg/kg
	BX36-003	748756.819	2082151.125	0.5	2.5	Uranium, Total	13.34	5.82	3.04	2750	67.8	mg/kg
	BX36-003	748756.819	2082151.125	0	0.5	Uranium-234	5.38	1.31	2.25	300	1800	pCi/g
	BX36-003	748756.819	2082151.125	0.5	2.5	Uranium-234	4.49	1.96	2.64	300	1800	pCi/g
	BX36-003	748756.819	2082151.125	0	0.5	Uranium-235	0.19	0.15	0.09	8	1900	pCi/g
	BX36-003	748756.819	2082151.125	0.5	2.5	Uranium-235	0.25	0.15	0.12	8	1900	pCi/g
	BX36-003	748756.819	2082151.125	0	0.5	Uranium-238	5.38	1.31	2	351	1600	pCi/g
	BX36-003	748756.819	2082151.125	0.5	2.5	Uranium-238	4.49	1.96	1.49	351	1600	pCi/g
	BX36-003	748756.819	2082151.125	0	0.5	Vanadium	56	0.44	45.59	7150	433	mg/kg
	BX36-003	748756.819	2082151.125	0	0.5	Xylene	540	14	N/A	2040000	N/A	ug/kg
	BX36-003	748756.819	2082151.125	0	0.5	Zinc	200	0.43	73.76	307000	N/A	mg/kg
	BX36-004	748705.56	2082145.068	0	0.5	Acetone	124	109	N/A	102000000	211000	ug/kg
	BX36-004	748705.56	2082145.068	0	0.5	Aluminum	26000	4.9	16902	228000	N/A	mg/kg
	BX36-004	748705.56	2082145.068	0	0.5	Beryllium	1.3	0.1	0.97	921	2.15	mg/kg
	BX36-004	748705.56	2082145.068	0	0.5	Chromium	18	0.15	16.99	268	N/A	mg/kg
	BX36-004	748705.56	2082145.068	0	0.5	Iron	19000	1.4	18037	307000	N/A	mg/kg
	BX36-004	748705.56	2082145.068	0	0.5	Lithium	15	0.49	11.55	20400	N/A	mg/kg
	BX36-004	748705.56	2082145.068	0	0.5	Naphthalene	2.6	5.43	N/A	3090000	N/A	ug/kg
	BX36-004	748705.56	2082145.068	0	0.5	Nickel	17	0.2	14.91	20400	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-004	748705.56	2082145.068	0.5	2.5	Uranium, Total	8.64	3.98	3.04	2750	67.8	mg/kg
	BX36-004	748705.56	2082145.068	0.5	2.5	Uranium-234	3.27	1.51	2.64	300	1800	pCi/g
	BX36-004	748705.56	2082145.068	0	0.5	Uranium-235	0.14	0.12	0.09	8	1900	pCi/g
	BX36-004	748705.56	2082145.068	0.5	2.5	Uranium-235	0.19	0.13	0.12	8	1900	pCi/g
	BX36-004	748705.56	2082145.068	0.5	2.5	Uranium-238	3.27	1.51	1.49	351	1600	pCi/g
	BX36-005	748736.113	2082183.741	0.5	2.5	1,1,1-Trichloroethane	5.4	1	N/A	79700000	N/A	ug/kg
	BX36-005	748736.113	2082183.741	0	0.5	Beryllium	1	0.1	0.97	921	2.15	mg/kg
	BX36-005	748736.113	2082183.741	0	0.5	Cobalt	13	0.18	10.91	1550	N/A	mg/kg
	BX36-005	748736.113	2082183.741	0	0.5	Copper	28	0.04	18.06	40900	N/A	mg/kg
	BX36-005	748736.113	2082183.741	0	0.5	Methylene chloride	0.86	0.83	N/A	2530000	39500	ug/kg
	BX36-005	748736.113	2082183.741	0.5	2.5	Methylene chloride	0.9	0.84	N/A	2530000	39500	ug/kg
	BX36-005	748736.113	2082183.741	0	0.5	Toluene	1.6	5.18	N/A	31300000	128000	ug/kg
	BX36-005	748736.113	2082183.741	0	0.5	Uranium, Total	14.4	5.05	5.98	2750	67.8	mg/kg
	BX36-005	748736.113	2082183.741	0.5	2.5	Uranium, Total	9.56	4.87	3.04	2750	67.8	mg/kg
	BX36-005	748736.113	2082183.741	0	0.5	Uranium-234	5.12	1.8	2.25	300	1800	pCi/g
	BX36-005	748736.113	2082183.741	0.5	2.5	Uranium-234	3.42	1.74	2.64	300	1800	pCi/g
	BX36-005	748736.113	2082183.741	0	0.5	Uranium-235	0.24	0.13	0.09	8	1900	pCi/g
	BX36-005	748736.113	2082183.741	0.5	2.5	Uranium-235	0.26	0.25	0.12	8	1900	pCi/g
	BX36-005	748736.113	2082183.741	0	0.5	Uranium-238	2.44	0.09	2	351	1600	pCi/g
	BX36-005	748736.113	2082183.741	0.5	2.5	Uranium-238	3.42	1.74	1.49	351	1600	pCi/g
	BX36-005	748736.113	2082183.741	0	0.5	Vanadium	62	0.45	45.59	7150	433	mg/kg
	BX36-005	748736.113	2082183.741	0	0.5	Zinc	98	0.44	73.76	307000	N/A	mg/kg
	BX36-006	748703.123	2082174.545	0	0.5	Acetone	75	108	N/A	102000000	211000	ug/kg
	BX36-006	748703.123	2082174.545	0	0.5	Aluminum	27000	5.2	16902	228000	N/A	mg/kg
	BX36-006	748703.123	2082174.545	0	0.5	Beryllium	1.3	0.11	0.97	921	2.15	mg/kg
	BX36-006	748703.123	2082174.545	0	0.5	Iron	19000	1.5	18037	307000	N/A	mg/kg
	BX36-006	748703.123	2082174.545	0	0.5	Lithium	16	0.52	11.55	20400	N/A	mg/kg
	BX36-006	748703.123	2082174.545	0	0.5	Naphthalene	20.4	5.39	N/A	3090000	N/A	ug/kg
	BX36-006	748703.123	2082174.545	0	0.5	Nickel	18	0.21	14.91	20400	N/A	mg/kg
	BX36-006	748703.123	2082174.545	0	0.5	Uranium, Total	11.44	4.46	5.98	2750	67.8	mg/kg
	BX36-006	748703.123	2082174.545	0.5	2.5	Uranium, Total	4.93	3.24	3.04	2750	67.8	mg/kg
	BX36-006	748703.123	2082174.545	0	0.5	Uranium-234	3.85	1.5	2.25	300	1800	pCi/g
	BX36-006	748703.123	2082174.545	0	0.5	Uranium-235	0.22	0.13	0.09	8	1900	pCi/g
	BX36-006	748703.123	2082174.545	0	0.5	Uranium-238	3.85	1.5	2	351	1600	pCi/g
	BX36-006	748703.123	2082174.545	0.5	2.5	Uranium-238	1.81	1.19	1.49	351	1600	pCi/g
	BX36-007	748723.968	2082150.566	0	0.5	Acetone	99	105	N/A	102000000	211000	ug/kg
	BX36-007	748723.968	2082150.566	0	0.5	Aluminum	35000	5.2	16902	228000	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BX36-007	BX36-007	748723.968	2082150.566	0	0.5	Arsenic	14	0.86	10.09	22.2	21.6	mg/kg
	BX36-007	748723.968	2082150.566	0	0.5	Beryllium	1.8	0.11	0.97	921	2.15	mg/kg
	BX36-007	748723.968	2082150.566	0	0.5	Chromium	28	0.16	16.99	268	N/A	mg/kg
	BX36-007	748723.968	2082150.566	0	0.5	Iron	23000	1.5	18037	307000	N/A	mg/kg
	BX36-007	748723.968	2082150.566	0	0.5	Lithium	22	0.52	11.55	20400	N/A	mg/kg
	BX36-007	748723.968	2082150.566	0	0.5	Naphthalene	2.7	5.25	N/A	3090000	N/A	ug/kg
	BX36-007	748723.968	2082150.566	0.5	2.5	Naphthalene	79.4	6.4	N/A	3090000	N/A	ug/kg
	BX36-007	748723.968	2082150.566	0	0.5	Nickel	30	0.21	14.91	20400	N/A	mg/kg
	BX36-007	748723.968	2082150.566	0.5	2.5	Tetrachloroethene	7.21	6.4	N/A	615000	37500	ug/kg
	BX36-007	748723.968	2082150.566	0.5	2.5	Trichloroethene	3.2	6.4	N/A	19600	509000	ug/kg
	BX36-007	748723.968	2082150.566	0	0.5	Uranium, Total	11.63	5.3	5.98	2750	67.8	mg/kg
	BX36-007	748723.968	2082150.566	0.5	2.5	Uranium, Total	3.68	3.12	3.04	2750	67.8	mg/kg
	BX36-007	748723.968	2082150.566	0	0.5	Uranium-234	3.92	1.78	2.25	300	1800	pCi/g
	BX36-007	748723.968	2082150.566	0	0.5	Uranium-235	0.18	0.12	0.09	8	1900	pCi/g
	BX36-007	748723.968	2082150.566	0	0.5	Uranium-238	3.92	1.78	2	351	1600	pCi/g
	BX36-007	748723.968	2082150.566	0.5	2.5	Uranium-238	1.52	1.28	1.49	351	1600	pCi/g
	BX36-007	748723.968	2082150.566	0	0.5	Vanadium	64	0.49	45.59	7150	433	mg/kg
IHSS 207	BZ36-003	748755.992	2082539.154	0	0.5	Aluminum	26000	5.3	16902	228000	N/A	mg/kg
	BZ36-003	748755.992	2082539.154	0	0.5	Barium	190	0.4	141.26	26400	N/A	mg/kg
	BZ36-003	748755.992	2082539.154	0	0.5	Beryllium	1.1	0.11	0.97	921	2.15	mg/kg
	BZ36-003	748755.992	2082539.154	0	0.5	Chromium	30	0.17	16.99	268	N/A	mg/kg
	BZ36-003	748755.992	2082539.154	0	0.5	Iron	23000	1.5	18037	307000	N/A	mg/kg
	BZ36-003	748755.992	2082539.154	0	0.5	Lithium	18	0.53	11.55	20400	N/A	mg/kg
	BZ36-003	748755.992	2082539.154	0	0.5	Nickel	20	0.21	14.91	20400	N/A	mg/kg
	BZ36-003	748755.992	2082539.154	0	0.5	Strontium	65	0.06	48.94	613000	N/A	mg/kg
	BZ36-003	748755.992	2082539.154	0	0.5	Uranium, Total	10.57	4.43	5.98	2750	67.8	mg/kg
	BZ36-003	748755.992	2082539.154	0.5	2.5	Uranium, Total	9.89	4.54	3.04	2750	67.8	mg/kg
	BZ36-003	748755.992	2082539.154	0	0.5	Uranium-234	4.22	1.77	2.25	300	1800	pCi/g
	BZ36-003	748755.992	2082539.154	0.5	2.5	Uranium-234	3.79	1.74	2.64	300	1800	pCi/g
	BZ36-003	748755.992	2082539.154	0	0.5	Uranium-235	0.24	0.14	0.09	8	1900	pCi/g
	BZ36-003	748755.992	2082539.154	0.5	2.5	Uranium-235	0.23	0.16	0.12	8	1900	pCi/g
	BZ36-003	748755.992	2082539.154	0	0.5	Uranium-238	4.22	1.77	2	351	1600	pCi/g
	BZ36-003	748755.992	2082539.154	0.5	2.5	Uranium-238	3.79	1.74	1.49	351	1600	pCi/g
	BZ36-003	748755.992	2082539.154	0	0.5	Vanadium	60	0.51	45.59	7150	433	mg/kg
	BZ36-004	748733.234	2082570.104	0.5	2.5	Aluminum	39000	5	35373.17	228000	N/A	mg/kg
	BZ36-004	748733.234	2082570.104	0	0.5	Uranium-235	0.22	0.13	0.09	8	1900	pCi/g
	BZ36-005	748759.251	2082576.9	0	0.5	Cobalt	28	0.18	10.91	1550	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BZ36	BZ36-005	748759.251	2082576.9	0	0.5	Copper	82	0.04	18.06	40900	N/A	mg/kg
	BZ36-005	748759.251	2082576.9	0	0.5	Tin	9.4	0.82	2.9	613000	N/A	mg/kg
	BZ36-005	748759.251	2082576.9	0	0.5	Uranium, Total	13.34	5.38	5.98	2750	67.8	mg/kg
	BZ36-005	748759.251	2082576.9	0	0.5	Uranium-234	4.91	1.98	2.25	300	1800	pCi/g
	BZ36-005	748759.251	2082576.9	0	0.5	Uranium-235	0.26	0.15	0.09	8	1900	pCi/g
	BZ36-005	748759.251	2082576.9	0	0.5	Uranium-238	4.91	1.98	2	351	1600	pCi/g
IHSS 208	BW36-007	748646.078	2082115.803	0.5	2.5	1,2,4-Trichlorobenzene	1.1	0.83	N/A	9230000	N/A	ug/kg
	BW36-007	748646.078	2082115.803	0	0.5	Acetone	9.6	5	N/A	102000000	211000	ug/kg
	BW36-007	748646.078	2082115.803	0	0.5	Aluminum	24000	4.9	16902	228000	N/A	mg/kg
	BW36-007	748646.078	2082115.803	0	0.5	Antimony	0.49	0.28	0.47	409	N/A	mg/kg
	BW36-007	748646.078	2082115.803	0	0.5	Beryllium	1.3	0.1	0.97	921	2.15	mg/kg
	BW36-007	748646.078	2082115.803	0	0.5	Chromium	19	0.15	16.99	268	N/A	mg/kg
	BW36-007	748646.078	2082115.803	0	0.5	Iron	22000	1.4	18037	307000	N/A	mg/kg
	BW36-007	748646.078	2082115.803	0	0.5	Lithium	14	0.49	11.55	20400	N/A	mg/kg
	BW36-007	748646.078	2082115.803	0.5	2.5	Naphthalene	4.3	1	N/A	3090000	N/A	ug/kg
	BW36-007	748646.078	2082115.803	0	0.5	Nickel	20	0.2	14.91	20400	N/A	mg/kg
	BW36-007	748646.078	2082115.803	0.5	2.5	Uranium, Total	12.85	4.51	3.04	2750	67.8	mg/kg
	BW36-007	748646.078	2082115.803	0.5	2.5	Uranium-234	4.33	1.52	2.64	300	1800	pCi/g
	BW36-007	748646.078	2082115.803	0.5	2.5	Uranium-235	0.2	0.12	0.12	8	1900	pCi/g
	BW36-007	748646.078	2082115.803	0.5	2.5	Uranium-238	4.33	1.52	1.49	351	1600	pCi/g
	BW36-007	748646.078	2082115.803	0	0.5	Vanadium	54	0.47	45.59	7150	433	mg/kg
	BW36-009	748621.893	2082123.026	0	0.5	Acetone	15	4.8	N/A	102000000	211000	ug/kg
	BW36-009	748621.893	2082123.026	0.5	2.5	Methylene chloride	1	0.93	N/A	2530000	39500	ug/kg
	BW36-009	748621.893	2082123.026	0.5	2.5	Toluene	1.5	0.91	N/A	31300000	128000	ug/kg
	BW36-009	748621.893	2082123.026	0.5	2.5	Uranium, Total	5.38	5.07	3.04	2750	67.8	mg/kg
	BW36-009	748621.893	2082123.026	0	0.5	Uranium-235	0.11	0.11	0.09	8	1900	pCi/g
	BW36-009	748621.893	2082123.026	0.5	2.5	Uranium-235	0.14	0.14	0.12	8	1900	pCi/g
	BW36-009	748621.893	2082123.026	0.5	2.5	Uranium-238	1.81	1.71	1.49	351	1600	pCi/g
OPWL Leak (P-5-1)	BY37-000	748949.82	2082386.21	4.5	6.5	Acetone	15	116	N/A	102000000	211000	ug/kg
	BY37-000	748949.82	2082386.21	6.5	8.5	Acetone	16	121	N/A	102000000	211000	ug/kg
	BY37-000	748949.82	2082386.21	2.5	4.5	Uranium, Total	10.66	4.72	3.04	2750	67.8	mg/kg
	BY37-000	748949.82	2082386.21	4.5	6.5	Uranium, Total	11.46	4.66	3.04	2750	67.8	mg/kg
	BY37-000	748949.82	2082386.21	6.5	8.5	Uranium, Total	5	1.5	3.04	2750	67.8	mg/kg
	BY37-000	748949.82	2082386.21	2.5	4.5	Uranium-234	4.31	1.91	2.64	300	1800	pCi/g
	BY37-000	748949.82	2082386.21	4.5	6.5	Uranium-234	4.36	1.77	2.64	300	1800	pCi/g
	BY37-000	748949.82	2082386.21	6.5	8.5	Uranium-234	3.44	1.81	2.64	300	1800	pCi/g
	BY37-000	748949.82	2082386.21	2.5	4.5	Uranium-235	0.23	0.13	0.12	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BY37 (P-5-2)	BY37-000	748949.82	2082386.21	4.5	6.5	Uranium-235	0.23	0.13	0.12	8	1900	pCi/g
	BY37-000	748949.82	2082386.21	6.5	8.5	Uranium-235	0.22	0.15	0.12	8	1900	pCi/g
	BY37-000	748949.82	2082386.21	2.5	4.5	Uranium-238	4.31	1.91	1.49	351	1600	pCi/g
	BY37-000	748949.82	2082386.21	4.5	6.5	Uranium-238	4.36	1.77	1.49	351	1600	pCi/g
	BY37-000	748949.82	2082386.21	6.5	8.5	Uranium-238	3.44	1.81	1.49	351	1600	pCi/g
OPWL Leak (P-5-2)	BX37-000	748911.267	2082331.807	2.5	4.5	Acetone	16	113	N/A	102000000	211000	ug/kg
	BX37-000	748911.267	2082331.807	4.5	6.5	Aluminum	36000	5.3	35373.17	228000	N/A	mg/kg
	BX37-000	748911.267	2082331.807	2.5	4.5	Naphthalene	1.1	5.67	N/A	3090000	N/A	ug/kg
	BX37-000	748911.267	2082331.807	2.5	4.5	Uranium, Total	13.53	4.83	3.04	2750	67.8	mg/kg
	BX37-000	748911.267	2082331.807	4.5	6.5	Uranium, Total	9.89	4.34	3.04	2750	67.8	mg/kg
	BX37-000	748911.267	2082331.807	6.5	8.5	Uranium, Total	11.2	5.01	3.04	2750	67.8	mg/kg
	BX37-000	748911.267	2082331.807	2.5	4.5	Uranium-234	4.55	1.63	2.64	300	1800	pCi/g
	BX37-000	748911.267	2082331.807	4.5	6.5	Uranium-234	3.96	1.74	2.64	300	1800	pCi/g
	BX37-000	748911.267	2082331.807	6.5	8.5	Uranium-234	3.77	1.69	2.64	300	1800	pCi/g
	BX37-000	748911.267	2082331.807	2.5	4.5	Uranium-235	0.21	0.13	0.12	8	1900	pCi/g
	BX37-000	748911.267	2082331.807	4.5	6.5	Uranium-235	0.24	0.14	0.12	8	1900	pCi/g
	BX37-000	748911.267	2082331.807	6.5	8.5	Uranium-235	0.18	0.11	0.12	8	1900	pCi/g
	BX37-000	748911.267	2082331.807	2.5	4.5	Uranium-238	4.55	1.63	1.49	351	1600	pCi/g
	BX37-000	748911.267	2082331.807	4.5	6.5	Uranium-238	3.96	1.74	1.49	351	1600	pCi/g
	BX37-000	748911.267	2082331.807	6.5	8.5	Uranium-238	3.77	1.69	1.49	351	1600	pCi/g
PAC 400-801	BW36-008	748619.494	2082065.569	0	0.5	Aluminum	33000	5.4	16902	228000	N/A	mg/kg
	BW36-008	748619.494	2082065.569	0	0.5	Beryllium	1.6	0.11	0.97	921	2.15	mg/kg
	BW36-008	748619.494	2082065.569	0	0.5	Chromium	19	0.17	16.99	268	N/A	mg/kg
	BW36-008	748619.494	2082065.569	0	0.5	Lithium	17	0.54	11.55	20400	N/A	mg/kg
	BW36-008	748619.494	2082065.569	0	0.5	Uranium, Total	9.89	4.69	5.98	2750	67.8	mg/kg
	BW36-008	748619.494	2082065.569	0.5	2.5	Uranium, Total	13	5.82	3.04	2750	67.8	mg/kg
	BW36-008	748619.494	2082065.569	0	0.5	Uranium-234	4.05	1.92	2.25	300	1800	pCi/g
	BW36-008	748619.494	2082065.569	0.5	2.5	Uranium-234	4.38	1.96	2.64	300	1800	pCi/g
	BW36-008	748619.494	2082065.569	0	0.5	Uranium-235	0.19	0.16	0.09	8	1900	pCi/g
	BW36-008	748619.494	2082065.569	0.5	2.5	Uranium-235	0.23	0.15	0.12	8	1900	pCi/g
	BW36-008	748619.494	2082065.569	0	0.5	Uranium-238	4.05	1.92	2	351	1600	pCi/g
	BW36-008	748619.494	2082065.569	0.5	2.5	Uranium-238	4.38	1.96	1.49	351	1600	pCi/g
	BW36-010	748606.279	2082053.828	0	0.5	Uranium, Total	10.16	4.34	5.98	2750	67.8	mg/kg
	BW36-010	748606.279	2082053.828	0.5	2.5	Uranium, Total	11.52	4.1	3.04	2750	67.8	mg/kg
	BW36-010	748606.279	2082053.828	0	0.5	Uranium-234	3.94	1.68	2.25	300	1800	pCi/g
	BW36-010	748606.279	2082053.828	0.5	2.5	Uranium-234	4.38	1.56	2.64	300	1800	pCi/g
	BW36-010	748606.279	2082053.828	0	0.5	Uranium-235	0.23	0.13	0.09	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BW36-010	BW36-010	748606.279	2082053.828	0.5	2.5	Uranium-235	0.21	0.13	0.12	8	1900	pCi/g
	BW36-010	748606.279	2082053.828	0	0.5	Uranium-238	3.94	1.68	2	351	1600	pCi/g
	BW36-010	748606.279	2082053.828	0.5	2.5	Uranium-238	4.38	1.56	1.49	351	1600	pCi/g
	BW36-011	748609.268	2082090.361	0	0.5	Uranium, Total	11.55	4.9	5.98	2750	67.8	mg/kg
	BW36-011	748609.268	2082090.361	0.5	2.5	Uranium, Total	14.42	5.05	3.04	2750	67.8	mg/kg
	BW36-011	748609.268	2082090.361	0	0.5	Uranium-234	4.09	1.74	2.25	300	1800	pCi/g
	BW36-011	748609.268	2082090.361	0.5	2.5	Uranium-234	4.86	1.7	2.64	300	1800	pCi/g
	BW36-011	748609.268	2082090.361	0	0.5	Uranium-235	0.2	0.15	0.09	8	1900	pCi/g
	BW36-011	748609.268	2082090.361	0.5	2.5	Uranium-235	0.25	0.15	0.12	8	1900	pCi/g
	BW36-011	748609.268	2082090.361	0	0.5	Uranium-238	4.09	1.74	2	351	1600	pCi/g
	BW36-011	748609.268	2082090.361	0.5	2.5	Uranium-238	4.86	1.7	1.49	351	1600	pCi/g
PAC 400-810	BX35-000	748543.791	2082308.537	0	0.5	Uranium, Total	14.78	6.86	5.98	2750	67.8	mg/kg
	BX35-000	748543.791	2082308.537	0.5	2.5	Uranium, Total	12.5	5.32	3.04	2750	67.8	mg/kg
	BX35-000	748543.791	2082308.537	0	0.5	Uranium-234	4.98	2.31	2.25	300	1800	pCi/g
	BX35-000	748543.791	2082308.537	0.5	2.5	Uranium-234	4.83	2.05	2.64	300	1800	pCi/g
	BX35-000	748543.791	2082308.537	0	0.5	Uranium-235	0.26	0.16	0.09	8	1900	pCi/g
	BX35-000	748543.791	2082308.537	0.5	2.5	Uranium-235	0.25	0.16	0.12	8	1900	pCi/g
	BX35-000	748543.791	2082308.537	0	0.5	Uranium-238	4.98	2.31	2	351	1600	pCi/g
	BX35-000	748543.791	2082308.537	0.5	2.5	Uranium-238	4.83	2.05	1.49	351	1600	pCi/g
	BX36-000	748575.35	2082339.721	0.5	2.5	Barium	390	0.37	289.38	26400	N/A	mg/kg
	BX36-000	748575.35	2082339.721	0	0.5	Beryllium	1.1	0.11	0.97	921	2.15	mg/kg
	BX36-000	748575.35	2082339.721	0	0.5	Copper	21	0.05	18.06	40900	N/A	mg/kg
	BX36-000	748575.35	2082339.721	0	0.5	Strontium	72	0.06	48.94	613000	N/A	mg/kg
	BX36-000	748575.35	2082339.721	0	0.5	Uranium, Total	18.33	5.66	5.98	2750	67.8	mg/kg
	BX36-000	748575.35	2082339.721	0.5	2.5	Uranium, Total	11.64	5.55	3.04	2750	67.8	mg/kg
	BX36-000	748575.35	2082339.721	0	0.5	Uranium-234	6.17	1.91	2.25	300	1800	pCi/g
	BX36-000	748575.35	2082339.721	0.5	2.5	Uranium-234	3.92	1.87	2.64	300	1800	pCi/g
	BX36-000	748575.35	2082339.721	0	0.5	Uranium-235	0.27	0.16	0.09	8	1900	pCi/g
	BX36-000	748575.35	2082339.721	0.5	2.5	Uranium-235	0.26	0.16	0.12	8	1900	pCi/g
	BX36-000	748575.35	2082339.721	0	0.5	Uranium-238	6.17	1.91	2	351	1600	pCi/g
	BX36-000	748575.35	2082339.721	0.5	2.5	Uranium-238	3.92	1.87	1.49	351	1600	pCi/g
	BX36-000	748575.35	2082339.721	0	0.5	Zinc	82	0.5	73.76	307000	N/A	mg/kg
BY35-000-01	748486.335	2082528.257	0.5	2.5	Cobalt	30	0.2	29.04	1550	N/A	mg/kg	
BY35-000-01	748486.335	2082528.257	0	0.5	Uranium, Total	11.54	4.43	5.98	2750	67.8	mg/kg	
BY35-000-01	748486.335	2082528.257	0.5	2.5	Uranium, Total	8.35	5.17	3.04	2750	67.8	mg/kg	
BY35-000-01	748486.335	2082528.257	0	0.5	Uranium-234	3.89	1.49	2.25	300	1800	pCi/g	
BY35-000-01	748486.335	2082528.257	0.5	2.5	Uranium-234	3.37	2.09	2.64	300	1800	pCi/g	

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY35-000-01	748486.335	2082528.257	0	0.5	Uranium-235	0.19	0.12	0.09	8	1900	pCi/g
	BY35-000-01	748486.335	2082528.257	0.5	2.5	Uranium-235	0.27	0.14	0.12	8	1900	pCi/g
	BY35-000-01	748486.335	2082528.257	0	0.5	Uranium-238	3.89	1.49	2	351	1600	pCi/g
	BY35-000-01	748486.335	2082528.257	0.5	2.5	Uranium-238	3.37	2.09	1.49	351	1600	pCi/g
	BY35-001-01	748504.95	2082364.031	0	0.5	Aluminum	23000	4.8	16902	228000	N/A	mg/kg
	BY35-001-01	748504.95	2082364.031	0	0.5	Barium	150	0.36	141.26	26400	N/A	mg/kg
	BY35-001-01	748504.95	2082364.031	0	0.5	Beryllium	1.7	0.1	0.97	921	2.15	mg/kg
	BY35-001-01	748504.95	2082364.031	0.5	2.5	Beryllium	2.5	0.1	14.2	921	2.15	mg/kg
	BY35-001-01	748504.95	2082364.031	0	0.5	Copper	36	0.04	18.06	40900	N/A	mg/kg
	BY35-001-01	748504.95	2082364.031	0.5	2.5	Copper	49	0.04	38.21	40900	N/A	mg/kg
	BY35-001-01	748504.95	2082364.031	0	0.5	Lithium	24	0.48	11.55	20400	N/A	mg/kg
	BY35-001-01	748504.95	2082364.031	0	0.5	Manganese	440	0.17	365.08	3480	N/A	mg/kg
	BY35-001-01	748504.95	2082364.031	0	0.5	Uranium, Total	11.08	4.48	5.98	2750	67.8	mg/kg
	BY35-001-01	748504.95	2082364.031	0.5	2.5	Uranium, Total	3.21	0.54	3.04	2750	67.8	mg/kg
	BY35-001-01	748504.95	2082364.031	0	0.5	Uranium-234	3.92	1.59	2.25	300	1800	pCi/g
	BY35-001-01	748504.95	2082364.031	0.5	2.5	Uranium-234	4.68	1.72	2.64	300	1800	pCi/g
	BY35-001-01	748504.95	2082364.031	0	0.5	Uranium-235	0.19	0.1	0.09	8	1900	pCi/g
	BY35-001-01	748504.95	2082364.031	0.5	2.5	Uranium-235	0.25	0.16	0.12	8	1900	pCi/g
	BY35-001-01	748504.95	2082364.031	0	0.5	Uranium-238	3.92	1.59	2	351	1600	pCi/g
	BY35-001-01	748504.95	2082364.031	0.5	2.5	Uranium-238	4.68	1.72	1.49	351	1600	pCi/g
	BY35-001-01	748504.95	2082364.031	0	0.5	Zinc	360	0.44	73.76	307000	N/A	mg/kg
	BY35-001-01	748504.95	2082364.031	0.5	2.5	Zinc	160	0.43	139.1	307000	N/A	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Aluminum	22000	4.7	16902	228000	N/A	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Beryllium	1.5	0.1	0.97	921	2.15	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Chromium	28	0.15	16.99	268	N/A	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Copper	70	0.04	18.06	40900	N/A	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Iron	23000	1.4	18037	307000	N/A	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Lithium	25	0.47	11.55	20400	N/A	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Manganese	380	0.17	365.08	3480	N/A	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Nickel	23	0.19	14.91	20400	N/A	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Uranium, Total	10.57	5.05	5.98	2750	67.8	mg/kg
	BY35-002-01	748504.734	2082398.139	0.5	2.5	Uranium, Total	12.51	5.1	3.04	2750	67.8	mg/kg
	BY35-002-01	748504.734	2082398.139	0	0.5	Uranium-234	3.56	1.7	2.25	300	1800	pCi/g
	BY35-002-01	748504.734	2082398.139	0.5	2.5	Uranium-234	4.21	1.72	2.64	300	1800	pCi/g
	BY35-002-01	748504.734	2082398.139	0	0.5	Uranium-235	0.18	0.12	0.09	8	1900	pCi/g
	BY35-002-01	748504.734	2082398.139	0.5	2.5	Uranium-235	0.18	0.13	0.12	8	1900	pCi/g
	BY35-002-01	748504.734	2082398.139	0	0.5	Uranium-238	3.56	1.7	2	351	1600	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BY35-002-01	748504.734	2082398.139	0.5	2.5	Uranium-238	4.21	1.72	1.49	351	1600	pCi/g	
BY35-002-01	748504.734	2082398.139	0	0.5	Zinc	230	0.44	73.76	307000	N/A	mg/kg	
BY35-003-01	748472.199	2082432.237	0.5	2.5	Aluminum	50000	5.1	35373.17	228000	N/A	mg/kg	
BY35-003-01	748472.199	2082432.237	0.5	2.5	Arsenic	19	0.85	13.14	22.2	21.6	mg/kg	
BY35-003-01	748472.199	2082432.237	0.5	2.5	Beryllium	3.3	0.11	14.2	921	2.15	mg/kg	
BY35-003-01	748472.199	2082432.237	0	0.5	Uranium, Total	13.05	4.62	5.98	2750	67.8	mg/kg	
BY35-003-01	748472.199	2082432.237	0.5	2.5	Uranium, Total	11.08	4.43	3.04	2750	67.8	mg/kg	
BY35-003-01	748472.199	2082432.237	0	0.5	Uranium-234	4.39	1.55	2.25	300	1800	pCi/g	
BY35-003-01	748472.199	2082432.237	0.5	2.5	Uranium-234	4.49	1.79	2.64	300	1800	pCi/g	
BY35-003-01	748472.199	2082432.237	0	0.5	Uranium-235	0.24	0.11	0.09	8	1900	pCi/g	
BY35-003-01	748472.199	2082432.237	0.5	2.5	Uranium-235	0.24	0.14	0.12	8	1900	pCi/g	
BY35-003-01	748472.199	2082432.237	0	0.5	Uranium-238	4.39	1.55	2	351	1600	pCi/g	
BY35-003-01	748472.199	2082432.237	0.5	2.5	Uranium-238	4.49	1.79	1.49	351	1600	pCi/g	
BY35-003-01	748472.199	2082432.237	0.5	2.5	Vanadium	110	0.49	88.49	7150	433	mg/kg	
BY35-004	748471.492	2082467.47	0.5	2.5	Aluminum	66000	5.2	35373.17	228000	N/A	mg/kg	
BY35-004	748471.492	2082467.47	0.5	2.5	Beryllium	2.3	0.11	14.2	921	2.15	mg/kg	
BY35-004	748471.492	2082467.47	0.5	2.5	Cobalt	35	0.2	29.04	1550	N/A	mg/kg	
BY35-004	748471.492	2082467.47	0.5	2.5	Nickel	91	0.21	62.21	20400	N/A	mg/kg	
BY35-004	748471.492	2082467.47	0	0.5	Uranium, Total	12.55	4.06	5.98	2750	67.8	mg/kg	
BY35-004	748471.492	2082467.47	0.5	2.5	Uranium, Total	10.28	4.19	3.04	2750	67.8	mg/kg	
BY35-004	748471.492	2082467.47	0	0.5	Uranium-234	4.23	1.37	2.25	300	1800	pCi/g	
BY35-004	748471.492	2082467.47	0.5	2.5	Uranium-234	3.93	1.6	2.64	300	1800	pCi/g	
BY35-004	748471.492	2082467.47	0	0.5	Uranium-235	0.25	0.11	0.09	8	1900	pCi/g	
BY35-004	748471.492	2082467.47	0.5	2.5	Uranium-235	0.19	0.13	0.12	8	1900	pCi/g	
BY35-004	748471.492	2082467.47	0	0.5	Uranium-238	4.23	1.37	2	351	1600	pCi/g	
BY35-004	748471.492	2082467.47	0.5	2.5	Uranium-238	3.93	1.6	1.49	351	1600	pCi/g	
BY35-005	748470.718	2082344.458	0.5	2.5	Aluminum	51000	5.5	35373.17	228000	N/A	mg/kg	
BY35-005	748470.718	2082344.458	0.5	2.5	Arsenic	15	0.91	13.14	22.2	21.6	mg/kg	
BY35-005	748470.718	2082344.458	0.5	2.5	Beryllium	2.4	0.11	14.2	921	2.15	mg/kg	
BY35-005	748470.718	2082344.458	0	0.5	Uranium, Total	8.17	4.78	5.98	2750	67.8	mg/kg	
BY35-005	748470.718	2082344.458	0.5	2.5	Uranium, Total	9.03	4.28	3.04	2750	67.8	mg/kg	
BY35-005	748470.718	2082344.458	0	0.5	Uranium-234	2.98	1.75	2.25	300	1800	pCi/g	
BY35-005	748470.718	2082344.458	0.5	2.5	Uranium-234	3.46	1.64	2.64	300	1800	pCi/g	
BY35-005	748470.718	2082344.458	0	0.5	Uranium-235	0.16	0.13	0.09	8	1900	pCi/g	
BY35-005	748470.718	2082344.458	0.5	2.5	Uranium-235	0.23	0.14	0.12	8	1900	pCi/g	
BY35-005	748470.718	2082344.458	0	0.5	Uranium-238	2.98	1.75	2	351	1600	pCi/g	
BY35-005	748470.718	2082344.458	0.5	2.5	Uranium-238	3.46	1.64	1.49	351	1600	pCi/g	

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-001	748596.481	2082369.769	0	0.5	Arsenic	13	0.81	10.09	22.2	21.6	mg/kg
	BY36-001	748596.481	2082369.769	0.5	2.5	Arsenic	16	0.78	13.14	22.2	21.6	mg/kg
	BY36-001	748596.481	2082369.769	0	0.5	Cadmium	2.1	0.07	1.61	962	N/A	mg/kg
	BY36-001	748596.481	2082369.769	0	0.5	Copper	55	0.05	18.06	40900	N/A	mg/kg
	BY36-001	748596.481	2082369.769	0.5	2.5	Copper	55	0.04	38.21	40900	N/A	mg/kg
	BY36-001	748596.481	2082369.769	0	0.5	Iron	20000	1.4	18037	307000	N/A	mg/kg
	BY36-001	748596.481	2082369.769	0	0.5	Manganese	500	0.17	365.08	3480	N/A	mg/kg
	BY36-001	748596.481	2082369.769	0	0.5	Uranium, Total	11.59	5.62	5.98	2750	67.8	mg/kg
	BY36-001	748596.481	2082369.769	0.5	2.5	Uranium, Total	12.09	4.72	3.04	2750	67.8	mg/kg
	BY36-001	748596.481	2082369.769	0	0.5	Uranium-234	3.9	1.89	2.25	300	1800	pCi/g
	BY36-001	748596.481	2082369.769	0.5	2.5	Uranium-234	4.33	1.69	2.64	300	1800	pCi/g
	BY36-001	748596.481	2082369.769	0	0.5	Uranium-235	0.21	0.12	0.09	8	1900	pCi/g
	BY36-001	748596.481	2082369.769	0.5	2.5	Uranium-235	0.25	0.12	0.12	8	1900	pCi/g
	BY36-001	748596.481	2082369.769	0	0.5	Uranium-238	3.9	1.89	2	351	1600	pCi/g
	BY36-001	748596.481	2082369.769	0.5	2.5	Uranium-238	4.33	1.69	1.49	351	1600	pCi/g
	BY36-001	748596.481	2082369.769	0	0.5	Zinc	680	0.45	73.76	307000	N/A	mg/kg
	BY36-001	748596.481	2082369.769	0.5	2.5	Zinc	500	0.43	139.1	307000	N/A	mg/kg
	BY36-002	748580.049	2082400.965	0.5	2.5	Aluminum	37000	4.8	35373.17	228000	N/A	mg/kg
	BY36-002	748580.049	2082400.965	0	0.5	Copper	33	0.05	18.06	40900	N/A	mg/kg
	BY36-002	748580.049	2082400.965	0	0.5	Toluene	2	5.45	N/A	31300000	128000	ug/kg
	BY36-002	748580.049	2082400.965	0.5	2.5	Toluene	2.1	6.08	N/A	31300000	128000	ug/kg
	BY36-002	748580.049	2082400.965	0	0.5	Xylene	2.8	10.9	N/A	2040000	N/A	ug/kg
	BY36-002	748580.049	2082400.965	0	0.5	Zinc	100	0.45	73.76	307000	N/A	mg/kg
	BZ35-000	748553.213	2082630.303	0	0.5	Acetone	14	96.2	N/A	102000000	211000	ug/kg
	BZ35-000	748553.213	2082630.303	0.5	2.5	Acetone	34	115	N/A	102000000	211000	ug/kg
	BZ35-000	748553.213	2082630.303	0	0.5	Cobalt	12	0.2	10.91	1550	N/A	mg/kg
	BZ35-000	748553.213	2082630.303	0	0.5	Copper	41	0.05	18.06	40900	N/A	mg/kg
	BZ35-000	748553.213	2082630.303	0	0.5	Iron	32000	1.5	18037	307000	N/A	mg/kg
	BZ35-000	748553.213	2082630.303	0	0.5	Lithium	14	0.52	11.55	20400	N/A	mg/kg
	BZ35-000	748553.213	2082630.303	0	0.5	Manganese	730	0.18	365.08	3480	N/A	mg/kg
	BZ35-000	748553.213	2082630.303	0	0.5	Uranium, Total	10.81	4.81	5.98	2750	67.8	mg/kg
	BZ35-000	748553.213	2082630.303	0.5	2.5	Uranium, Total	12.89	3.89	3.04	2750	67.8	mg/kg
	BZ35-000	748553.213	2082630.303	0	0.5	Uranium-234	3.82	1.7	2.25	300	1800	pCi/g
	BZ35-000	748553.213	2082630.303	0.5	2.5	Uranium-234	5.11	1.54	2.64	300	1800	pCi/g
	BZ35-000	748553.213	2082630.303	0	0.5	Uranium-235	0.2	0.12	0.09	8	1900	pCi/g
	BZ35-000	748553.213	2082630.303	0.5	2.5	Uranium-235	0.26	0.25	0.12	8	1900	pCi/g
	BZ35-000	748553.213	2082630.303	0	0.5	Uranium-238	3.82	1.7	2	351	1600	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BZ35-000	748553.213	2082630.303	0.5	2.5	Uranium-238	5.11	1.54	1.49	351	1600	pCi/g
	BZ35-000	748553.213	2082630.303	0	0.5	Vanadium	54	0.49	45.59	7150	433	mg/kg
	BZ35-000	748553.213	2082630.303	0	0.5	Zinc	93	0.48	73.76	307000	N/A	mg/kg
	BZ35-001-01	748516.835	2082648.969	0	0.5	Aluminum	27000	5.7	16902	228000	N/A	mg/kg
	BZ35-001-01	748516.835	2082648.969	0.5	2.5	Aluminum	51000	6.1	35373.17	228000	N/A	mg/kg
	BZ35-001-01	748516.835	2082648.969	0	0.5	Beryllium	1.2	0.12	0.97	921	2.15	mg/kg
	BZ35-001-01	748516.835	2082648.969	0	0.5	Chromium	20	0.18	16.99	268	N/A	mg/kg
	BZ35-001-01	748516.835	2082648.969	0	0.5	Lithium	12	0.57	11.55	20400	N/A	mg/kg
	BZ35-001-01	748516.835	2082648.969	0	0.5	Naphthalene	3.4	5.39	N/A	3090000	N/A	ug/kg
	BZ35-001-01	748516.835	2082648.969	0.5	2.5	Naphthalene	1.1	5.9	N/A	3090000	N/A	ug/kg
	BZ35-001-01	748516.835	2082648.969	0	0.5	Nickel	18	0.23	14.91	20400	N/A	mg/kg
	BZ35-001-01	748516.835	2082648.969	0	0.5	Uranium, Total	12.27	4.78	5.98	2750	67.8	mg/kg
	BZ35-001-01	748516.835	2082648.969	0.5	2.5	Uranium, Total	10.31	4.31	3.04	2750	67.8	mg/kg
	BZ35-001-01	748516.835	2082648.969	0	0.5	Uranium-234	4.7	1.83	2.25	300	1800	pCi/g
	BZ35-001-01	748516.835	2082648.969	0.5	2.5	Uranium-234	4.13	1.73	2.64	300	1800	pCi/g
	BZ35-001-01	748516.835	2082648.969	0	0.5	Uranium-235	0.26	0.16	0.09	8	1900	pCi/g
	BZ35-001-01	748516.835	2082648.969	0	0.5	Uranium-238	4.7	1.83	2	351	1600	pCi/g
	BZ35-001-01	748516.835	2082648.969	0.5	2.5	Uranium-238	4.13	1.73	1.49	351	1600	pCi/g
	BZ35-002-01	748481.64	2082620.428	0.5	2.5	Arsenic	17	0.85	13.14	22.2	21.6	mg/kg
	BZ35-002-01	748481.64	2082620.428	0	0.5	Chromium	22	0.16	16.99	268	N/A	mg/kg
	BZ35-002-01	748481.64	2082620.428	0	0.5	Copper	19	0.05	18.06	40900	N/A	mg/kg
	BZ35-002-01	748481.64	2082620.428	0.5	2.5	Lead	35	0.28	24.97	1000	25.6	mg/kg
	BZ35-002-01	748481.64	2082620.428	0	0.5	Naphthalene	1.8	5.27	N/A	3090000	N/A	ug/kg
	BZ35-002-01	748481.64	2082620.428	0	0.5	Toluene	2	5.27	N/A	31300000	128000	ug/kg
	BZ35-002-01	748481.64	2082620.428	0	0.5	Uranium, Total	9.59	4.48	5.98	2750	67.8	mg/kg
	BZ35-002-01	748481.64	2082620.428	0.5	2.5	Uranium, Total	10.37	3.47	3.04	2750	67.8	mg/kg
	BZ35-002-01	748481.64	2082620.428	0	0.5	Uranium-234	3.46	1.62	2.25	300	1800	pCi/g
	BZ35-002-01	748481.64	2082620.428	0.5	2.5	Uranium-234	4.16	1.39	2.64	300	1800	pCi/g
	BZ35-002-01	748481.64	2082620.428	0	0.5	Uranium-235	0.2	0.11	0.09	8	1900	pCi/g
	BZ35-002-01	748481.64	2082620.428	0.5	2.5	Uranium-235	0.15	0.13	0.12	8	1900	pCi/g
	BZ35-002-01	748481.64	2082620.428	0	0.5	Uranium-238	3.46	1.62	2	351	1600	pCi/g
	BZ35-002-01	748481.64	2082620.428	0.5	2.5	Uranium-238	4.16	1.39	1.49	351	1600	pCi/g
	BZ35-002-01	748481.64	2082620.428	0	0.5	Zinc	75	0.47	73.76	307000	N/A	mg/kg
	BZ35-003-01	748468.932	2082560.876	0	0.5	Aluminum	28000	5.3	16902	228000	N/A	mg/kg
	BZ35-003-01	748468.932	2082560.876	0	0.5	Beryllium	1.1	0.11	0.97	921	2.15	mg/kg
	BZ35-003-01	748468.932	2082560.876	0	0.5	Chromium	20	0.17	16.99	268	N/A	mg/kg
	BZ35-003-01	748468.932	2082560.876	0	0.5	Ethylbenzene	1.4	5.33	N/A	4250000	N/A	ug/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BZ35-003-01	BZ35-003-01	748468.932	2082560.876	0.5	2.5	Ethylbenzene	2.1	5.45	N/A	4250000	N/A	ug/kg
	BZ35-003-01	748468.932	2082560.876	0	0.5	Lithium	15	0.53	11.55	20400	N/A	mg/kg
	BZ35-003-01	748468.932	2082560.876	0.5	2.5	Naphthalene	0.9	5.45	N/A	3090000	N/A	ug/kg
	BZ35-003-01	748468.932	2082560.876	0	0.5	Nickel	18	0.21	14.91	20400	N/A	mg/kg
	BZ35-003-01	748468.932	2082560.876	0	0.5	Uranium, Total	10.75	4.25	5.98	2750	67.8	mg/kg
	BZ35-003-01	748468.932	2082560.876	0.5	2.5	Uranium, Total	15.27	4.25	3.04	2750	67.8	mg/kg
	BZ35-003-01	748468.932	2082560.876	0	0.5	Uranium-234	3.99	1.58	2.25	300	1800	pCi/g
	BZ35-003-01	748468.932	2082560.876	0.5	2.5	Uranium-234	5.82	1.62	2.64	300	1800	pCi/g
	BZ35-003-01	748468.932	2082560.876	0	0.5	Uranium-235	0.22	0.13	0.09	8	1900	pCi/g
	BZ35-003-01	748468.932	2082560.876	0.5	2.5	Uranium-235	0.15	0.13	0.12	8	1900	pCi/g
	BZ35-003-01	748468.932	2082560.876	0	0.5	Uranium-238	3.99	1.58	2	351	1600	pCi/g
	BZ35-003-01	748468.932	2082560.876	0.5	2.5	Uranium-238	5.82	1.62	1.49	351	1600	pCi/g
	BZ35-011-01	748525.644	2082590.968	0.5	2.5	Cadmium	10	0.06	1.7	962	N/A	mg/kg
	BZ35-011-01	748525.644	2082590.968	0	0.5	Naphthalene	2	5.43	N/A	3090000	N/A	ug/kg
	BZ35-011-01	748525.644	2082590.968	0.5	2.5	Uranium, Total	11.02	4.16	3.04	2750	67.8	mg/kg
	BZ35-011-01	748525.644	2082590.968	0.5	2.5	Uranium-234	4.63	1.75	2.64	300	1800	pCi/g
	BZ35-011-01	748525.644	2082590.968	0.5	2.5	Uranium-235	0.2	0.13	0.12	8	1900	pCi/g
	BZ35-011-01	748525.644	2082590.968	0.5	2.5	Uranium-238	4.63	1.75	1.49	351	1600	pCi/g
	BZ35-011-01	748525.644	2082590.968	0	0.5	Zinc	84	0.42	73.76	307000	N/A	mg/kg
UBC 444	BW37-000	748789.27	2082086.53	0.5	2.5	Styrene	5.2	5.34	N/A	123000000	N/A	ug/kg
	BW37-000	748789.27	2082086.53	0	0.5	Toluene	1.9	5.51	N/A	31300000	128000	ug/kg
	BW37-000	748789.27	2082086.53	0	0.5	Uranium, Total	11.67	5.05	5.98	2750	67.8	mg/kg
	BW37-000	748789.27	2082086.53	0.5	2.5	Uranium, Total	12.19	6.01	3.04	2750	67.8	mg/kg
	BW37-000	748789.27	2082086.53	0	0.5	Uranium-234	4.08	1.76	2.25	300	1800	pCi/g
	BW37-000	748789.27	2082086.53	0.5	2.5	Uranium-234	4.1	2.03	2.64	300	1800	pCi/g
	BW37-000	748789.27	2082086.53	0	0.5	Uranium-235	0.26	0.13	0.09	8	1900	pCi/g
	BW37-000	748789.27	2082086.53	0	0.5	Uranium-238	4.08	1.76	2	351	1600	pCi/g
	BW37-000	748789.27	2082086.53	0.5	2.5	Uranium-238	4.1	2.03	1.49	351	1600	pCi/g
	BW37-001	748848.513	2082126.365	0	0.5	Acetone	26	101	N/A	102000000	211000	ug/kg
	BW37-001	748848.513	2082126.365	0.5	2.5	Acetone	20	102	N/A	102000000	211000	ug/kg
	BW37-001	748848.513	2082126.365	0	0.5	Chromium	20	0.15	16.99	268	N/A	mg/kg
	BW37-001	748848.513	2082126.365	0	0.5	Iron	23000	1.4	18037	307000	N/A	mg/kg
	BW37-001	748848.513	2082126.365	0	0.5	Naphthalene	2.5	5.04	N/A	3090000	N/A	ug/kg
	BW37-001	748848.513	2082126.365	0.5	2.5	Naphthalene	2.5	5.08	N/A	3090000	N/A	ug/kg
	BW37-001	748848.513	2082126.365	0	0.5	Toluene	1.6	5.04	N/A	31300000	128000	ug/kg
	BW37-001	748848.513	2082126.365	0.5	2.5	Toluene	1.3	5.08	N/A	31300000	128000	ug/kg
	BW37-001	748848.513	2082126.365	0	0.5	Uranium, Total	11.58	4.07	5.98	2750	67.8	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BW37-001	748848.513	2082126.365	0.5	2.5	Uranium, Total	9.65	5.88	3.04	2750	67.8	mg/kg
	BW37-001	748848.513	2082126.365	0	0.5	Uranium-234	4.1	1.44	2.25	300	1800	pCi/g
	BW37-001	748848.513	2082126.365	0.5	2.5	Uranium-234	3.47	2.11	2.64	300	1800	pCi/g
	BW37-001	748848.513	2082126.365	0	0.5	Uranium-238	4.1	1.44	2	351	1600	pCi/g
	BW37-001	748848.513	2082126.365	0.5	2.5	Uranium-238	3.47	2.11	1.49	351	1600	pCi/g
	BW37-002	748870.064	2082095.287	0	0.5	Barium	160	0.37	141.26	26400	N/A	mg/kg
	BW37-002	748870.064	2082095.287	0	0.5	Iron	26000	1.4	18037	307000	N/A	mg/kg
	BW37-002	748870.064	2082095.287	0	0.5	Uranium, Total	9.18	5.29	5.98	2750	67.8	mg/kg
	BW37-002	748870.064	2082095.287	0	0.5	Uranium-234	3.31	1.9	2.25	300	1800	pCi/g
	BW37-002	748870.064	2082095.287	0	0.5	Uranium-238	3.31	1.9	2	351	1600	pCi/g
	BX35-003	748507.05	2082330.43	0	0.5	Aluminum	17000	4.9	16902	228000	N/A	mg/kg
	BX35-003	748507.05	2082330.43	0	0.5	Cobalt	12	0.18	10.91	1550	N/A	mg/kg
	BX35-003	748507.05	2082330.43	0	0.5	Copper	25	0.05	18.06	40900	N/A	mg/kg
	BX35-003	748507.05	2082330.43	0	0.5	Lithium	13	0.49	11.55	20400	N/A	mg/kg
	BX35-003	748507.05	2082330.43	0	0.5	Nickel	18	0.2	14.91	20400	N/A	mg/kg
	BX35-003	748507.05	2082330.43	0	0.5	Selenium	1.3	0.8	1.22	5110	N/A	mg/kg
	BX35-003	748507.05	2082330.43	0	0.5	Strontium	60	0.06	48.94	613000	N/A	mg/kg
	BX35-003	748507.05	2082330.43	0	0.5	Uranium, Total	11.69	4.09	5.98	2750	67.8	mg/kg
	BX35-003	748507.05	2082330.43	0.5	2.5	Uranium, Total	10.69	4.78	3.04	2750	67.8	mg/kg
	BX35-003	748507.05	2082330.43	0	0.5	Uranium-234	3.94	1.38	2.25	300	1800	pCi/g
	BX35-003	748507.05	2082330.43	0.5	2.5	Uranium-234	3.6	1.61	2.64	300	1800	pCi/g
	BX35-003	748507.05	2082330.43	0	0.5	Uranium-235	0.22	0.12	0.09	8	1900	pCi/g
	BX35-003	748507.05	2082330.43	0.5	2.5	Uranium-235	0.16	0.11	0.12	8	1900	pCi/g
	BX35-003	748507.05	2082330.43	0	0.5	Uranium-238	3.94	1.38	2	351	1600	pCi/g
	BX35-003	748507.05	2082330.43	0.5	2.5	Uranium-238	3.6	1.61	1.49	351	1600	pCi/g
	BX36-011	748667.6	2082300.28	0	0.5	Acetone	12	102	N/A	102000000	211000	ug/kg
	BX36-011	748667.6	2082300.28	0	0.5	Lithium	12	0.51	11.55	20400	N/A	mg/kg
	BX36-011	748667.6	2082300.28	0	0.5	Uranium, Total	13.15	6.13	5.98	2750	67.8	mg/kg
	BX36-011	748667.6	2082300.28	0.5	2.5	Uranium, Total	10.41	6.16	3.04	2750	67.8	mg/kg
	BX36-011	748667.6	2082300.28	0	0.5	Uranium-234	4.43	2.06	2.25	300	1800	pCi/g
	BX36-011	748667.6	2082300.28	0.5	2.5	Uranium-234	3.5	2.08	2.64	300	1800	pCi/g
	BX36-011	748667.6	2082300.28	0	0.5	Uranium-235	0.25	0.14	0.09	8	1900	pCi/g
	BX36-011	748667.6	2082300.28	0.5	2.5	Uranium-235	0.19	0.15	0.12	8	1900	pCi/g
	BX36-011	748667.6	2082300.28	0	0.5	Uranium-238	4.43	2.06	2	351	1600	pCi/g
	BX36-011	748667.6	2082300.28	0.5	2.5	Uranium-238	3.5	2.08	1.49	351	1600	pCi/g
	BX36-012	748648.528	2082230.616	0	0.5	Antimony	0.5	0.28	0.47	409	N/A	mg/kg
	BX36-012	748648.528	2082230.616	0	0.5	Cobalt	11	0.18	10.91	1550	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-012	748648.528	2082230.616	0	0.5	Copper	33	0.05	18.06	40900	N/A	mg/kg
	BX36-012	748648.528	2082230.616	0	0.5	Methylene chloride	1.2	0.87	N/A	2530000	39500	ug/kg
	BX36-012	748648.528	2082230.616	0.5	2.5	Methylene chloride	1.1	0.84	N/A	2530000	39500	ug/kg
	BX36-012	748648.528	2082230.616	0.5	2.5	Naphthalene	3.5	0.91	N/A	3090000	N/A	ug/kg
	BX36-012	748648.528	2082230.616	0	0.5	Uranium, Total	35.97	5.49	5.98	2750	67.8	mg/kg
	BX36-012	748648.528	2082230.616	0.5	2.5	Uranium, Total	32.08	0.46	3.04	2750	67.8	mg/kg
	BX36-012	748648.528	2082230.616	0	0.5	Uranium-234	3.51	0.23	2.25	300	1800	pCi/g
	BX36-012	748648.528	2082230.616	0.5	2.5	Uranium-234	8.87	1.77	2.64	300	1800	pCi/g
	BX36-012	748648.528	2082230.616	0	0.5	Uranium-235	0.27	0.17	0.09	8	1900	pCi/g
	BX36-012	748648.528	2082230.616	0.5	2.5	Uranium-235	0.42	0.17	0.12	8	1900	pCi/g
	BX36-012	748648.528	2082230.616	0	0.5	Uranium-238	6.6	0.13	2	351	1600	pCi/g
	BX36-012	748648.528	2082230.616	0.5	2.5	Uranium-238	10.8	0.15	1.49	351	1600	pCi/g
	BX36-013	748737.196	2082318.308	0.5	2.5	Acetone	16	102	N/A	102000000	211000	ug/kg
	BX36-013	748737.196	2082318.308	0	0.5	Aluminum	18000	5	16902	228000	N/A	mg/kg
	BX36-013	748737.196	2082318.308	0	0.5	Antimony	0.57	0.29	0.47	409	N/A	mg/kg
	BX36-013	748737.196	2082318.308	0	0.5	Uranium, Total	11.87	4.74	5.98	2750	67.8	mg/kg
	BX36-013	748737.196	2082318.308	0.5	2.5	Uranium, Total	12.77	4.34	3.04	2750	67.8	mg/kg
	BX36-013	748737.196	2082318.308	0	0.5	Uranium-234	4	1.6	2.25	300	1800	pCi/g
	BX36-013	748737.196	2082318.308	0.5	2.5	Uranium-234	4.57	1.55	2.64	300	1800	pCi/g
	BX36-013	748737.196	2082318.308	0	0.5	Uranium-235	0.15	0.15	0.09	8	1900	pCi/g
	BX36-013	748737.196	2082318.308	0.5	2.5	Uranium-235	0.21	0.13	0.12	8	1900	pCi/g
	BX36-013	748737.196	2082318.308	0	0.5	Uranium-238	4	1.6	2	351	1600	pCi/g
	BX36-013	748737.196	2082318.308	0.5	2.5	Uranium-238	4.57	1.55	1.49	351	1600	pCi/g
	BX36-014	748718.177	2082248.865	0	0.5	Cobalt	29	0.18	10.91	1550	N/A	mg/kg
	BX36-014	748718.177	2082248.865	0	0.5	Copper	78	0.04	18.06	40900	N/A	mg/kg
	BX36-014	748718.177	2082248.865	0	0.5	Strontium	49	0.06	48.94	613000	N/A	mg/kg
	BX36-014	748718.177	2082248.865	0	0.5	Tin	8.6	0.82	2.9	613000	N/A	mg/kg
	BX36-014	748718.177	2082248.865	0	0.5	Uranium, Total	10.16	4.43	5.98	2750	67.8	mg/kg
	BX36-014	748718.177	2082248.865	0.5	2.5	Uranium, Total	10.05	6.91	3.04	2750	67.8	mg/kg
	BX36-014	748718.177	2082248.865	0	0.5	Uranium-234	3.6	1.57	2.25	300	1800	pCi/g
	BX36-014	748718.177	2082248.865	0.5	2.5	Uranium-234	3.38	2.33	2.64	300	1800	pCi/g
	BX36-014	748718.177	2082248.865	0	0.5	Uranium-235	0.16	0.11	0.09	8	1900	pCi/g
	BX36-014	748718.177	2082248.865	0.5	2.5	Uranium-235	0.14	0.12	0.12	8	1900	pCi/g
	BX36-014	748718.177	2082248.865	0	0.5	Uranium-238	3.6	1.57	2	351	1600	pCi/g
	BX36-014	748718.177	2082248.865	0.5	2.5	Uranium-238	3.38	2.33	1.49	351	1600	pCi/g
	BX37-001	748787.576	2082147.758	0	0.5	Aluminum	19000	4.9	16902	228000	N/A	mg/kg
	BX37-001	748787.576	2082147.758	0	0.5	Chromium	20	0.15	16.99	268	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BX37-001	748787.576	2082147.758		0	0.5	Naphthalene	8.79	5.32	N/A	3090000	N/A	ug/kg
BX37-001	748787.576	2082147.758		0.5	2.5	Naphthalene	4.5	5.67	N/A	3090000	N/A	ug/kg
BX37-001	748787.576	2082147.758		0	0.5	Nickel	18	0.2	14.91	20400	N/A	mg/kg
BX37-001	748787.576	2082147.758		0	0.5	Selenium	1.6	0.8	1.22	5110	N/A	mg/kg
BX37-001	748787.576	2082147.758		0	0.5	Uranium, Total	10.66	4.96	5.98	2750	67.8	mg/kg
BX37-001	748787.576	2082147.758		0.5	2.5	Uranium, Total	14.88	5.16	3.04	2750	67.8	mg/kg
BX37-001	748787.576	2082147.758		0	0.5	Uranium-234	3.84	1.79	2.25	300	1800	pCi/g
BX37-001	748787.576	2082147.758		0.5	2.5	Uranium-234	5.01	1.74	2.64	300	1800	pCi/g
BX37-001	748787.576	2082147.758		0	0.5	Uranium-235	0.19	0.13	0.09	8	1900	pCi/g
BX37-001	748787.576	2082147.758		0.5	2.5	Uranium-235	0.23	0.13	0.12	8	1900	pCi/g
BX37-001	748787.576	2082147.758		0	0.5	Uranium-238	3.84	1.79	2	351	1600	pCi/g
BX37-001	748787.576	2082147.758		0.5	2.5	Uranium-238	5.01	1.74	1.49	351	1600	pCi/g
BX37-002	748853.05	2082205.96		0.5	2.5	Acetone	14	101	N/A	102000000	211000	ug/kg
BX37-002	748853.05	2082205.96		0	0.5	Aluminum	21000	4.8	16902	228000	N/A	mg/kg
BX37-002	748853.05	2082205.96		0	0.5	Methylene chloride	1.2	0.87	N/A	2530000	39500	ug/kg
BX37-002	748853.05	2082205.96		0.5	2.5	Methylene chloride	1	0.85	N/A	2530000	39500	ug/kg
BX37-002	748853.05	2082205.96		0.5	2.5	Naphthalene	1.3	5.05	N/A	3090000	N/A	ug/kg
BX37-002	748853.05	2082205.96		0	0.5	Nickel	17	0.19	14.91	20400	N/A	mg/kg
BX37-002	748853.05	2082205.96		0	0.5	Uranium, Total	13.01	4.67	5.98	2750	67.8	mg/kg
BX37-002	748853.05	2082205.96		0.5	2.5	Uranium, Total	10.16	4.46	3.04	2750	67.8	mg/kg
BX37-002	748853.05	2082205.96		0	0.5	Uranium-234	4.38	1.57	2.25	300	1800	pCi/g
BX37-002	748853.05	2082205.96		0.5	2.5	Uranium-234	3.64	1.6	2.64	300	1800	pCi/g
BX37-002	748853.05	2082205.96		0.5	2.5	Uranium-235	0.16	0.12	0.12	8	1900	pCi/g
BX37-002	748853.05	2082205.96		0	0.5	Uranium-238	4.38	1.57	2	351	1600	pCi/g
BX37-002	748853.05	2082205.96		0.5	2.5	Uranium-238	3.64	1.6	1.49	351	1600	pCi/g
BX37-003	748779.797	2082246.293		0	0.5	Acetone	16	104	N/A	102000000	211000	ug/kg
BX37-003	748779.797	2082246.293		0.5	2.5	Acetone	12	101	N/A	102000000	211000	ug/kg
BX37-003	748779.797	2082246.293		0	0.5	Aluminum	18000	4.9	16902	228000	N/A	mg/kg
BX37-003	748779.797	2082246.293		0	0.5	Copper	24	0.05	18.06	40900	N/A	mg/kg
BX37-003	748779.797	2082246.293		0.5	2.5	Copper	52	0.05	38.21	40900	N/A	mg/kg
BX37-003	748779.797	2082246.293		0	0.5	Lithium	13	0.49	11.55	20400	N/A	mg/kg
BX37-003	748779.797	2082246.293		0	0.5	Naphthalene	0.85	5.22	N/A	3090000	N/A	ug/kg
BX37-003	748779.797	2082246.293		0	0.5	Nickel	16	0.2	14.91	20400	N/A	mg/kg
BX37-003	748779.797	2082246.293		0	0.5	Selenium	1.4	0.81	1.22	5110	N/A	mg/kg
BX37-003	748779.797	2082246.293		0	0.5	Uranium, Total	10.66	4.75	5.98	2750	67.8	mg/kg
BX37-003	748779.797	2082246.293		0.5	2.5	Uranium, Total	3.2	1.5	3.04	2750	67.8	mg/kg
BX37-003	748779.797	2082246.293		0	0.5	Uranium-234	3.92	1.75	2.25	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BX37-003	748779.797	2082246.293	0.5	2.5	Uranium-234	4.45	1.55	2.64	300	1800	pCi/g	
BX37-003	748779.797	2082246.293	0	0.5	Uranium-235	0.21	0.12	0.09	8	1900	pCi/g	
BX37-003	748779.797	2082246.293	0	0.5	Uranium-238	3.92	1.75	2	351	1600	pCi/g	
BX37-003	748779.797	2082246.293	0.5	2.5	Uranium-238	4.45	1.55	1.49	351	1600	pCi/g	
BX37-004	748808.321	2082297.38	0	0.5	Acetone	21	109	N/A	102000000	211000	ug/kg	
BX37-004	748808.321	2082297.38	0	0.5	Aluminum	18000	4.8	16902	228000	N/A	mg/kg	
BX37-004	748808.321	2082297.38	0	0.5	Chromium	18	0.15	16.99	268	N/A	mg/kg	
BX37-004	748808.321	2082297.38	0	0.5	Copper	19	0.05	18.06	40900	N/A	mg/kg	
BX37-004	748808.321	2082297.38	0	0.5	Lithium	12	0.48	11.55	20400	N/A	mg/kg	
BX37-004	748808.321	2082297.38	0.5	2.5	Naphthalene	0.89	4.74	N/A	3090000	N/A	ug/kg	
BX37-004	748808.321	2082297.38	0	0.5	Uranium, Total	10.59	5.63	5.98	2750	67.8	mg/kg	
BX37-004	748808.321	2082297.38	0.5	2.5	Uranium, Total	8.79	4.1	3.04	2750	67.8	mg/kg	
BX37-004	748808.321	2082297.38	0	0.5	Uranium-234	3.57	1.9	2.25	300	1800	pCi/g	
BX37-004	748808.321	2082297.38	0.5	2.5	Uranium-234	3.04	1.42	2.64	300	1800	pCi/g	
BX37-004	748808.321	2082297.38	0	0.5	Uranium-238	3.57	1.9	2	351	1600	pCi/g	
BX37-004	748808.321	2082297.38	0.5	2.5	Uranium-238	3.04	1.42	1.49	351	1600	pCi/g	
BX37-005	748806.845	2082336.557	0	0.5	Acetone	20	110	N/A	102000000	211000	ug/kg	
BX37-005	748806.845	2082336.557	0.5	2.5	Acetone	24	108	N/A	102000000	211000	ug/kg	
BX37-005	748806.845	2082336.557	0	0.5	Cobalt	53	0.18	10.91	1550	N/A	mg/kg	
BX37-005	748806.845	2082336.557	0	0.5	Copper	150	0.04	18.06	40900	N/A	mg/kg	
BX37-005	748806.845	2082336.557	0.5	2.5	Copper	48	0.05	38.21	40900	N/A	mg/kg	
BX37-005	748806.845	2082336.557	0	0.5	Nickel	16	0.19	14.91	20400	N/A	mg/kg	
BX37-005	748806.845	2082336.557	0	0.5	Selenium	1.3	0.77	1.22	5110	N/A	mg/kg	
BX37-005	748806.845	2082336.557	0	0.5	Tin	15	0.81	2.9	613000	N/A	mg/kg	
BX37-005	748806.845	2082336.557	0	0.5	Uranium, Total	53.64	7.42	5.98	2750	67.8	mg/kg	
BX37-005	748806.845	2082336.557	0.5	2.5	Uranium, Total	43	1.4	3.04	2750	67.8	mg/kg	
BX37-005	748806.845	2082336.557	0	0.5	Uranium-234	18.06	2.5	2.25	300	1800	pCi/g	
BX37-005	748806.845	2082336.557	0.5	2.5	Uranium-234	12.72	2.16	2.64	300	1800	pCi/g	
BX37-005	748806.845	2082336.557	0	0.5	Uranium-235	0.39	0.14	0.09	8	1900	pCi/g	
BX37-005	748806.845	2082336.557	0.5	2.5	Uranium-235	0.27	0.13	0.12	8	1900	pCi/g	
BX37-005	748806.845	2082336.557	0	0.5	Uranium-238	18.06	2.5	2	351	1600	pCi/g	
BX37-005	748806.845	2082336.557	0.5	2.5	Uranium-238	12.72	2.16	1.49	351	1600	pCi/g	
BX37-006	748787.825	2082267.115	0	0.5	Aluminum	17000	4.7	16902	228000	N/A	mg/kg	
BX37-006	748787.825	2082267.115	0	0.5	Cobalt	61	0.18	10.91	1550	N/A	mg/kg	
BX37-006	748787.825	2082267.115	0	0.5	Copper	190	0.04	18.06	40900	N/A	mg/kg	
BX37-006	748787.825	2082267.115	0.5	2.5	Copper	44	0.04	38.21	40900	N/A	mg/kg	
BX37-006	748787.825	2082267.115	0	0.5	Lithium	13	0.47	11.55	20400	N/A	mg/kg	

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX37-006	748787.825	2082267.115	0	0.5	Manganese	370	0.17	365.08	3480	N/A	mg/kg
	BX37-006	748787.825	2082267.115	0	0.5	Uranium, Total	11.13	4.59	5.98	2750	67.8	mg/kg
	BX37-006	748787.825	2082267.115	0.5	2.5	Uranium, Total	8.67	5.26	3.04	2750	67.8	mg/kg
	BX37-006	748787.825	2082267.115	0	0.5	Uranium-234	3.75	1.55	2.25	300	1800	pCi/g
	BX37-006	748787.825	2082267.115	0.5	2.5	Uranium-234	3.04	1.84	2.64	300	1800	pCi/g
	BX37-006	748787.825	2082267.115	0	0.5	Uranium-235	0.22	0.11	0.09	8	1900	pCi/g
	BX37-006	748787.825	2082267.115	0	0.5	Uranium-238	3.75	1.55	2	351	1600	pCi/g
	BX37-006	748787.825	2082267.115	0.5	2.5	Uranium-238	3.04	1.84	1.49	351	1600	pCi/g
	BX37-007	748768.806	2082197.672	0	0.5	Naphthalene	9.62	5.36	N/A	3090000	N/A	ug/kg
	BX37-007	748768.806	2082197.672	0.5	2.5	Naphthalene	1.6	6.02	N/A	3090000	N/A	ug/kg
	BX37-007	748768.806	2082197.672	0	0.5	Uranium, Total	12.27	6.46	5.98	2750	67.8	mg/kg
	BX37-007	748768.806	2082197.672	0.5	2.5	Uranium, Total	21.09	5.47	3.04	2750	67.8	mg/kg
	BX37-007	748768.806	2082197.672	0	0.5	Uranium-234	4.13	2.18	2.25	300	1800	pCi/g
	BX37-007	748768.806	2082197.672	0.5	2.5	Uranium-234	7.1	1.84	2.64	300	1800	pCi/g
	BX37-007	748768.806	2082197.672	0	0.5	Uranium-235	0.21	0.12	0.09	8	1900	pCi/g
	BX37-007	748768.806	2082197.672	0.5	2.5	Uranium-235	0.29	0.14	0.12	8	1900	pCi/g
	BX37-007	748768.806	2082197.672	0	0.5	Uranium-238	4.13	2.18	2	351	1600	pCi/g
	BX37-007	748768.806	2082197.672	0.5	2.5	Uranium-238	7.1	1.84	1.49	351	1600	pCi/g
	BX37-008	748857.474	2082285.364	0	0.5	Aluminum	20000	4.7	16902	228000	N/A	mg/kg
	BX37-008	748857.474	2082285.364	0	0.5	Cobalt	14	0.18	10.91	1550	N/A	mg/kg
	BX37-008	748857.474	2082285.364	0	0.5	Copper	37	0.04	18.06	40900	N/A	mg/kg
	BX37-008	748857.474	2082285.364	0	0.5	Lithium	13	0.47	11.55	20400	N/A	mg/kg
	BX37-008	748857.474	2082285.364	0	0.5	Nickel	17	0.19	14.91	20400	N/A	mg/kg
	BX37-008	748857.474	2082285.364	0	0.5	Selenium	1.5	0.77	1.22	5110	N/A	mg/kg
	BX37-008	748857.474	2082285.364	0	0.5	Uranium, Total	11.77	4.4	5.98	2750	67.8	mg/kg
	BX37-008	748857.474	2082285.364	0.5	2.5	Uranium, Total	10.6	4.72	3.04	2750	67.8	mg/kg
	BX37-008	748857.474	2082285.364	0	0.5	Uranium-234	3.96	1.48	2.25	300	1800	pCi/g
	BX37-008	748857.474	2082285.364	0.5	2.5	Uranium-234	3.8	1.69	2.64	300	1800	pCi/g
	BX37-008	748857.474	2082285.364	0	0.5	Uranium-235	0.22	0.14	0.09	8	1900	pCi/g
	BX37-008	748857.474	2082285.364	0.5	2.5	Uranium-235	0.2	0.13	0.12	8	1900	pCi/g
	BX37-008	748857.474	2082285.364	0	0.5	Uranium-238	3.96	1.48	2	351	1600	pCi/g
	BX37-008	748857.474	2082285.364	0.5	2.5	Uranium-238	3.8	1.69	1.49	351	1600	pCi/g
	BX37-009	748838.454	2082215.922	0	0.5	Lithium	12	0.47	11.55	20400	N/A	mg/kg
	BX37-009	748838.454	2082215.922	0	0.5	Uranium, Total	9.68	4.69	5.98	2750	67.8	mg/kg
	BX37-009	748838.454	2082215.922	0.5	2.5	Uranium, Total	10.78	4.37	3.04	2750	67.8	mg/kg
	BX37-009	748838.454	2082215.922	0	0.5	Uranium-234	3.49	1.69	2.25	300	1800	pCi/g
	BX37-009	748838.454	2082215.922	0.5	2.5	Uranium-234	3.63	1.47	2.64	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX37-009	748838.454	2082215.922	0	0.5	Uranium-235	0.2	0.12	0.09	8	1900	pCi/g
	BX37-009	748838.454	2082215.922	0.5	2.5	Uranium-235	0.21	0.13	0.12	8	1900	pCi/g
	BX37-009	748838.454	2082215.922	0	0.5	Uranium-238	3.49	1.69	2	351	1600	pCi/g
	BX37-009	748838.454	2082215.922	0.5	2.5	Uranium-238	3.63	1.47	1.49	351	1600	pCi/g
	BX37-010	748819.435	2082146.48	0	0.5	Aluminum	24000	5.4	16902	228000	N/A	mg/kg
	BX37-010	748819.435	2082146.48	0	0.5	Barium	200	0.41	141.26	26400	N/A	mg/kg
	BX37-010	748819.435	2082146.48	0.5	2.5	Barium	640	0.4	289.38	26400	N/A	mg/kg
	BX37-010	748819.435	2082146.48	0	0.5	Beryllium	1.1	0.11	0.97	921	2.15	mg/kg
	BX37-010	748819.435	2082146.48	0	0.5	Chromium	23	0.17	16.99	268	N/A	mg/kg
	BX37-010	748819.435	2082146.48	0	0.5	Iron	26000	1.5	18037	307000	N/A	mg/kg
	BX37-010	748819.435	2082146.48	0	0.5	Lithium	13	0.54	11.55	20400	N/A	mg/kg
	BX37-010	748819.435	2082146.48	0.5	2.5	Naphthalene	1.6	5.51	N/A	3090000	N/A	ug/kg
	BX37-010	748819.435	2082146.48	0	0.5	Nickel	19	0.21	14.91	20400	N/A	mg/kg
	BX37-010	748819.435	2082146.48	0	0.5	Selenium	2.1	0.88	1.22	5110	N/A	mg/kg
	BX37-010	748819.435	2082146.48	0	0.5	Strontium	54	0.06	48.94	613000	N/A	mg/kg
	BX37-010	748819.435	2082146.48	0	0.5	Uranium, Total	10.82	4.84	5.98	2750	67.8	mg/kg
	BX37-010	748819.435	2082146.48	0.5	2.5	Uranium, Total	10.84	5.2	3.04	2750	67.8	mg/kg
	BX37-010	748819.435	2082146.48	0	0.5	Uranium-234	3.64	1.63	2.25	300	1800	pCi/g
	BX37-010	748819.435	2082146.48	0.5	2.5	Uranium-234	4.21	2.02	2.64	300	1800	pCi/g
	BX37-010	748819.435	2082146.48	0	0.5	Uranium-235	0.2	0.14	0.09	8	1900	pCi/g
	BX37-010	748819.435	2082146.48	0.5	2.5	Uranium-235	0.2	0.14	0.12	8	1900	pCi/g
	BX37-010	748819.435	2082146.48	0	0.5	Uranium-238	3.64	1.63	2	351	1600	pCi/g
	BX37-010	748819.435	2082146.48	0.5	2.5	Uranium-238	4.21	2.02	1.49	351	1600	pCi/g
	BX37-010	748819.435	2082146.48	0	0.5	Vanadium	51	0.51	45.59	7150	433	mg/kg
	BX37-011	748889.2	2082164.65	0	0.5	Copper	24	0.04	18.06	40900	N/A	mg/kg
	BX37-011	748889.2	2082164.65	0.5	2.5	Lead	34	0.26	24.97	1000	25.6	mg/kg
	BX37-011	748889.2	2082164.65	0	0.5	Uranium, Total	12.77	5.55	5.98	2750	67.8	mg/kg
	BX37-011	748889.2	2082164.65	0.5	2.5	Uranium, Total	13.79	5.64	3.04	2750	67.8	mg/kg
	BX37-011	748889.2	2082164.65	0	0.5	Uranium-234	4.45	1.94	2.25	300	1800	pCi/g
	BX37-011	748889.2	2082164.65	0.5	2.5	Uranium-234	4.64	1.9	2.64	300	1800	pCi/g
	BX37-011	748889.2	2082164.65	0	0.5	Uranium-235	0.24	0.13	0.09	8	1900	pCi/g
	BX37-011	748889.2	2082164.65	0	0.5	Uranium-238	4.45	1.94	2	351	1600	pCi/g
	BX37-011	748889.2	2082164.65	0.5	2.5	Uranium-238	4.64	1.9	1.49	351	1600	pCi/g
	BY36-007	748583.37	2082432.34	0	0.5	Acetone	26	116	N/A	102000000	211000	ug/kg
	BY36-007	748583.37	2082432.34	0	0.5	Aluminum	17000	5.9	16902	228000	N/A	mg/kg
	BY36-007	748583.37	2082432.34	0	0.5	Chloromethane	1.7	5.81	N/A	371000	N/A	ug/kg
	BY36-007	748583.37	2082432.34	0	0.5	Chromium	30	0.18	16.99	268	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-007	748583.37	2082432.34	0	0.5	Copper	22	0.06	18.06	40900	N/A	mg/kg
	BY36-007	748583.37	2082432.34	0	0.5	Lithium	14	0.59	11.55	20400	N/A	mg/kg
	BY36-007	748583.37	2082432.34	0	0.5	Nickel	17	0.24	14.91	20400	N/A	mg/kg
	BY36-007	748583.37	2082432.34	0	0.5	Strontium	100	0.07	48.94	613000	N/A	mg/kg
	BY36-007	748583.37	2082432.34	0	0.5	Uranium, Total	9.1	1.7	5.98	2750	67.8	mg/kg
	BY36-007	748583.37	2082432.34	0	0.5	Uranium-234	4.24	1.69	2.25	300	1800	pCi/g
	BY36-007	748583.37	2082432.34	0	0.5	Uranium-235	0.24	0.12	0.09	8	1900	pCi/g
	BY36-007	748583.37	2082432.34	0	0.5	Uranium-238	4.24	1.69	2	351	1600	pCi/g
	BY36-008	748607.3	2082438.82	0	0.5	Acetone	27	106	N/A	102000000	211000	ug/kg
	BY36-008	748607.3	2082438.82	0.5	2.5	Acetone	21	106	N/A	102000000	211000	ug/kg
	BY36-008	748607.3	2082438.82	0	0.5	Chloromethane	1.5	5.3	N/A	371000	N/A	ug/kg
	BY36-008	748607.3	2082438.82	0	0.5	Chromium	79	0.17	16.99	268	N/A	mg/kg
	BY36-008	748607.3	2082438.82	0	0.5	Copper	77	0.05	18.06	40900	N/A	mg/kg
	BY36-008	748607.3	2082438.82	0	0.5	Naphthalene	56.5	5.3	N/A	3090000	N/A	ug/kg
	BY36-008	748607.3	2082438.82	0.5	2.5	Naphthalene	60.6	5.29	N/A	3090000	N/A	ug/kg
	BY36-008	748607.3	2082438.82	0	0.5	Strontium	120	0.07	48.94	613000	N/A	mg/kg
	BY36-008	748607.3	2082438.82	0	0.5	Uranium, Total	104.75	12.18	5.98	2750	67.8	mg/kg
	BY36-008	748607.3	2082438.82	0.5	2.5	Uranium, Total	280	1.6	3.04	2750	67.8	mg/kg
	BY36-008	748607.3	2082438.82	0	0.5	Uranium-234	35.27	4.1	2.25	300	1800	pCi/g
	BY36-008	748607.3	2082438.82	0.5	2.5	Uranium-234	25.38	1.92	2.64	300	1800	pCi/g
	BY36-008	748607.3	2082438.82	0	0.5	Uranium-235	0.74	0.14	0.09	8	1900	pCi/g
	BY36-008	748607.3	2082438.82	0.5	2.5	Uranium-235	0.58	0.13	0.12	8	1900	pCi/g
	BY36-008	748607.3	2082438.82	0	0.5	Uranium-238	35.27	4.1	2	351	1600	pCi/g
	BY36-008	748607.3	2082438.82	0.5	2.5	Uranium-238	25.38	1.92	1.49	351	1600	pCi/g
	BY36-008	748607.3	2082438.82	0	0.5	Vanadium	51	0.52	45.59	7150	433	mg/kg
	BY36-009	748686.173	2082384.328	0	0.5	Beryllium	1.1	0.11	0.97	921	2.15	mg/kg
	BY36-009	748686.173	2082384.328	0	0.5	Chromium	19	0.16	16.99	268	N/A	mg/kg
	BY36-009	748686.173	2082384.328	0	0.5	Lithium	14	0.51	11.55	20400	N/A	mg/kg
	BY36-009	748686.173	2082384.328	0	0.5	Nickel	16	0.2	14.91	20400	N/A	mg/kg
	BY36-009	748686.173	2082384.328	0	0.5	Uranium, Total	16.15	5.37	5.98	2750	67.8	mg/kg
	BY36-009	748686.173	2082384.328	0.5	2.5	Uranium, Total	13.45	5.71	3.04	2750	67.8	mg/kg
	BY36-009	748686.173	2082384.328	0	0.5	Uranium-234	5.44	1.81	2.25	300	1800	pCi/g
	BY36-009	748686.173	2082384.328	0.5	2.5	Uranium-234	4.53	1.92	2.64	300	1800	pCi/g
	BY36-009	748686.173	2082384.328	0	0.5	Uranium-235	0.3	0.14	0.09	8	1900	pCi/g
	BY36-009	748686.173	2082384.328	0	0.5	Uranium-238	5.44	1.81	2	351	1600	pCi/g
	BY36-009	748686.173	2082384.328	0.5	2.5	Uranium-238	4.53	1.92	1.49	351	1600	pCi/g
	BY36-010	748735.25	2082449.98	0	0.5	Uranium, Total	8.49	3.12	5.98	2750	67.8	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-011	748636.39	2082443.28	0	0.5	Acetone	24	111	N/A	102000000	211000	ug/kg
	BY36-011	748636.39	2082443.28	0.5	2.5	Acetone	22	111	N/A	102000000	211000	ug/kg
	BY36-011	748636.39	2082443.28	0	0.5	Aluminum	29000	5.6	16902	228000	N/A	mg/kg
	BY36-011	748636.39	2082443.28	0	0.5	Chromium	25	0.18	16.99	268	N/A	mg/kg
	BY36-011	748636.39	2082443.28	0	0.5	Iron	21000	1.6	18037	307000	N/A	mg/kg
	BY36-011	748636.39	2082443.28	0	0.5	Lithium	17	0.56	11.55	20400	N/A	mg/kg
	BY36-011	748636.39	2082443.28	0	0.5	Nickel	21	0.23	14.91	20400	N/A	mg/kg
	BY36-011	748636.39	2082443.28	0	0.5	Uranium, Total	16.95	5.49	5.98	2750	67.8	mg/kg
	BY36-011	748636.39	2082443.28	0.5	2.5	Uranium, Total	10.99	4.69	3.04	2750	67.8	mg/kg
	BY36-011	748636.39	2082443.28	0	0.5	Uranium-234	5.71	1.85	2.25	300	1800	pCi/g
	BY36-011	748636.39	2082443.28	0.5	2.5	Uranium-234	3.7	1.58	2.64	300	1800	pCi/g
	BY36-011	748636.39	2082443.28	0	0.5	Uranium-235	0.26	0.16	0.09	8	1900	pCi/g
	BY36-011	748636.39	2082443.28	0.5	2.5	Uranium-235	0.22	0.13	0.12	8	1900	pCi/g
	BY36-011	748636.39	2082443.28	0	0.5	Uranium-238	5.71	1.85	2	351	1600	pCi/g
	BY36-011	748636.39	2082443.28	0.5	2.5	Uranium-238	3.7	1.58	1.49	351	1600	pCi/g
	BY36-011	748636.39	2082443.28	0	0.5	Vanadium	47	0.54	45.59	7150	433	mg/kg
	BY36-012	748616.919	2082351.251	0	0.5	Antimony	0.53	0.27	0.47	409	N/A	mg/kg
	BY36-012	748616.919	2082351.251	0	0.5	Cobalt	13	0.18	10.91	1550	N/A	mg/kg
	BY36-012	748616.919	2082351.251	0	0.5	Copper	35	0.04	18.06	40900	N/A	mg/kg
	BY36-012	748616.919	2082351.251	0.5	2.5	Copper	45	0.04	38.21	40900	N/A	mg/kg
	BY36-012	748616.919	2082351.251	0	0.5	Uranium, Total	12.12	4.15	5.98	2750	67.8	mg/kg
	BY36-012	748616.919	2082351.251	0.5	2.5	Uranium, Total	8.88	5.32	3.04	2750	67.8	mg/kg
	BY36-012	748616.919	2082351.251	0	0.5	Uranium-234	4.08	1.4	2.25	300	1800	pCi/g
	BY36-012	748616.919	2082351.251	0.5	2.5	Uranium-234	3.13	1.87	2.64	300	1800	pCi/g
	BY36-012	748616.919	2082351.251	0	0.5	Uranium-235	0.21	0.1	0.09	8	1900	pCi/g
	BY36-012	748616.919	2082351.251	0.5	2.5	Uranium-235	0.12	0.11	0.12	8	1900	pCi/g
	BY36-012	748616.919	2082351.251	0	0.5	Uranium-238	4.08	1.4	2	351	1600	pCi/g
	BY36-012	748616.919	2082351.251	0.5	2.5	Uranium-238	3.13	1.87	1.49	351	1600	pCi/g
	BY36-013	748724.607	2082508.385	0	0.5	Acetone	25	103	N/A	102000000	211000	ug/kg
	BY36-013	748724.607	2082508.385	0.5	2.5	Acetone	12	101	N/A	102000000	211000	ug/kg
	BY36-013	748724.607	2082508.385	0	0.5	Copper	26	0.04	18.06	40900	N/A	mg/kg
	BY36-013	748724.607	2082508.385	0	0.5	Uranium, Total	10.82	4.69	5.98	2750	67.8	mg/kg
	BY36-013	748724.607	2082508.385	0.5	2.5	Uranium, Total	9.3	4.78	3.04	2750	67.8	mg/kg
	BY36-013	748724.607	2082508.385	0	0.5	Uranium-234	3.64	1.58	2.25	300	1800	pCi/g
	BY36-013	748724.607	2082508.385	0.5	2.5	Uranium-234	3.29	1.69	2.64	300	1800	pCi/g
	BY36-013	748724.607	2082508.385	0	0.5	Uranium-235	0.14	0.14	0.09	8	1900	pCi/g
	BY36-013	748724.607	2082508.385	0.5	2.5	Uranium-235	0.18	0.13	0.12	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-013	748724.607	2082508.385	0	0.5	Uranium-238	3.64	1.58	2	351	1600	pCi/g
	BY36-013	748724.607	2082508.385	0.5	2.5	Uranium-238	3.29	1.69	1.49	351	1600	pCi/g
	BY36-014	748705.587	2082438.943	0	0.5	Acetone	24	115	N/A	102000000	211000	ug/kg
	BY36-014	748705.587	2082438.943	0	0.5	Aluminum	20000	5.6	16902	228000	N/A	mg/kg
	BY36-014	748705.587	2082438.943	0	0.5	Chromium	19	0.17	16.99	268	N/A	mg/kg
	BY36-014	748705.587	2082438.943	0	0.5	Copper	19	0.05	18.06	40900	N/A	mg/kg
	BY36-014	748705.587	2082438.943	0	0.5	Lithium	15	0.56	11.55	20400	N/A	mg/kg
	BY36-014	748705.587	2082438.943	0	0.5	Nickel	16	0.22	14.91	20400	N/A	mg/kg
	BY36-014	748705.587	2082438.943	0	0.5	Uranium, Total	15.62	4.69	5.98	2750	67.8	mg/kg
	BY36-014	748705.587	2082438.943	0.5	2.5	Uranium, Total	12.51	5.25	3.04	2750	67.8	mg/kg
	BY36-014	748705.587	2082438.943	0	0.5	Uranium-234	5.99	1.8	2.25	300	1800	pCi/g
	BY36-014	748705.587	2082438.943	0.5	2.5	Uranium-234	4.21	1.77	2.64	300	1800	pCi/g
	BY36-014	748705.587	2082438.943	0	0.5	Uranium-235	0.31	0.18	0.09	8	1900	pCi/g
	BY36-014	748705.587	2082438.943	0.5	2.5	Uranium-235	0.13	0.13	0.12	8	1900	pCi/g
	BY36-014	748705.587	2082438.943	0	0.5	Uranium-238	5.99	1.8	2	351	1600	pCi/g
	BY36-014	748705.587	2082438.943	0.5	2.5	Uranium-238	4.21	1.77	1.49	351	1600	pCi/g
	BY36-016	748756.55	2082387.75	0	0.5	Aluminum	27000	5.3	16902	228000	N/A	mg/kg
	BY36-016	748756.55	2082387.75	0	0.5	Barium	160	0.4	141.26	26400	N/A	mg/kg
	BY36-016	748756.55	2082387.75	0	0.5	Beryllium	1	0.11	0.97	921	2.15	mg/kg
	BY36-016	748756.55	2082387.75	0	0.5	Chromium	28	0.17	16.99	268	N/A	mg/kg
	BY36-016	748756.55	2082387.75	0	0.5	Cobalt	15	0.2	10.91	1550	N/A	mg/kg
	BY36-016	748756.55	2082387.75	0	0.5	Lithium	14	0.53	11.55	20400	N/A	mg/kg
	BY36-016	748756.55	2082387.75	0	0.5	Manganese	540	0.19	365.08	3480	N/A	mg/kg
	BY36-016	748756.55	2082387.75	0	0.5	Naphthalene	1.2	6.04	N/A	3090000	N/A	ug/kg
	BY36-016	748756.55	2082387.75	0	0.5	Nickel	19	0.21	14.91	20400	N/A	mg/kg
	BY36-016	748756.55	2082387.75	0	0.5	Uranium, Total	6.5	1.5	5.98	2750	67.8	mg/kg
	BY36-016	748756.55	2082387.75	0.5	2.5	Uranium, Total	14.45	5.99	3.04	2750	67.8	mg/kg
	BY36-016	748756.55	2082387.75	0	0.5	Uranium-234	6.78	2.21	2.25	300	1800	pCi/g
	BY36-016	748756.55	2082387.75	0.5	2.5	Uranium-234	4.87	2.02	2.64	300	1800	pCi/g
	BY36-016	748756.55	2082387.75	0	0.5	Uranium-235	0.27	0.13	0.09	8	1900	pCi/g
	BY36-016	748756.55	2082387.75	0.5	2.5	Uranium-235	0.24	0.15	0.12	8	1900	pCi/g
	BY36-016	748756.55	2082387.75	0	0.5	Uranium-238	6.78	2.21	2	351	1600	pCi/g
	BY36-016	748756.55	2082387.75	0.5	2.5	Uranium-238	4.87	2.02	1.49	351	1600	pCi/g
	BY37-001	748819.341	2082359.738	0	0.5	Naphthalene	2.6	5.58	N/A	3090000	N/A	ug/kg
	BY37-001	748819.341	2082359.738	0.5	2.5	Naphthalene	1	5.13	N/A	3090000	N/A	ug/kg
	BY37-001	748819.341	2082359.738	0	0.5	Uranium, Total	13.6	5.09	5.98	2750	67.8	mg/kg
	BY37-001	748819.341	2082359.738	0.5	2.5	Uranium, Total	3.7	1.4	3.04	2750	67.8	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY37-001	748819.341	2082359.738	0	0.5	Uranium-234	4.58	1.72	2.25	300	1800	pCi/g
	BY37-001	748819.341	2082359.738	0.5	2.5	Uranium-234	4.41	1.59	2.64	300	1800	pCi/g
	BY37-001	748819.341	2082359.738	0	0.5	Uranium-235	0.19	0.15	0.09	8	1900	pCi/g
	BY37-001	748819.341	2082359.738	0.5	2.5	Uranium-235	0.26	0.21	0.12	8	1900	pCi/g
	BY37-001	748819.341	2082359.738	0	0.5	Uranium-238	4.58	1.72	2	351	1600	pCi/g
	BY37-001	748819.341	2082359.738	0.5	2.5	Uranium-238	4.41	1.59	1.49	351	1600	pCi/g
	BY37-002	748899.077	2082348.718	0	0.5	Naphthalene	1.3	5.48	N/A	3090000	N/A	ug/kg
	BY37-002	748899.077	2082348.718	0	0.5	Uranium, Total	10.22	4.54	5.98	2750	67.8	mg/kg
	BY37-002	748899.077	2082348.718	0.5	2.5	Uranium, Total	8.13	4.28	3.04	2750	67.8	mg/kg
	BY37-002	748899.077	2082348.718	0	0.5	Uranium-234	3.66	1.63	2.25	300	1800	pCi/g
	BY37-002	748899.077	2082348.718	0.5	2.5	Uranium-234	2.74	1.44	2.64	300	1800	pCi/g
	BY37-002	748899.077	2082348.718	0	0.5	Uranium-235	0.2	0.14	0.09	8	1900	pCi/g
	BY37-002	748899.077	2082348.718	0.5	2.5	Uranium-235	0.16	0.12	0.12	8	1900	pCi/g
	BY37-002	748899.077	2082348.718	0	0.5	Uranium-238	3.66	1.63	2	351	1600	pCi/g
	BY37-002	748899.077	2082348.718	0.5	2.5	Uranium-238	2.74	1.44	1.49	351	1600	pCi/g
	BY37-003	748899.077	2082377.241	0	0.5	Copper	26	0.04	18.06	40900	N/A	mg/kg
	BY37-003	748899.077	2082377.241	0	0.5	Lead	1500	0.26	54.62	1000	25.6	mg/kg
	BY37-003	748899.077	2082377.241	0	0.5	Lithium	13	0.47	11.55	20400	N/A	mg/kg
	BY37-003	748899.077	2082377.241	0	0.5	Naphthalene	0.95	5.05	N/A	3090000	N/A	ug/kg
	BY37-003	748899.077	2082377.241	0	0.5	Nickel	15	0.19	14.91	20400	N/A	mg/kg
	BY37-003	748899.077	2082377.241	0	0.5	Toluene	1.5	5.05	N/A	31300000	128000	ug/kg
	BY37-003	748899.077	2082377.241	0	0.5	Uranium, Total	11.64	5.67	5.98	2750	67.8	mg/kg
	BY37-003	748899.077	2082377.241	0.5	2.5	Uranium, Total	4.9	1.4	3.04	2750	67.8	mg/kg
	BY37-003	748899.077	2082377.241	0	0.5	Uranium-234	3.92	1.91	2.25	300	1800	pCi/g
	BY37-003	748899.077	2082377.241	0.5	2.5	Uranium-234	3.63	1.48	2.64	300	1800	pCi/g
	BY37-003	748899.077	2082377.241	0	0.5	Uranium-235	0.15	0.12	0.09	8	1900	pCi/g
	BY37-003	748899.077	2082377.241	0.5	2.5	Uranium-235	0.18	0.12	0.12	8	1900	pCi/g
	BY37-003	748899.077	2082377.241	0	0.5	Uranium-238	3.92	1.91	2	351	1600	pCi/g
	BY37-003	748899.077	2082377.241	0.5	2.5	Uranium-238	3.63	1.48	1.49	351	1600	pCi/g
	BY37-003	748899.077	2082377.241	0	0.5	Xylene	4.5	10.1	N/A	2040000	N/A	ug/kg
	BY37-004	748884.815	2082413.544	0	0.5	Cobalt	11	0.18	10.91	1550	N/A	mg/kg
	BY37-004	748884.815	2082413.544	0	0.5	Copper	28	0.05	18.06	40900	N/A	mg/kg
	BY37-004	748884.815	2082413.544	0	0.5	Uranium, Total	9.27	3.83	5.98	2750	67.8	mg/kg
	BY37-004	748884.815	2082413.544	0.5	2.5	Uranium, Total	11.59	4.31	3.04	2750	67.8	mg/kg
	BY37-004	748884.815	2082413.544	0	0.5	Uranium-234	3.35	1.38	2.25	300	1800	pCi/g
	BY37-004	748884.815	2082413.544	0.5	2.5	Uranium-234	3.9	1.45	2.64	300	1800	pCi/g
	BY37-004	748884.815	2082413.544	0	0.5	Uranium-235	0.18	0.13	0.09	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY37-004	748884.815	2082413.544	0.5	2.5	Uranium-235	0.17	0.12	0.12	8	1900	pCi/g
	BY37-004	748884.815	2082413.544	0	0.5	Uranium-238	3.35	1.38	2	351	1600	pCi/g
	BY37-004	748884.815	2082413.544	0.5	2.5	Uranium-238	3.9	1.45	1.49	351	1600	pCi/g
	BY37-005	748803.783	2082514.672	0	0.5	Acetone	14	98.6	N/A	102000000	211000	ug/kg
	BY37-005	748803.783	2082514.672	0.5	2.5	Acetone	12	103	N/A	102000000	211000	ug/kg
	BY37-005	748803.783	2082514.672	0	0.5	Cobalt	13	0.18	10.91	1550	N/A	mg/kg
	BY37-005	748803.783	2082514.672	0	0.5	Copper	31	0.04	18.06	40900	N/A	mg/kg
	BY37-005	748803.783	2082514.672	0.5	2.5	Copper	46	0.04	38.21	40900	N/A	mg/kg
	BY37-005	748803.783	2082514.672	0	0.5	Uranium, Total	8.94	4.22	5.98	2750	67.8	mg/kg
	BY37-005	748803.783	2082514.672	0.5	2.5	Uranium, Total	3.2	1.4	3.04	2750	67.8	mg/kg
	BY37-005	748803.783	2082514.672	0	0.5	Uranium-234	3.21	1.51	2.25	300	1800	pCi/g
	BY37-005	748803.783	2082514.672	0.5	2.5	Uranium-234	3.77	1.58	2.64	300	1800	pCi/g
	BY37-005	748803.783	2082514.672	0	0.5	Uranium-235	0.19	0.12	0.09	8	1900	pCi/g
	BY37-005	748803.783	2082514.672	0.5	2.5	Uranium-235	0.22	0.12	0.12	8	1900	pCi/g
	BY37-005	748803.783	2082514.672	0	0.5	Uranium-238	3.21	1.51	2	351	1600	pCi/g
	BY37-005	748803.783	2082514.672	0.5	2.5	Uranium-238	3.77	1.58	1.49	351	1600	pCi/g
	BY37-006	748772.085	2082366.663	0	0.5	Aluminum	20000	5.3	16902	228000	N/A	mg/kg
	BY37-006	748772.085	2082366.663	0	0.5	Chromium	17	0.17	16.99	268	N/A	mg/kg
	BY37-006	748772.085	2082366.663	0	0.5	Lithium	12	0.53	11.55	20400	N/A	mg/kg
	BY37-006	748772.085	2082366.663	0	0.5	Uranium, Total	11.66	5.17	5.98	2750	67.8	mg/kg
	BY37-006	748772.085	2082366.663	0.5	2.5	Uranium, Total	20.05	4.37	3.04	2750	67.8	mg/kg
	BY37-006	748772.085	2082366.663	0	0.5	Uranium-234	3.93	1.74	2.25	300	1800	pCi/g
	BY37-006	748772.085	2082366.663	0.5	2.5	Uranium-234	8.38	1.83	2.64	300	1800	pCi/g
	BY37-006	748772.085	2082366.663	0	0.5	Uranium-235	0.2	0.13	0.09	8	1900	pCi/g
	BY37-006	748772.085	2082366.663	0.5	2.5	Uranium-235	0.24	0.17	0.12	8	1900	pCi/g
	BY37-006	748772.085	2082366.663	0	0.5	Uranium-238	3.93	1.74	2	351	1600	pCi/g
	BY37-006	748772.085	2082366.663	0.5	2.5	Uranium-238	8.38	1.83	1.49	351	1600	pCi/g
	BY37-007	748818.99	2082379.8	0	0.5	Aluminum	31000	5.6	16902	228000	N/A	mg/kg
	BY37-007	748818.99	2082379.8	0	0.5	Chromium	28	0.18	16.99	268	N/A	mg/kg
	BY37-007	748818.99	2082379.8	0	0.5	Lithium	14	0.56	11.55	20400	N/A	mg/kg
	BY37-007	748818.99	2082379.8	0	0.5	Mercury	0.22	0.01	0.13	25200	N/A	mg/kg
	BY37-007	748818.99	2082379.8	0	0.5	Selenium	1.5	0.93	1.22	5110	N/A	mg/kg
	BY37-007	748818.99	2082379.8	0	0.5	Uranium, Total	23.8	5.37	5.98	2750	67.8	mg/kg
	BY37-007	748818.99	2082379.8	0.5	2.5	Uranium, Total	10.69	5.05	3.04	2750	67.8	mg/kg
	BY37-007	748818.99	2082379.8	0	0.5	Uranium-234	8.01	1.81	2.25	300	1800	pCi/g
	BY37-007	748818.99	2082379.8	0.5	2.5	Uranium-234	4.23	2	2.64	300	1800	pCi/g
	BY37-007	748818.99	2082379.8	0	0.5	Uranium-235	0.26	0.13	0.09	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY37-007	748818.99	2082379.8	0.5	2.5	Uranium-235	0.2	0.18	0.12	8	1900	pCi/g
	BY37-007	748818.99	2082379.8	0	0.5	Uranium-238	8.01	1.81	2	351	1600	pCi/g
	BY37-007	748818.99	2082379.8	0.5	2.5	Uranium-238	4.23	2	1.49	351	1600	pCi/g
	BY37-008	748799.384	2082463.013	0	0.5	Aluminum	20000	5	16902	228000	N/A	mg/kg
	BY37-008	748799.384	2082463.013	0	0.5	Chromium	17	0.16	16.99	268	N/A	mg/kg
	BY37-008	748799.384	2082463.013	0	0.5	Lithium	13	0.5	11.55	20400	N/A	mg/kg
	BY37-008	748799.384	2082463.013	0	0.5	Nickel	15	0.2	14.91	20400	N/A	mg/kg
	BY37-008	748799.384	2082463.013	0	0.5	Uranium, Total	12.27	4.1	5.98	2750	67.8	mg/kg
	BY37-008	748799.384	2082463.013	0.5	2.5	Uranium, Total	6.98	4.34	3.04	2750	67.8	mg/kg
	BY37-008	748799.384	2082463.013	0	0.5	Uranium-234	4.66	1.56	2.25	300	1800	pCi/g
	BY37-008	748799.384	2082463.013	0.5	2.5	Uranium-234	2.76	1.71	2.64	300	1800	pCi/g
	BY37-008	748799.384	2082463.013	0	0.5	Uranium-235	0.2	0.12	0.09	8	1900	pCi/g
	BY37-008	748799.384	2082463.013	0.5	2.5	Uranium-235	0.21	0.14	0.12	8	1900	pCi/g
	BY37-008	748799.384	2082463.013	0	0.5	Uranium-238	4.66	1.56	2	351	1600	pCi/g
	BY37-008	748799.384	2082463.013	0.5	2.5	Uranium-238	2.76	1.71	1.49	351	1600	pCi/g
	BY37-009	748792.35	2082443.743	0	0.5	Acetone	13	105	N/A	102000000	211000	ug/kg
	BY37-009	748792.35	2082443.743	0	0.5	Beryllium	15	0.1	0.97	921	2.15	mg/kg
	BY37-009	748792.35	2082443.743	0	0.5	Cadmium	14	0.06	1.61	962	N/A	mg/kg
	BY37-009	748792.35	2082443.743	0	0.5	Chromium	30	0.15	16.99	268	N/A	mg/kg
	BY37-009	748792.35	2082443.743	0	0.5	Copper	29	0.05	18.06	40900	N/A	mg/kg
	BY37-009	748792.35	2082443.743	0	0.5	Nickel	18	0.19	14.91	20400	N/A	mg/kg
	BY37-009	748792.35	2082443.743	0	0.5	Uranium, Total	17.94	4.96	5.98	2750	67.8	mg/kg
	BY37-009	748792.35	2082443.743	0	0.5	Uranium-234	6.49	1.8	2.25	300	1800	pCi/g
	BY37-009	748792.35	2082443.743	0	0.5	Uranium-235	0.27	0.14	0.09	8	1900	pCi/g
	BY37-009	748792.35	2082443.743	0	0.5	Uranium-238	6.49	1.8	2	351	1600	pCi/g
	BY37-009	748792.35	2082443.743	0	0.5	Zinc	130	0.45	73.76	307000	N/A	mg/kg
	BY37-010	748821.877	2082433.305	0	0.5	Cadmium	12	0.07	1.61	962	N/A	mg/kg
	BY37-010	748821.877	2082433.305	0.5	2.5	Cadmium	35	0.07	1.7	962	N/A	mg/kg
	BY37-010	748821.877	2082433.305	0	0.5	Lead	34	0.27	54.62	1000	25.6	mg/kg
	BY37-010	748821.877	2082433.305	0	0.5	Uranium, Total	17.85	5.05	5.98	2750	67.8	mg/kg
	BY37-010	748821.877	2082433.305	0.5	2.5	Uranium, Total	13.39	5.68	3.04	2750	67.8	mg/kg
	BY37-010	748821.877	2082433.305	0	0.5	Uranium-234	6.76	1.91	2.25	300	1800	pCi/g
	BY37-010	748821.877	2082433.305	0.5	2.5	Uranium-234	4.51	1.91	2.64	300	1800	pCi/g
	BY37-010	748821.877	2082433.305	0	0.5	Uranium-235	0.28	0.14	0.09	8	1900	pCi/g
	BY37-010	748821.877	2082433.305	0.5	2.5	Uranium-235	0.22	0.11	0.12	8	1900	pCi/g
	BY37-010	748821.877	2082433.305	0	0.5	Uranium-238	6.76	1.91	2	351	1600	pCi/g
	BY37-010	748821.877	2082433.305	0.5	2.5	Uranium-238	4.51	1.91	1.49	351	1600	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY37-011	748843.07	2082544.78	0	0.5	Aluminum	37000	5.2	16902	228000	N/A	mg/kg
	BY37-011	748843.07	2082544.78	0	0.5	Beryllium	1.5	0.11	0.97	921	2.15	mg/kg
	BY37-011	748843.07	2082544.78	0	0.5	Chromium	27	0.16	16.99	268	N/A	mg/kg
	BY37-011	748843.07	2082544.78	0	0.5	Iron	21000	1.5	18037	307000	N/A	mg/kg
	BY37-011	748843.07	2082544.78	0	0.5	Lithium	16	0.52	11.55	20400	N/A	mg/kg
	BY37-011	748843.07	2082544.78	0	0.5	Nickel	21	0.21	14.91	20400	N/A	mg/kg
	BY37-011	748843.07	2082544.78	0	0.5	Selenium	1.8	0.86	1.22	5110	N/A	mg/kg
	BY37-011	748843.07	2082544.78	0	0.5	Uranium, Total	12.45	5.34	5.98	2750	67.8	mg/kg
	BY37-011	748843.07	2082544.78	0.5	2.5	Uranium, Total	12.97	6.54	3.04	2750	67.8	mg/kg
	BY37-011	748843.07	2082544.78	0	0.5	Uranium-234	4.19	1.8	2.25	300	1800	pCi/g
	BY37-011	748843.07	2082544.78	0.5	2.5	Uranium-234	4.37	2.2	2.64	300	1800	pCi/g
	BY37-011	748843.07	2082544.78	0	0.5	Uranium-235	0.26	0.14	0.09	8	1900	pCi/g
	BY37-011	748843.07	2082544.78	0.5	2.5	Uranium-235	0.23	0.15	0.12	8	1900	pCi/g
	BY37-011	748843.07	2082544.78	0	0.5	Uranium-238	4.19	1.8	2	351	1600	pCi/g
	BY37-011	748843.07	2082544.78	0.5	2.5	Uranium-238	4.37	2.2	1.49	351	1600	pCi/g
	BY37-011	748843.07	2082544.78	0	0.5	Vanadium	54	0.5	45.59	7150	433	mg/kg
	BY37-012	748775.236	2082457.192	0	0.5	Acetone	13	110	N/A	102000000	211000	ug/kg
	BY37-012	748775.236	2082457.192	0	0.5	Aluminum	20000	5.1	16902	228000	N/A	mg/kg
	BY37-012	748775.236	2082457.192	0	0.5	Chromium	18	0.16	16.99	268	N/A	mg/kg
	BY37-012	748775.236	2082457.192	0	0.5	Manganese	670	0.18	365.08	3480	N/A	mg/kg
	BY37-012	748775.236	2082457.192	0.5	2.5	Methylene chloride	0.95	0.91	N/A	2530000	39500	ug/kg
	BY37-012	748775.236	2082457.192	0.5	2.5	Naphthalene	0.86	5.16	N/A	3090000	N/A	ug/kg
	BY37-012	748775.236	2082457.192	0	0.5	Nickel	18	0.2	14.91	20400	N/A	mg/kg
	BY37-012	748775.236	2082457.192	0	0.5	Uranium, Total	9.09	4.9	5.98	2750	67.8	mg/kg
	BY37-012	748775.236	2082457.192	0.5	2.5	Uranium, Total	8.85	4.87	3.04	2750	67.8	mg/kg
	BY37-012	748775.236	2082457.192	0	0.5	Uranium-234	3.5	1.89	2.25	300	1800	pCi/g
	BY37-012	748775.236	2082457.192	0.5	2.5	Uranium-234	3.29	1.81	2.64	300	1800	pCi/g
	BY37-012	748775.236	2082457.192	0	0.5	Uranium-235	0.2	0.17	0.09	8	1900	pCi/g
	BY37-012	748775.236	2082457.192	0.5	2.5	Uranium-235	0.16	0.14	0.12	8	1900	pCi/g
	BY37-012	748775.236	2082457.192	0	0.5	Uranium-238	3.5	1.89	2	351	1600	pCi/g
	BY37-012	748775.236	2082457.192	0.5	2.5	Uranium-238	3.29	1.81	1.49	351	1600	pCi/g
	BY37-013	748847.11	2082483.54	0	0.5	2-Butanone	6	5.1	N/A	192000000	433000	ug/kg
	BY37-013	748847.11	2082483.54	0.5	2.5	2-Butanone	8.6	4.9	N/A	192000000	433000	ug/kg
	BY37-013	748847.11	2082483.54	0	0.5	Acetone	24	112	N/A	102000000	211000	ug/kg
	BY37-013	748847.11	2082483.54	0.5	2.5	Acetone	11	4.8	N/A	102000000	211000	ug/kg
	BY37-013	748847.11	2082483.54	0	0.5	Copper	32	0.05	18.06	40900	N/A	mg/kg
	BY37-013	748847.11	2082483.54	0	0.5	Lead	36	0.27	54.62	1000	25.6	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BY37-013	748847.11	2082483.54	0.5	2.5		Lead	53	0.26	24.97	1000	25.6	mg/kg
	748847.11	2082483.54	0	0.5		Methylene chloride	1.1	0.87	N/A	2530000	39500	ug/kg
	748847.11	2082483.54	0.5	2.5		Methylene chloride	0.98	0.84	N/A	2530000	39500	ug/kg
	748847.11	2082483.54	0	0.5		Nickel	20	0.2	14.91	20400	N/A	mg/kg
	748847.11	2082483.54	0	0.5		Uranium, Total	13.39	4.06	5.98	2750	67.8	mg/kg
	748847.11	2082483.54	0.5	2.5		Uranium, Total	8.61	4.28	3.04	2750	67.8	mg/kg
	748847.11	2082483.54	0	0.5		Uranium-234	4.51	1.37	2.25	300	1800	pCi/g
	748847.11	2082483.54	0.5	2.5		Uranium-234	3.17	1.57	2.64	300	1800	pCi/g
	748847.11	2082483.54	0	0.5		Uranium-235	0.2	0.12	0.09	8	1900	pCi/g
	748847.11	2082483.54	0.5	2.5		Uranium-235	0.15	0.13	0.12	8	1900	pCi/g
	748847.11	2082483.54	0	0.5		Uranium-238	4.51	1.37	2	351	1600	pCi/g
	748847.11	2082483.54	0.5	2.5		Uranium-238	3.17	1.57	1.49	351	1600	pCi/g
	748876.494	2082354.807	0	0.5		Aluminum	18000	4.6	16902	228000	N/A	mg/kg
	748876.494	2082354.807	0	0.5		Chromium	19	0.14	16.99	268	N/A	mg/kg
	748876.494	2082354.807	0	0.5		Cobalt	22	0.17	10.91	1550	N/A	mg/kg
	748876.494	2082354.807	0	0.5		Copper	60	0.04	18.06	40900	N/A	mg/kg
	748876.494	2082354.807	0	0.5		Lithium	14	0.46	11.55	20400	N/A	mg/kg
	748876.494	2082354.807	0	0.5		Nickel	17	0.18	14.91	20400	N/A	mg/kg
	748876.494	2082354.807	0	0.5		Uranium, Total	11.46	4.01	5.98	2750	67.8	mg/kg
	748876.494	2082354.807	0	0.5		Uranium-234	4.02	1.41	2.25	300	1800	pCi/g
	748876.494	2082354.807	0	0.5		Uranium-235	0.19	0.14	0.09	8	1900	pCi/g
	748876.494	2082354.807	0	0.5		Uranium-238	4.02	1.41	2	351	1600	pCi/g
	748899.080	2082377.230	0	0.5		Arsenic	15.7	4	10.09	22.2	21.6	mg/kg
	748899.080	2082377.230	0	0.5		Barium	554	117	141.26	26400	N/A	mg/kg
	748899.080	2082377.230	0	0.5		Copper	76.6	5	18.06	40900	N/A	mg/kg
	748899.080	2082377.230	0	0.5		Iron	31900	820	18037	307000	N/A	mg/kg
	748899.080	2082377.230	0	0.5		Lead	201	9	54.62	1000	25.6	mg/kg
	748899.080	2082377.230	0	0.5		Manganese	483	11	365.08	3480	N/A	mg/kg
	748899.080	2082377.230	0	0.5		Nickel	49	6	14.91	20400	N/A	mg/kg
	748899.080	2082377.230	0	0.5		Strontium	237	12	48.94	613000	N/A	mg/kg
	748899.080	2082377.230	0	0.5		Vanadium	115	17	45.59	7150	433	mg/kg
	748899.080	2082377.230	0	0.5		Zinc	122	3	73.76	307000	N/A	mg/kg
UBC 447	BW35-002	748552.885	2082068.888	0	0.5	Acetone	25	111	N/A	102000000	211000	ug/kg
	BW35-002	748552.885	2082068.888	0	0.5	Aluminum	21000	5.4	16902	228000	N/A	mg/kg
	BW35-002	748552.885	2082068.888	0	0.5	Beryllium	0.99	0.11	0.97	921	2.15	mg/kg
	BW35-002	748552.885	2082068.888	0	0.5	Chromium	19	0.17	16.99	268	N/A	mg/kg
	BW35-002	748552.885	2082068.888	0	0.5	Cobalt	14	0.2	10.91	1550	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BW35-002	748552.885	2082068.888		0	0.5	Copper	33	0.05	18.06	40900	N/A	mg/kg
BW35-002	748552.885	2082068.888		0	0.5	Lithium	12	0.54	11.55	20400	N/A	mg/kg
BW35-002	748552.885	2082068.888		0	0.5	Nickel	16	0.22	14.91	20400	N/A	mg/kg
BW35-002	748552.885	2082068.888		0	0.5	Strontium	51	0.07	48.94	613000	N/A	mg/kg
BW35-002	748552.885	2082068.888		0	0.5	Uranium, Total	8.67	4.16	5.98	2750	67.8	mg/kg
BW35-002	748552.885	2082068.888		0	0.5	Uranium-234	3.48	1.67	2.25	300	1800	pCi/g
BW35-002	748552.885	2082068.888		0	0.5	Uranium-235	0.2	0.13	0.09	8	1900	pCi/g
BW35-002	748552.885	2082068.888		0	0.5	Uranium-238	3.48	1.67	2	351	1600	pCi/g
BW35-003	748549.78	2082054.842		0	0.5	Acetone	17	5.2	N/A	102000000	211000	ug/kg
BW35-003	748549.78	2082054.842		0	0.5	Aluminum	24000	5.1	16902	228000	N/A	mg/kg
BW35-003	748549.78	2082054.842		0	0.5	Beryllium	1.1	0.11	0.97	921	2.15	mg/kg
BW35-003	748549.78	2082054.842		0	0.5	Chromium	19	0.16	16.99	268	N/A	mg/kg
BW35-003	748549.78	2082054.842		0	0.5	Copper	20	0.05	18.06	40900	N/A	mg/kg
BW35-003	748549.78	2082054.842		0	0.5	Lithium	13	0.51	11.55	20400	N/A	mg/kg
BW35-003	748549.78	2082054.842		0	0.5	Methylene chloride	1.2	0.9	N/A	2530000	39500	ug/kg
BW35-003	748549.78	2082054.842		0.5	2.5	Methylene chloride	1	0.89	N/A	2530000	39500	ug/kg
BW35-003	748549.78	2082054.842		0.5	2.5	Naphthalene	0.98	5.67	N/A	3090000	N/A	ug/kg
BW35-003	748549.78	2082054.842		0	0.5	Nickel	15	0.2	14.91	20400	N/A	mg/kg
BW35-003	748549.78	2082054.842		0	0.5	Uranium, Total	14.78	5.81	5.98	2750	67.8	mg/kg
BW35-003	748549.78	2082054.842		0.5	2.5	Uranium, Total	3.27	0.75	3.04	2750	67.8	mg/kg
BW35-003	748549.78	2082054.842		0	0.5	Uranium-234	4.98	1.96	2.25	300	1800	pCi/g
BW35-003	748549.78	2082054.842		0.5	2.5	Uranium-234	4.21	1.9	2.64	300	1800	pCi/g
BW35-003	748549.78	2082054.842		0	0.5	Uranium-235	0.21	0.2	0.09	8	1900	pCi/g
BW35-003	748549.78	2082054.842		0.5	2.5	Uranium-235	0.47	0.29	0.12	8	1900	pCi/g
BW35-003	748549.78	2082054.842		0	0.5	Uranium-238	4.98	1.96	2	351	1600	pCi/g
BW35-003	748549.78	2082054.842		0.5	2.5	Uranium-238	4.21	1.9	1.49	351	1600	pCi/g
BW35-004	748536.921	2082032.27		0	0.5	Aluminum	27000	5.5	16902	228000	N/A	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Barium	170	0.42	141.26	26400	N/A	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Beryllium	1.2	0.12	0.97	921	2.15	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Chromium	24	0.17	16.99	268	N/A	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Cobalt	19	0.21	10.91	1550	N/A	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Copper	41	0.05	18.06	40900	N/A	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Iron	22000	1.6	18037	307000	N/A	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Lithium	16	0.55	11.55	20400	N/A	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Manganese	550	0.2	365.08	3480	N/A	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Nickel	22	0.22	14.91	20400	N/A	mg/kg
BW35-004	748536.921	2082032.27		0	0.5	Strontium	63	0.07	48.94	613000	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
BW35-004	748536.921	2082032.27	0	0.5	Uranium, Total	53.73	8.95	5.98	2750	67.8	mg/kg	
BW35-004	748536.921	2082032.27	0	0.5	Uranium-234	18.09	3.01	2.25	300	1800	pCi/g	
BW35-004	748536.921	2082032.27	0	0.5	Uranium-235	0.41	0.17	0.09	8	1900	pCi/g	
BW35-004	748536.921	2082032.27	0	0.5	Uranium-238	18.09	3.01	2	351	1600	pCi/g	
BW35-004	748536.921	2082032.27	0	0.5	Vanadium	52	0.53	45.59	7150	433	mg/kg	
BW35-005	748529.97	2082104	0	0.5	Aluminum	20000	5.3	16902	228000	N/A	mg/kg	
BW35-005	748529.97	2082104	0	0.5	Beryllium	0.97	0.11	0.97	921	2.15	mg/kg	
BW35-005	748529.97	2082104	0	0.5	Chromium	18	0.16	16.99	268	N/A	mg/kg	
BW35-005	748529.97	2082104	0	0.5	Lead	590	0.29	54.62	1000	25.6	mg/kg	
BW35-005	748529.97	2082104	0	0.5	Uranium, Total	12.29	4.72	5.98	2750	67.8	mg/kg	
BW35-005	748529.97	2082104	0.5	2.5	Uranium, Total	15.86	4.28	3.04	2750	67.8	mg/kg	
BW35-005	748529.97	2082104	0	0.5	Uranium-234	4.14	1.59	2.25	300	1800	pCi/g	
BW35-005	748529.97	2082104	0.5	2.5	Uranium-234	6.26	1.69	2.64	300	1800	pCi/g	
BW35-005	748529.97	2082104	0	0.5	Uranium-235	0.18	0.12	0.09	8	1900	pCi/g	
BW35-005	748529.97	2082104	0.5	2.5	Uranium-235	0.29	0.19	0.12	8	1900	pCi/g	
BW35-005	748529.97	2082104	0	0.5	Uranium-238	4.14	1.59	2	351	1600	pCi/g	
BW35-005	748529.97	2082104	0.5	2.5	Uranium-238	6.26	1.69	1.49	351	1600	pCi/g	
BW36-015	748592.78	2082067.739	0	0.5	Acetone	36	120	N/A	102000000	211000	ug/kg	
BW36-015	748592.78	2082067.739	0	0.5	Aluminum	21000	5.3	16902	228000	N/A	mg/kg	
BW36-015	748592.78	2082067.739	0	0.5	Beryllium	1.1	0.11	0.97	921	2.15	mg/kg	
BW36-015	748592.78	2082067.739	0	0.5	Chromium	17	0.17	16.99	268	N/A	mg/kg	
BW36-015	748592.78	2082067.739	0	0.5	Lithium	12	0.53	11.55	20400	N/A	mg/kg	
BW36-015	748592.78	2082067.739	0	0.5	Uranium, Total	8.02	4.13	5.98	2750	67.8	mg/kg	
BW36-015	748592.78	2082067.739	0.5	2.5	Uranium, Total	16.23	6.38	3.04	2750	67.8	mg/kg	
BW36-015	748592.78	2082067.739	0	0.5	Uranium-234	3.3	1.7	2.25	300	1800	pCi/g	
BW36-015	748592.78	2082067.739	0.5	2.5	Uranium-234	5.46	2.15	2.64	300	1800	pCi/g	
BW36-015	748592.78	2082067.739	0.5	2.5	Uranium-235	0.31	0.15	0.12	8	1900	pCi/g	
BW36-015	748592.78	2082067.739	0	0.5	Uranium-238	3.3	1.7	2	351	1600	pCi/g	
BW36-015	748592.78	2082067.739	0.5	2.5	Uranium-238	5.46	2.15	1.49	351	1600	pCi/g	
BW36-016	748564.36	2082125.641	0	0.5	Aluminum	33000	5.5	16902	228000	N/A	mg/kg	
BW36-016	748564.36	2082125.641	0	0.5	Beryllium	1.6	0.11	0.97	921	2.15	mg/kg	
BW36-016	748564.36	2082125.641	0	0.5	Chromium	25	0.17	16.99	268	N/A	mg/kg	
BW36-016	748564.36	2082125.641	0	0.5	Cobalt	34	0.21	10.91	1550	N/A	mg/kg	
BW36-016	748564.36	2082125.641	0	0.5	Copper	80	0.05	18.06	40900	N/A	mg/kg	
BW36-016	748564.36	2082125.641	0	0.5	Iron	21000	1.6	18037	307000	N/A	mg/kg	
BW36-016	748564.36	2082125.641	0	0.5	Lithium	16	0.55	11.55	20400	N/A	mg/kg	
BW36-016	748564.36	2082125.641	0	0.5	Nickel	21	0.22	14.91	20400	N/A	mg/kg	

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BW36-016	748564.36	2082125.641	0	0.5	Tin	7.7	0.95	2.9	613000	N/A	mg/kg
	BW36-016	748564.36	2082125.641	0	0.5	Uranium, Total	9.18	4.66	5.98	2750	67.8	mg/kg
	BW36-016	748564.36	2082125.641	0.5	2.5	Uranium, Total	12.53	4.75	3.04	2750	67.8	mg/kg
	BW36-016	748564.36	2082125.641	0	0.5	Uranium-234	3.09	1.57	2.25	300	1800	pCi/g
	BW36-016	748564.36	2082125.641	0.5	2.5	Uranium-234	4.79	1.82	2.64	300	1800	pCi/g
	BW36-016	748564.36	2082125.641	0.5	2.5	Uranium-235	0.23	0.16	0.12	8	1900	pCi/g
	BW36-016	748564.36	2082125.641	0	0.5	Uranium-238	3.09	1.57	2	351	1600	pCi/g
	BW36-016	748564.36	2082125.641	0.5	2.5	Uranium-238	4.79	1.82	1.49	351	1600	pCi/g
	BW36-016	748564.36	2082125.641	0	0.5	Vanadium	51	0.52	45.59	7150	433	mg/kg
	BX35-001	748534.978	2082236.087	0	0.5	Aluminum	38000	5.3	16902	228000	N/A	mg/kg
	BX35-001	748534.978	2082236.087	0	0.5	Beryllium	1.5	0.11	0.97	921	2.15	mg/kg
	BX35-001	748534.978	2082236.087	0	0.5	Chromium	27	0.16	16.99	268	N/A	mg/kg
	BX35-001	748534.978	2082236.087	0	0.5	Iron	20000	1.5	18037	307000	N/A	mg/kg
	BX35-001	748534.978	2082236.087	0	0.5	Lithium	20	0.53	11.55	20400	N/A	mg/kg
	BX35-001	748534.978	2082236.087	0	0.5	Naphthalene	1.2	6.08	N/A	3090000	N/A	ug/kg
	BX35-001	748534.978	2082236.087	0	0.5	Nickel	22	0.21	14.91	20400	N/A	mg/kg
	BX35-001	748534.978	2082236.087	0	0.5	Uranium, Total	13.38	5.18	5.98	2750	67.8	mg/kg
	BX35-001	748534.978	2082236.087	0.5	2.5	Uranium, Total	10.26	5.95	3.04	2750	67.8	mg/kg
	BX35-001	748534.978	2082236.087	0	0.5	Uranium-234	4.51	1.75	2.25	300	1800	pCi/g
	BX35-001	748534.978	2082236.087	0.5	2.5	Uranium-234	3.46	2	2.64	300	1800	pCi/g
	BX35-001	748534.978	2082236.087	0	0.5	Uranium-235	0.25	0.14	0.09	8	1900	pCi/g
	BX35-001	748534.978	2082236.087	0.5	2.5	Uranium-235	0.31	0.17	0.12	8	1900	pCi/g
	BX35-001	748534.978	2082236.087	0	0.5	Uranium-238	4.51	1.75	2	351	1600	pCi/g
	BX35-001	748534.978	2082236.087	0.5	2.5	Uranium-238	3.46	2	1.49	351	1600	pCi/g
	BX35-001	748534.978	2082236.087	0	0.5	Vanadium	50	0.5	45.59	7150	433	mg/kg
	BX35-002	748539.58	2082154.314	0	0.5	Aluminum	19000	5.2	16902	228000	N/A	mg/kg
	BX35-002	748539.58	2082154.314	0	0.5	Beryllium	0.99	0.11	0.97	921	2.15	mg/kg
	BX35-002	748539.58	2082154.314	0	0.5	Nickel	15	0.21	14.91	20400	N/A	mg/kg
	BX35-002	748539.58	2082154.314	0	0.5	Uranium, Total	12.24	4.51	5.98	2750	67.8	mg/kg
	BX35-002	748539.58	2082154.314	0.5	2.5	Uranium, Total	12.24	4.8	3.04	2750	67.8	mg/kg
	BX35-002	748539.58	2082154.314	0	0.5	Uranium-234	4.68	1.73	2.25	300	1800	pCi/g
	BX35-002	748539.58	2082154.314	0.5	2.5	Uranium-234	4.12	1.62	2.64	300	1800	pCi/g
	BX35-002	748539.58	2082154.314	0	0.5	Uranium-235	0.16	0.16	0.09	8	1900	pCi/g
	BX35-002	748539.58	2082154.314	0.5	2.5	Uranium-235	0.21	0.15	0.12	8	1900	pCi/g
	BX35-002	748539.58	2082154.314	0	0.5	Uranium-238	4.68	1.73	2	351	1600	pCi/g
	BX35-002	748539.58	2082154.314	0.5	2.5	Uranium-238	4.12	1.62	1.49	351	1600	pCi/g
	BX35-004	748525.25	2082175.79	0	0.5	Copper	20	0.04	18.06	40900	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX35-004	748525.25	2082175.79	0	0.5	Uranium, Total	13.07	5.44	5.98	2750	67.8	mg/kg
	BX35-004	748525.25	2082175.79	0.5	2.5	Uranium, Total	3.4	1.5	3.04	2750	67.8	mg/kg
	BX35-004	748525.25	2082175.79	0	0.5	Uranium-234	4.56	1.9	2.25	300	1800	pCi/g
	BX35-004	748525.25	2082175.79	0.5	2.5	Uranium-234	5.17	2.37	2.64	300	1800	pCi/g
	BX35-004	748525.25	2082175.79	0	0.5	Uranium-235	0.2	0.15	0.09	8	1900	pCi/g
	BX35-004	748525.25	2082175.79	0.5	2.5	Uranium-235	0.25	0.21	0.12	8	1900	pCi/g
	BX35-004	748525.25	2082175.79	0	0.5	Uranium-238	4.56	1.9	2	351	1600	pCi/g
	BX35-004	748525.25	2082175.79	0.5	2.5	Uranium-238	5.17	2.37	1.49	351	1600	pCi/g
	BX36-008	748563.98	2082172.014	0	0.5	4-Methyl-2-pentanone	12	56.9	N/A	16400000	N/A	ug/kg
	BX36-008	748563.98	2082172.014	0	0.5	Aluminum	25000	4.9	16902	228000	N/A	mg/kg
	BX36-008	748563.98	2082172.014	0	0.5	Beryllium	1.3	0.1	0.97	921	2.15	mg/kg
	BX36-008	748563.98	2082172.014	0	0.5	Chromium	19	0.15	16.99	268	N/A	mg/kg
	BX36-008	748563.98	2082172.014	0	0.5	Lithium	14	0.49	11.55	20400	N/A	mg/kg
	BX36-008	748563.98	2082172.014	0	0.5	Naphthalene	3.2	5.69	N/A	3090000	N/A	ug/kg
	BX36-008	748563.98	2082172.014	0	0.5	Nickel	17	0.2	14.91	20400	N/A	mg/kg
	BX36-008	748563.98	2082172.014	0	0.5	Tetrachloroethene	4.6	5.69	N/A	615000	37500	ug/kg
	BX36-008	748563.98	2082172.014	0	0.5	Uranium, Total	19.95	5.02	5.98	2750	67.8	mg/kg
	BX36-008	748563.98	2082172.014	0	0.5	Uranium-234	6.72	1.69	2.25	300	1800	pCi/g
	BX36-008	748563.98	2082172.014	0	0.5	Uranium-238	6.72	1.69	2	351	1600	pCi/g
	BX36-008	748563.98	2082172.014	0	0.5	Xylene	6.1	11.4	N/A	2040000	N/A	ug/kg
	BX36-009	748563.652	2082219.449	0	0.5	Aluminum	28000	5.1	16902	228000	N/A	mg/kg
	BX36-009	748563.652	2082219.449	0	0.5	Beryllium	1.3	0.11	0.97	921	2.15	mg/kg
	BX36-009	748563.652	2082219.449	0	0.5	Chromium	20	0.16	16.99	268	N/A	mg/kg
	BX36-009	748563.652	2082219.449	0	0.5	Lead	29	0.28	54.62	1000	25.6	mg/kg
	BX36-009	748563.652	2082219.449	0	0.5	Lithium	15	0.51	11.55	20400	N/A	mg/kg
	BX36-009	748563.652	2082219.449	0	0.5	Naphthalene	1.1	5.54	N/A	3090000	N/A	ug/kg
	BX36-009	748563.652	2082219.449	0.5	2.5	Naphthalene	1.1	6.24	N/A	3090000	N/A	ug/kg
	BX36-009	748563.652	2082219.449	0	0.5	Nickel	19	0.2	14.91	20400	N/A	mg/kg
	BX36-009	748563.652	2082219.449	0	0.5	Strontium	59	0.06	48.94	613000	N/A	mg/kg
	BX36-009	748563.652	2082219.449	0	0.5	Uranium, Total	9.92	4.31	5.98	2750	67.8	mg/kg
	BX36-009	748563.652	2082219.449	0.5	2.5	Uranium, Total	11.19	4.95	3.04	2750	67.8	mg/kg
	BX36-009	748563.652	2082219.449	0	0.5	Uranium-234	3.87	1.68	2.25	300	1800	pCi/g
	BX36-009	748563.652	2082219.449	0.5	2.5	Uranium-234	3.77	1.67	2.64	300	1800	pCi/g
	BX36-009	748563.652	2082219.449	0	0.5	Uranium-235	0.22	0.13	0.09	8	1900	pCi/g
	BX36-009	748563.652	2082219.449	0.5	2.5	Uranium-235	0.21	0.11	0.12	8	1900	pCi/g
	BX36-009	748563.652	2082219.449	0	0.5	Uranium-238	3.87	1.68	2	351	1600	pCi/g
	BX36-009	748563.652	2082219.449	0.5	2.5	Uranium-238	3.77	1.67	1.49	351	1600	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-015	748590.456	2082144.902	0	0.5	Aluminum	30000	5.2	16902	228000	N/A	mg/kg
	BX36-015	748590.456	2082144.902	0	0.5	Beryllium	1.3	0.11	0.97	921	2.15	mg/kg
	BX36-015	748590.456	2082144.902	0	0.5	Chromium	19	0.16	16.99	268	N/A	mg/kg
	BX36-015	748590.456	2082144.902	0	0.5	Iron	19000	1.5	18037	307000	N/A	mg/kg
	BX36-015	748590.456	2082144.902	0	0.5	Lithium	15	0.52	11.55	20400	N/A	mg/kg
	BX36-015	748590.456	2082144.902	0	0.5	Nickel	17	0.21	14.91	20400	N/A	mg/kg
	BX36-015	748590.456	2082144.902	0	0.5	Uranium, Total	9	4.6	5.98	2750	67.8	mg/kg
	BX36-015	748590.456	2082144.902	0.5	2.5	Uranium, Total	13.72	5.42	3.04	2750	67.8	mg/kg
	BX36-015	748590.456	2082144.902	0	0.5	Uranium-234	3.56	1.82	2.25	300	1800	pCi/g
	BX36-015	748590.456	2082144.902	0.5	2.5	Uranium-234	4.62	1.83	2.64	300	1800	pCi/g
	BX36-015	748590.456	2082144.902	0	0.5	Uranium-235	0.22	0.15	0.09	8	1900	pCi/g
	BX36-015	748590.456	2082144.902	0.5	2.5	Uranium-235	0.22	0.14	0.12	8	1900	pCi/g
	BX36-015	748590.456	2082144.902	0	0.5	Uranium-238	3.56	1.82	2	351	1600	pCi/g
	BX36-015	748590.456	2082144.902	0.5	2.5	Uranium-238	4.62	1.83	1.49	351	1600	pCi/g
	BX36-016	748584.71	2082216.672	0	0.5	Aluminum	25000	5.1	16902	228000	N/A	mg/kg
	BX36-016	748584.71	2082216.672	0	0.5	Beryllium	1.2	0.11	0.97	921	2.15	mg/kg
	BX36-016	748584.71	2082216.672	0	0.5	Chromium	18	0.16	16.99	268	N/A	mg/kg
	BX36-016	748584.71	2082216.672	0	0.5	Cobalt	11	0.19	10.91	1550	N/A	mg/kg
	BX36-016	748584.71	2082216.672	0	0.5	Copper	24	0.05	18.06	40900	N/A	mg/kg
	BX36-016	748584.71	2082216.672	0	0.5	Lithium	14	0.51	11.55	20400	N/A	mg/kg
	BX36-016	748584.71	2082216.672	0	0.5	Nickel	17	0.2	14.91	20400	N/A	mg/kg
	BX36-016	748584.71	2082216.672	0	0.5	Uranium, Total	12.44	4.99	5.98	2750	67.8	mg/kg
	BX36-016	748584.71	2082216.672	0.5	2.5	Uranium, Total	11.64	4.69	3.04	2750	67.8	mg/kg
	BX36-016	748584.71	2082216.672	0	0.5	Uranium-234	4.56	1.83	2.25	300	1800	pCi/g
	BX36-016	748584.71	2082216.672	0.5	2.5	Uranium-234	4.26	1.72	2.64	300	1800	pCi/g
	BX36-016	748584.71	2082216.672	0	0.5	Uranium-235	0.2	0.12	0.09	8	1900	pCi/g
	BX36-016	748584.71	2082216.672	0.5	2.5	Uranium-235	0.2	0.17	0.12	8	1900	pCi/g
	BX36-016	748584.71	2082216.672	0	0.5	Uranium-238	4.56	1.83	2	351	1600	pCi/g
	BX36-016	748584.71	2082216.672	0.5	2.5	Uranium-238	4.26	1.72	1.49	351	1600	pCi/g
	BX36-017	748649.738	2082185.764	0	0.5	Acetone	13	104	N/A	102000000	211000	ug/kg
	BX36-017	748649.738	2082185.764	0	0.5	Antimony	0.5	0.28	0.47	409	N/A	mg/kg
	BX36-017	748649.738	2082185.764	0	0.5	Copper	25	0.05	18.06	40900	N/A	mg/kg
	BX36-017	748649.738	2082185.764	0	0.5	Uranium, Total	9.86	5.58	5.98	2750	67.8	mg/kg
	BX36-017	748649.738	2082185.764	0.5	2.5	Uranium, Total	13.94	5.88	3.04	2750	67.8	mg/kg
	BX36-017	748649.738	2082185.764	0	0.5	Uranium-234	3.52	2	2.25	300	1800	pCi/g
	BX36-017	748649.738	2082185.764	0.5	2.5	Uranium-234	4.69	1.98	2.64	300	1800	pCi/g
	BX36-017	748649.738	2082185.764	0.5	2.5	Uranium-235	0.25	0.16	0.12	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-017	748649.738	2082185.764	0	0.5	Uranium-238	3.52	2	2	351	1600	pCi/g
	BX36-017	748649.738	2082185.764	0.5	2.5	Uranium-238	4.69	1.98	1.49	351	1600	pCi/g

Bold – Denotes analyte exceeds either WRW AL and/or ecological receptor AL.

Special Note – On occasion results less than the number listed in the Detection Limit column are reported. This is correct; because the Detection Limit column is populated with both reporting limits and method detection limits.

2.1 Analytical Results

Analytical results indicate that the analytes shown in Table 4 are present in soil at concentrations greater than RFCA soil wildlife refuge worker (WRW) ALs or ecological receptor ALs (DOE et al. 2003).

Table 4
IHSS Group 400-3 AL Exceedances

Location	Analyte	Result	AL Exceeded	AL Value (mg/kg)	Start Depth (feet)	End Depth (feet)
BW36-005	Beryllium	2.8	Ecological	2.15	0	0.5
BY36-017	Beryllium	4.4	Ecological	2.15	0	0.5
BY36-018	Beryllium	3.8	Ecological	2.15	0	0.5
BY37-009	Beryllium	15	Ecological	2.15	0	0.5
BZ37-000	Beryllium	2.7	Ecological	2.15	0	0.5
BY35-001-01	Beryllium	2.5	Ecological	2.15	0.5	2.5
BY35-003-01	Beryllium	3.3	Ecological	2.15	0.5	2.5
BY35-004	Beryllium	2.3	Ecological	2.15	0.5	2.5
BY35-005	Beryllium	2.4	Ecological	2.15	0.5	2.5
BY36-017	Beryllium	2.2	Ecological	2.15	0.5	2.5
BZ36-001-01	Beryllium	2.9	Ecological	2.15	2.5	4.5
BZ37-000	Beryllium	3.3	Ecological	2.15	2.5	4.5
BW35-001	Lead	27	Ecological	25.6	0	0.5
BW35-005	Lead	590	Ecological	25.6	0	0.5
BX36-009	Lead	29	Ecological	25.6	0	0.5
BY36-018	Lead	72	Ecological	25.6	0	0.5
BY37-003	Lead	1500	WRW	1000	0	0.5
BY37-010	Lead	34	Ecological	25.6	0	0.5
BY37-013	Lead	36	Ecological	25.6	0	0.5
BY37-027	Lead	201	Ecological	25.6	0	0.5
BX37-011	Lead	34	Ecological	25.6	0.5	2.5
BY36-018	Lead	51	Ecological	25.6	0.5	2.5
BY37-013	Lead	53	Ecological	25.6	0.5	2.5
BZ35-002-01	Lead	35	Ecological	25.6	0.5	2.5
BY36-008	Uranium, Total	104.8	Ecological	67.8	0	0.5
BY36-008	Uranium, Total	280	Ecological	67.8	0.5	2.5

One liquid sample was collected from the elevator pit from UBC 444/447 when water was encountered in the borehole at location BY36-010. Analytical results indicate all contaminant concentrations in the borehole samples were below RFCA Tier II groundwater ALs with one exception. The uranium-238 concentration at location BY36-010 was 1.21 picocuries per liter (pCi/L), and the Tier II AL is 0.768 pCi/L. The Tier I

AL for uranium-238 is 76.8 pCi/L. Further groundwater evaluation will be part of the groundwater plume remedial decision and future Sitewide evaluation. The raw data are included in the enclosed CD as a separate file.

2.2 SORs

RFCA SORs were calculated for the IHSS Group 400-3 sampling locations. SOR calculations were based on accelerated action analytical data for the radionuclides of concern (americium-241, plutonium-239/240, uranium-234, uranium-235, and uranium-238) with activities greater than background means plus two standard deviations. Table 5 presents the SORs for surface and subsurface soil. All SORs are less than 1.

Table 5
RFCA SORs Based on IHSS Group 400-3 Radionuclide Activities

Location	Start Depth (ft)	End Depth (ft)	SOR
BW35-000	0.5	2.5	0.063
BW35-001	0.0	0.5	0.088
BW35-001	0.5	2.5	0.006
BW35-002	0.0	0.5	0.047
BW35-003	0.0	0.5	0.090
BW35-003	0.5	2.5	0.112
BW35-004	0.0	0.5	0.163
BW35-005	0.0	0.5	0.048
BW35-005	0.5	2.5	0.075
BW36-000	0.0	0.5	0.019
BW36-000	0.5	2.5	0.049
BW36-001	0.0	0.5	0.034
BW36-001	0.5	2.5	0.042
BW36-002	0.0	0.5	0.044
BW36-002	0.5	2.5	0.047
BW36-003	0.0	0.5	0.047
BW36-003	0.5	2.5	0.019
BW36-004	0.5	2.5	0.051
BW36-005	0.5	2.5	0.024
BW36-006	0.0	0.5	0.063
BW36-006	0.5	2.5	0.050
BW36-007	0.5	2.5	0.052
BW36-008	0.0	0.5	0.049
BW36-008	0.5	2.5	0.056
BW36-009	0.0	0.5	0.014
BW36-009	0.5	2.5	0.022
BW36-010	0.0	0.5	0.054
BW36-010	0.5	2.5	0.053
BW36-011	0.0	0.5	0.050
BW36-011	0.5	2.5	0.061
BW36-012	0.5	2.5	0.049
BW36-013	0.0	0.5	0.025
BW36-013	0.5	2.5	0.055
BW36-014	0.0	0.5	0.055

Location	Start Depth (ft)	End Depth (ft)	SOR
BW36-015	0.0	0.5	0.020
BW36-015	0.5	2.5	0.072
BW36-016	0.0	0.5	0.019
BW36-016	0.5	2.5	0.059
BW37-000	0.0	0.5	0.057
BW37-000	0.5	2.5	0.025
BW37-001	0.0	0.5	0.025
BW37-001	0.5	2.5	0.021
BW37-002	0.0	0.5	0.020
BX35-000	0.0	0.5	0.063
BX35-000	0.5	2.5	0.061
BX35-001	0.0	0.5	0.059
BX35-001	0.5	2.5	0.060
BX35-002	0.0	0.5	0.049
BX35-002	0.5	2.5	0.051
BX35-003	0.0	0.5	0.051
BX35-003	0.5	2.5	0.043
BX35-004	0.0	0.5	0.053
BX35-004	0.5	2.5	0.064
BX36-000	0.0	0.5	0.072
BX36-000	0.5	2.5	0.057
BX36-001	0.0	0.5	0.052
BX36-001	0.5	2.5	0.022
BX36-002	0.0	0.5	0.050
BX36-002	0.5	2.5	0.045
BX36-003	0.0	0.5	0.056
BX36-003	0.5	2.5	0.059
BX36-004	0.0	0.5	0.017
BX36-004	0.5	2.5	0.044
BX36-005	0.0	0.5	0.068
BX36-005	0.5	2.5	0.077
BX36-006	0.0	0.5	0.051
BX36-006	0.5	2.5	0.005
BX36-007	0.0	0.5	0.046
BX36-007	0.5	2.5	0.004
BX36-008	0.0	0.5	0.042
BX36-009	0.0	0.5	0.051
BX36-009	0.5	2.5	0.049
BX36-011	0.0	0.5	0.059
BX36-011	0.5	2.5	0.045
BX36-012	0.0	0.5	0.186
BX36-012	0.5	2.5	0.205
BX36-013	0.0	0.5	0.044
BX36-013	0.5	2.5	0.055
BX36-014	0.0	0.5	0.042
BX36-014	0.5	2.5	0.039
BX36-015	0.0	0.5	0.050
BX36-015	0.5	2.5	0.056
BX36-016	0.0	0.5	0.053
BX36-016	0.5	2.5	0.052

Location	Start Depth (ft)	End Depth (ft)	SOR
BX36-017	0.0	0.5	0.022
BX36-017	0.5	2.5	0.060
BX37-000	2.5	4.5	0.054
BX37-000	4.5	6.5	0.054
BX37-000	6.5	8.5	0.046
BX37-001	0.0	0.5	0.047
BX37-001	0.5	2.5	0.060
BX37-002	0.0	0.5	0.027
BX37-002	0.5	2.5	0.043
BX37-003	0.0	0.5	0.051
BX37-003	0.5	2.5	0.028
BX37-004	0.0	0.5	0.022
BX37-004	0.5	2.5	0.019
BX37-005	0.0	0.5	0.161
BX37-005	0.5	2.5	0.112
BX37-006	0.0	0.5	0.050
BX37-006	0.5	2.5	0.019
BX37-007	0.0	0.5	0.051
BX37-007	0.5	2.5	0.080
BX37-008	0.0	0.5	0.052
BX37-008	0.5	2.5	0.048
BX37-009	0.0	0.5	0.047
BX37-009	0.5	2.5	0.049
BX37-010	0.0	0.5	0.048
BX37-010	0.5	2.5	0.051
BX37-011	0.0	0.5	0.057
BX37-011	0.5	2.5	0.029
BY35-000-01	0.0	0.5	0.048
BY35-000-01	0.5	2.5	0.054
BY35-001-01	0.0	0.5	0.048
BY35-001-01	0.5	2.5	0.060
BY35-002-01	0.0	0.5	0.044
BY35-002-01	0.5	2.5	0.049
BY35-003-01	0.0	0.5	0.057
BY35-003-01	0.5	2.5	0.058
BY35-004	0.0	0.5	0.057
BY35-004	0.5	2.5	0.048
BY35-005	0.0	0.5	0.038
BY35-005	0.5	2.5	0.050
BY36-001	0.0	0.5	0.051
BY36-001	0.5	2.5	0.058
BY36-003	0.0	0.5	0.075
BY36-003	0.5	2.5	0.063
BY36-004	0.0	0.5	0.129
BY36-004	0.5	2.5	0.049
BY36-005	0.0	0.5	0.022
BY36-005	0.5	2.5	0.044
BY36-006	0.0	0.5	0.060
BY36-007	0.0	0.5	0.057
BY36-008	0.0	0.5	0.310

Location	Start Depth (ft)	End Depth (ft)	SOR
BY36-008	0.5	2.5	0.229
BY36-009	0.0	0.5	0.071
BY36-009	0.5	2.5	0.028
BY36-011	0.0	0.5	0.067
BY36-011	0.5	2.5	0.051
BY36-012	0.0	0.5	0.052
BY36-012	0.5	2.5	0.035
BY36-013	0.0	0.5	0.040
BY36-013	0.5	2.5	0.043
BY36-014	0.0	0.5	0.076
BY36-014	0.5	2.5	0.043
BY36-016	0.0	0.5	0.075
BY36-016	0.5	2.5	0.060
BY36-017	0.0	0.5	0.080
BY36-017	0.5	2.5	0.073
BY36-018	0.0	0.5	0.057
BY36-018	0.5	2.5	0.058
BY37-000	2.5	4.5	0.056
BY37-000	4.5	6.5	0.056
BY37-000	6.5	8.5	0.048
BY37-001	0.0	0.5	0.052
BY37-001	0.5	2.5	0.060
BY37-002	0.0	0.5	0.048
BY37-002	0.5	2.5	0.036
BY37-003	0.0	0.5	0.043
BY37-003	0.5	2.5	0.045
BY37-004	0.0	0.5	0.044
BY37-004	0.5	2.5	0.045
BY37-005	0.0	0.5	0.043
BY37-005	0.5	2.5	0.051
BY37-006	0.0	0.5	0.049
BY37-006	0.5	2.5	0.082
BY37-007	0.0	0.5	0.082
BY37-007	0.5	2.5	0.051
BY37-008	0.0	0.5	0.054
BY37-008	0.5	2.5	0.043
BY37-009	0.0	0.5	0.074
BY37-010	0.0	0.5	0.077
BY37-010	0.5	2.5	0.055
BY37-011	0.0	0.5	0.059
BY37-011	0.5	2.5	0.056
BY37-012	0.0	0.5	0.046
BY37-012	0.5	2.5	0.041
BY37-013	0.0	0.5	0.053
BY37-013	0.5	2.5	0.038
BY37-016	0.0	0.5	0.048
BZ35-000	0.0	0.5	0.049
BZ35-000	0.5	2.5	0.064
BZ35-001	0.0	0.5	0.051
BZ35-001-01	0.0	0.5	0.061

Location	Start Depth (ft)	End Depth (ft)	SOR
BZ35-001-01	0.5	2.5	0.026
BZ35-002-01	0.0	0.5	0.046
BZ35-002-01	0.5	2.5	0.045
BZ35-003-01	0.0	0.5	0.053
BZ35-003-01	0.5	2.5	0.055
BZ35-011-01	0.5	2.5	0.053
BZ36-000-01	0.0	0.5	0.104
BZ36-000-01	0.5	2.5	0.043
BZ36-000-01	2.5	4.5	0.042
BZ36-001-01	0.0	0.5	0.052
BZ36-001-01	0.5	2.5	0.048
BZ36-001-01	2.5	4.5	0.047
BZ36-002	0.0	0.5	0.066
BZ36-002	0.5	2.5	0.021
BZ36-002	2.5	4.5	0.055
BZ36-003	0.0	0.5	0.056
BZ36-003	0.5	2.5	0.052
BZ36-004	0.0	0.5	0.028
BZ36-005	0.0	0.5	0.063
BZ37-000	0.0	0.5	0.073
BZ37-000	0.5	2.5	0.045
BZ37-000	2.5	4.5	0.040
BZ37-001	0.0	0.5	0.062
BZ37-001	0.5	2.5	0.053
BZ37-001	2.5	4.5	0.056
BZ37-002	0.0	0.5	0.050
BZ37-002	0.5	2.5	0.059
BZ37-002	2.5	4.5	0.050

2.3 Summary Statistics

Summary statistics, by analyte, were calculated for the IHSS Group 400-3 sampling locations and are presented in Tables 6 and 7.

Table 6
Surface Soil Summary Statistics

Analyte	Number of Samples	Detection Frequency	Mean Conc.	Maximum Conc.	WRW AL	Ecological Receptor AL	Background Conc.	Unit
1,1,1-Trichloroethane	92	3.26%	25.43	56.6	79700000	-	-	ug/kg
2-Butanone	92	2.17%	36.00	66	192000000	433000	-	ug/kg
4-Methyl-2-pentanone	92	2.17%	10.60	12	16400000	-	-	ug/kg
Acenaphthene	5	40.00%	162.00	260	40800000	-	-	ug/kg
Acetone	92	34.78%	75.33	1300	102000000	211000	-	ug/kg
Aluminum	114	52.63%	25868.33	69000	228000	-	16902.00	mg/kg
Americium-241	123	0.81%	0.12	0.115	76	1900	0.02	pCi/g
Anthracene	5	40.00%	355.00	440	204000000	-	-	ug/kg
Antimony	123	6.50%	1.62	3.67	409	-	0.47	mg/kg
Arsenic	123	10.57%	17.26	29.2	22.2	21.6	10.09	mg/kg

Analyte	Number of Samples	Detection Frequency	Mean Conc.	Maximum Conc.	WRW AL	Ecological Receptor AL	Background Conc.	Unit
Barium	123	13.82%	472.41	1750	26400	-	141.26	mg/kg
Benzene	92	2.17%	1.05	1.3	205000	-	-	ug/kg
Benzo(a)anthracene	5	40.00%	1210.00	1600	34900	800000	-	ug/kg
Benzo(a)pyrene	5	40.00%	970.00	970	3490	25700	-	ug/kg
Benzo(b)fluoranthene	5	40.00%	945.00	1100	34900	1010000	-	ug/kg
Benzo(k)fluoranthene	5	40.00%	1100.00	1300	349000	1010000	-	ug/kg
Beryllium	114	39.47%	1.78	15	921	2.15	0.97	mg/kg
bis(2-Ethylhexyl)phthalate	5	40.00%	350.00	570	1970000	-	-	ug/kg
Cadmium	123	2.44%	9.37	14	962	-	1.61	mg/kg
Chloromethane	92	2.17%	1.60	1.7	371000	-	-	ug/kg
Chromium	123	47.15%	26.09	130	268	-	16.99	mg/kg
Chrysene	5	40.00%	1600.00	2100	3490000	-	-	ug/kg
Cobalt	123	17.07%	20.29	61	1550	-	10.91	mg/kg
Copper	123	44.72%	56.26	308	40900	-	18.06	mg/kg
Dibenz(a,h)anthracene	5	40.00%	200.00	270	3490	-	-	ug/kg
Ethylbenzene	92	6.52%	20.49	110	4250000	-	-	ug/kg
Fluoranthene	5	40.00%	3150.00	4100	27200000	-	-	ug/kg
Fluorene	5	20.00%	190.00	190	40800000	-	-	ug/kg
Indeno(1,2,3-cd)pyrene	5	40.00%	495.00	570	34900	-	-	ug/kg
Iron	123	32.52%	28797.50	90300	307000	-	18037.00	mg/kg
Lead	123	4.07%	488.86	1500	1000	25.6	54.62	mg/kg
Lithium	114	52.63%	16.01	50	20400	-	11.55	mg/kg
Manganese	123	16.26%	918.45	5210	3480	-	365.08	mg/kg
Mercury	114	1.75%	0.21	0.22	25200	-	0.13	mg/kg
Methylene chloride	92	7.61%	1.17	1.8	2530000	39500	-	ug/kg
Naphthalene	97	29.90%	416.56	11300	3090000	-	-	ug/kg
Nickel	123	49.59%	24.67	78.7	20400	-	14.91	mg/kg
Pyrene	5	60.00%	2028.33	4000	22100000	-	-	ug/kg
Selenium	123	7.32%	1.54	2.1	5110	-	1.22	mg/kg
Strontium	123	17.89%	127.64	305	613000	-	48.94	mg/kg
Tetrachloroethene	92	4.35%	10.44	26.9	615000	37500	-	ug/kg
Tin	123	4.88%	10.25	16.3	613000	-	2.90	mg/kg
Toluene	92	15.22%	3.75	19.5	31300000	128000	-	ug/kg
Uranium, Total	834	25.66%	15.90	210	2750	67.8	5.98	mg/kg
Uranium-234	123	79.67%	5.22	35.27	300	1800	2.25	pCi/g
Uranium-235	123	78.86%	0.23	0.7368	8	1900	0.09	pCi/g
Uranium-238	123	82.11%	5.17	35.27	351	1600	2.00	pCi/g
Vanadium	123	19.51%	75.49	324	7150	433	45.59	mg/kg
Xylene	92	10.87%	63.77	540	2040000	-	-	ug/kg
Zinc	123	20.33%	219.85	932	307000	-	73.76	mg/kg

Table 7
Subsurface Soil Summary Statistics

Analyte	Number of Samples	Detection Frequency	Mean Conc.	Maximum Conc.	WRW AL	Ecological Receptor AL	Background Conc.	Unit
1,1,1-Trichloroethane	108	2.78%	3.60	5.4	79700000	-	-	ug/kg
1,2,4-Trichlorobenzene	109	0.92%	1.10	1.1	9230000	-	-	ug/kg
2-Butanone	108	1.85%	10.80	13	192000000	433000	-	ug/kg
Acetone	108	24.07%	28.12	88	102000000	211000	-	ug/kg
Aluminum	118	11.86%	44785.71	66000	228000	-	35373.17	mg/kg
Arsenic	126	9.52%	19.86	34.3	22.2	21.6	13.14	mg/kg
Barium	126	7.94%	711.70	2310	26400	-	289.38	mg/kg
Beryllium	118	5.93%	2.70	3.3	921	2.15	14.2	mg/kg
Cadmium	126	1.59%	22.50	35	962	-	1.7	mg/kg
Chloromethane	108	0.93%	1.80	1.8	371000	-	-	ug/kg
Cobalt	126	2.38%	32.00	35	1550	-	29.04	mg/kg
Copper	126	11.11%	52.19	98.5	40900	-	38.21	mg/kg
Ethylbenzene	108	3.70%	2.58	4.3	4250000	-	-	ug/kg
Iron	126	2.38%	64700.00	90900	307000	-	41046.52	mg/kg
Lead	126	3.17%	43.25	53	1000	25.6	24.97	mg/kg
Lithium	118	1.69%	53.00	59	20400	-	34.66	mg/kg
Manganese	126	2.38%	3233.33	6640	3480	-	901.62	mg/kg
Methylene chloride	108	12.96%	1.30	2.3	2530000	39500	-	ug/kg
Naphthalene	109	24.77%	79.33	1330	3090000	-	-	ug/kg
Nickel	126	3.97%	76.48	91	20400	-	62.21	mg/kg
Strontium	126	0.79%	382.00	382	613000	-	211.38	mg/kg
Styrene	108	0.93%	5.20	5.2	123000000	-	-	ug/kg
Tetrachloroethene	108	1.85%	6.25	7.21	615000	37500	-	ug/kg
Toluene	108	7.41%	3.79	8.7	31300000	128000	-	ug/kg
Trichloroethene	108	0.93%	3.20	3.2	19600	509000	-	ug/kg
Uranium, Total	850	28.47%	13.28	280	2750	67.8	3.04	mg/kg
Uranium-234	127	81.10%	4.63	25.38	300	1800	2.64	pCi/g
Uranium-235	127	76.38%	0.22	0.5759	8	1900	0.12	pCi/g
Uranium-238	127	85.83%	4.53	25.38	351	1600	1.49	pCi/g
Vanadium	126	6.35%	149.13	339	7150	433	88.49	mg/kg
Xylene	108	3.70%	13.63	21.2	2040000	-	-	ug/kg
Zinc	126	3.97%	381.80	579	307000	-	139.1	mg/kg

2.4 Discussion

Location BY37-003, located under the northern side of the Building 444 foundation (Room 128), had a lead result (1,500 milligrams per kilogram [mg/kg]) greater than the WRW AL of 1,000 mg/kg. Three other samples collected in the same room as this location did not indicate the presence of elevated lead levels.

In reaction to this elevated lead result, x-ray fluorescence (XRF) samples were collected on the floor of Room 128 (the floor's surface is painted concrete). Sample results indicated the presence of lead-based paint at all sampling locations, with the highest result located next to BY37-003. Correlating XRF samples, which are area-based (milligrams per square centimeter [mg/cm²]), and soil samples, which are concentration-

based (parts per million [ppm]), is extremely difficult. Therefore, the presence of lead-based paint in the area of the sample is simply confirmed. Collecting a second sample adjacent (6 inches due east) to the original location provided further information for the investigation. BY37-027 was collected in the same manner as BY37-003, with the exception of one procedure. The paint on the surface of the concrete floor was removed prior to coring, thus eliminating the chance for cross-contamination of the soil by lead-based paint. Results for the two samples are shown in Table 8.

Table 8
Lead Analytical Results – Sampling Locations BY37-003 and BY37-027

Analyte	Location	Result (mg/kg)
Lead	BY37-003	1,500
Lead	BY37-027	201

Sampling location BY37-027 contained lead at a concentration well below the WRW AL, which was more consistent with the other sample results in the area. Based on this evidence and the historical process knowledge of the area, cross-contamination of sample BY37-003 by means of the lead-based paint has been deemed the probable cause of the elevated result.

Apparent lead contamination in this area is regarded as cross-contamination from building concrete and/or paint for the following reasons:

- No historical explanation can account for the presence of lead beneath the foundation of Building 444 at this location.
- No physical transport mechanisms (for example, cracks/seams in concrete) can be identified as potentially resulting in the presence of lead at this location.
- Sampling efforts immediately adjacent to the original location could not duplicate the elevated lead result.
- Lead-based paint covering the concrete floor was positively confirmed in the area where the sampling occurred.

A 95% upper confidence limit (UCL) was calculated for lead in surface soil at this IHSS Group. A result of less than one was obtained. The result was 0.506. The second sample result was still elevated relative to the sample population; however, it remained below the WRW AL of 1,000 mg/kg. Coupling the 95% UCL/AL ratio calculation with the actual sample result indicates removal is not required. This lead result, like all other ecological receptor AL exceedances, will be addressed by the Sitewide Comprehensive Risk Assessment (CRA).

Two changes in the data being reported that deviate from previous presentations of results to the regulatory agencies are discussed here. Specifically, two detections of manganese and several detections of arsenic and lead were originally reported to the

agencies at concentrations above their respective WRW ALs. However, these detections were based on analytical method SW846-6200, an on-site method. The appropriate method, as specified in the IHSS Group 400-3 SAP Addendum, is analytical method SW846-6010. Analytical method SW846-6010 is an off-site laboratory analysis that is more accurate and representative because the sample medium is completely dissolved, whereas method SW846-6200 analyzes only the surface of the soil particles. Because the samples in question were also analyzed off site using method SW846-6010, there were no gaps in the reported data. Results of the SW846-6010 analyses indicate the previously identified analytes do not exceed their respective WRW ALs; therefore, the text and figures have been changed to reflect this fact. These changes affect sample BW36-007 (arsenic, lead, and manganese), sample BY36-003 (arsenic and lead), and sample BW36-011 (lead). The complete set of laboratory raw data is included on the accompanying CD.

3.0 SUBSURFACE SOIL RISK SCREEN

The Subsurface Soil Risk Screen (SSRS) follows the steps identified on Figure 3 in Attachment 5 of the RFCA Modification (DOE et al. 2003):

Screen 1 – Are the contaminant of concern (COC) concentrations below RFCA Table 3 WRW soil ALs?

Yes. All subsurface soil results are less than RFCA WRW ALs.

Screen 2 – Is there a potential for subsurface soil to become surface soil (landslide and erosion areas identified on Figure 1)?

No. Based upon Figure 1 of RFCA Modification Attachment 5 (DOE et al. 2003), the entire IHSS Group is not located in an area considered prone to landslides or erosion.

Screen 3 – Does subsurface soil radiological contamination exceed criteria in Section 5.3 and Attachment 14?

No. There were no levels of radiological contamination above ALs requiring action determinations in this IHSS Group.

Screen 4 – Is there an environmental pathway and sufficient quantity of COCs that would cause an exceedance of the surface water standard?

Contaminant migration via erosion and groundwater are the two possible pathways whereby surface water could become contaminated by IHSS Group 400-3. Migration via erosion is unlikely because IHSS Group 400-3 is not located in an area prone to landslides or erosion.

Runoff from IHSS Group 400-3 flows through gauging stations GS22 and GS38 (DOE 2002b). The nearest downgradient RFCA surface water Points of Evaluation (POEs) are SW027 and GS10 (DOE 2003b). Including all analytical data available as of May 1, 2002, the 30-day moving average values for all POE locations were below the RFCA ALs and standards for all monitored analytes (DOE 2002c). Additionally, both SW027 and GS10 receive water from a large part of the IA, and surface water quality at these locations may not be attributable to any single upgradient IHSS Group.

Lead and beryllium are the only soil COCs at IHSS Group 400-3 that correlate with groundwater COCs for the Building 444 area (DOE 2002d). No significant increase in the concentrations of these analytes is observed when comparing upgradient and downgradient well data.

Low levels of VOCs (above detection limits but below ALs) found in the soil samples west of Building 444 could be related to groundwater contamination in the area. These results will be addressed as part of the Sitewide groundwater decision document.

Groundwater continues to infiltrate the basement of Building 444. The amount of water present in the sump in the basement varies with respect to the local water table. On occasion, beryllium has been detected above surface water standards; however, area groundwater monitoring wells remain free of such detections. Currently, the water is being pumped into the storm drain via an inline filter. In its present state, the foundation drain system diverts water from downgradient monitoring wells. After these drains are no longer functioning, the diverted groundwater will join the rest of the water table where the potential exists for elevated concentrations. This may result in future Stewardship actions. Monitoring wells around the area will continue to be sampled as part of the Integrated Monitoring Program (IMP). Further groundwater evaluation will be part of the groundwater plume remedial decision and future Sitewide evaluation.

Screen 5 – Are COC concentrations below Table 3 ALs for ecological receptors?

No, beryllium, lead, and uranium-total exceed the ecological receptor ALs at multiple locations throughout IHSS Group 400-3. All other COC concentrations are below the ALs for ecological receptors. In general, lead values were typically below background. Ecological factors will be evaluated in the accelerated action ecological screening process and the CRA.

4.0 NFAA SUMMARY

Based on analytical results and the SSRS, action is not required and an NFAA determination is justified for IHSS Group 400-3 because of the following:

- In accordance with approved methodologies (resampling due to cross-contamination, and 95% UCL calculations), further investigation into the lead WRW AL exceedance resulted in a NFAA determination.
- Migration of contaminants to surface water through erosion is unlikely because the exceedances are not in an area prone to landslides or erosion.
- Migration of contaminants in groundwater will not likely impact surface water because of the low levels of soil contamination found in IHSS Group 400-3. The groundwater contamination is considered part of the IA Plume, which will be further evaluated in a future decision document.

Approval of this Data Summary Report constitutes regulatory agency concurrence that this IHSS Group is an NFAA site. This information and the NFAA determination will be

documented in the FY04 HRR. Ecological factors will be evaluated in the accelerated action ecological screening process and the CRA.

5.0 DATA QUALITY ASSESSMENT

The data quality objectives (DQOs) for this project are described in the IASAP (DOE 2001). All DQOs for this project were achieved based on the following:

- Regulatory agency-approved sampling program design (IASAP Addendum #IA-03-06 [DOE 2003a]), modified, due to field conditions, in accordance with the IASAP (DOE 2001);
- Collection of samples in accordance with the sampling design;
- Results of the Data Quality Assessment (DQA), as described in the following sections.

5.1 Data Quality Assessment Process

The DQA process ensures that the type, quantity, and quality of environmental data used in decision making are defensible, and is based on the following guidance and requirements:

- U.S. Environmental Protection Agency (EPA) QA/G-4, 1994a, Guidance for the Data Quality Objective Process;
- EPA QA/G-9, 1998, Guidance for the Data Quality Assessment Process, Practical Methods for Data Analysis; and
- U.S. Department of Energy (DOE) Order 414.1A, 1999, Quality Assurance.

Verification and validation (V&V) of data are the primary components of the DQA. The final data are compared with original project DQOs and evaluated with respect to project decisions; uncertainty within the decisions; and quality criteria required for the data, specifically precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS). Validation criteria are consistent with the following RFETS-specific documents and industry guidelines:

- EPA 540/R-94/012, 1994b, USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review;
- EPA 540/R-94/013, 1994c, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review;
- Kaiser-Hill Company, L.L.C. (K-H) V&V Guidelines:
 - General Guidelines for Data Verification and Validation, DA-GR01-v1, 2002a

- V&V Guidelines for Isotopic Determinations by Alpha Spectrometry, DA-RC01-v1, 2002b
 - V&V Guidelines for Volatile Organics, DA-SS01-v1, 2002c
 - V&V Guidelines for Semivolatile Organics, DA-SS02-v1, 2002d
 - V&V Guidelines for Metals, DA-SS05-v1, 2002e, and
- Lockheed-Martin, 1997, Evaluation of Radiochemical Data Usability, ES/ER/MS-5.

This report will be submitted to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Administrative Record (AR) for permanent storage 30 days after being provided to the Colorado Department of Public Health and Environment (CDPHE) and/or EPA.

5.2 Verification and Validation of Results

Verification ensures that data produced and used by the project are documented and traceable in accordance with quality requirements. Validation consists of a technical review of all data that directly support the project decisions so that any limitations of the data relative to project goals are delineated and the associated data are qualified accordingly. The V&V process defines the criteria that constitute data quality, namely PARCCS parameters. Data traceability and archival are also addressed. V&V criteria include the following:

- Chain-of-custody;
- Preservation and hold times;
- Instrument calibrations;
- Preparation blanks;
- Interference check samples (metals);
- Matrix spikes/matrix spike duplicates (MS/MSDs);
- Laboratory control samples (LCSs);
- Field duplicate measurements;
- Chemical yield (radiochemistry);
- Required quantitation limits/minimum detectable activities (sensitivity of chemical and radiochemical measurements, respectively); and
- Sample analysis and preparation methods.

Evaluation of V&V criteria ensures that PARCCS parameters are satisfactory (i.e., within tolerances acceptable to the project). Satisfactory V&V of laboratory quality controls are captured through application of validation “flags” or qualifiers to individual records.

Raw hard-copy data (for example, individual analytical data packages) are currently filed by report identification number (RIN) and maintained by K-H Analytical Services Division (ASD); older hard copies may reside in the Federal Center in Lakewood, Colorado. Electronic data are stored in the RFETS Soil Water Database (SWD).

Both real and QC data are included on the enclosed CD.

5.2.1 Accuracy

The following measures of accuracy were evaluated:

- LCS evaluation;
- Surrogate evaluation;
- Field blank evaluation; and
- Sample MS evaluation.

Results are compared to method requirements and project goals. The results of these comparisons are summarized for RFCA COCs where the result could impact project decisions. Particular attention is paid to those values near ALs when quality control (QC) results could indicate unacceptable levels of uncertainty for decision-making purposes.

Laboratory Control Sample Evaluation

The frequency of LCS measurements, relative to each laboratory batch, is given in Table 9. LCS frequency was adequate based on at least one LCS per batch. The minimum and maximum LCS results are also tabulated, by chemical, for the entire project. While not all LCS results are within tolerances, project decisions based on AL exceedances were not affected. LCS results that were outside of tolerances were reviewed to determine

Table 9
LCS Evaluation Summary

CAS No.	Analyte	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
71-55-6	1,1,1-Trichloroethane	79.5	112.2	35	30	%REC	SW-846 8260
79-34-5	1,1,2,2-Tetrachloroethane	84.93	136.5	35	30	%REC	SW-846 8260
79-00-5	1,1,2-Trichloroethane	86.54	119.5	35	30	%REC	SW-846 8260
75-34-3	1,1-Dichloroethane	77.15	111	35	30	%REC	SW-846 8260
75-35-4	1,1-Dichloroethene	72.1	109.7	35	30	%REC	SW-846 8260
120-82-1	1,2,4-Trichlorobenzene	83.57	145.5	35	30	%REC	SW-846 8260
95-50-1	1,2-Dichlorobenzene	87	127.1	35	30	%REC	SW-846 8260
107-06-2	1,2-Dichloroethane	80.49	122	35	30	%REC	SW-846 8260
78-87-5	1,2-Dichloropropane	71.33	141.8	35	30	%REC	SW-846 8260
106-46-7	1,4-Dichlorobenzene	85	127.7	35	30	%REC	SW-846 8260
78-93-3	2-Butanone	33.43	129	35	30	%REC	SW-846 8260
108-10-1	4-Methyl-2-pentanone	82.71	114.6	35	30	%REC	SW-846 8260
67-64-1	Acetone	34.01	174	35	30	%REC	SW-846 8260
7429-90-5	Aluminum	94	104	22	21	%REC	SW-846 6010
7440-36-0	Antimony	90	102	22	21	%REC	SW-846 6010
12674-11-2	Aroclor-1016	98	98	1	1	%REC	SW-846 8082
11096-82-5	Aroclor-1260	100	100	1	1	%REC	SW-846 8082
7440-38-2	Arsenic	90	103	22	21	%REC	SW-846 6010
7440-39-3	Barium	93	103	22	21	%REC	SW-846 6010
71-43-2	Benzene	80.45	119.8	35	30	%REC	SW-846 8260

CAS No.	Analyte	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
7440-41-7	Beryllium	92	106	22	21	%REC	SW-846 6010
75-27-4	Bromodichloromethane	82.97	143.1	35	30	%REC	SW-846 8260
75-25-2	Bromoform	92	153	35	30	%REC	SW-846 8260
74-83-9	Bromomethane	65.19	132.5	35	30	%REC	SW-846 8260
7440-43-9	Cadmium	87	102	22	21	%REC	SW-846 6010
75-15-0	Carbon Disulfide	61.21	137.1	35	30	%REC	SW-846 8260
56-23-5	Carbon Tetrachloride	70.59	110.3	35	30	%REC	SW-846 8260
108-90-7	Chlorobenzene	84.4	175.1	35	30	%REC	SW-846 8260
75-00-3	Chloroethane	58.93	148	35	30	%REC	SW-846 8260
67-66-3	Chloroform	80.3	112.1	35	30	%REC	SW-846 8260
74-87-3	Chloromethane	54.64	229.8	35	30	%REC	SW-846 8260
7440-47-3	Chromium	89	104	22	21	%REC	SW-846 6010
10061-01-5	cis-1,3-Dichloropropene	69.53	124	35	30	%REC	SW-846 8260
7440-48-4	Cobalt	89	102	22	21	%REC	SW-846 6010
7440-50-8	Copper	89	101	22	21	%REC	SW-846 6010
124-48-1	Dibromochloromethane	85.01	122.1	35	30	%REC	SW-846 8260
100-41-4	Ethylbenzene	81.25	144.2	35	30	%REC	SW-846 8260
87-68-3	Hexachlorobutadiene	75.26	160	35	30	%REC	SW-846 8260
7439-89-6	Iron	93	102	22	21	%REC	SW-846 6010
7439-92-1	Lead	90	102	22	21	%REC	SW-846 6010
7439-93-2	Lithium	88	106	22	21	%REC	SW-846 6010
7439-96-5	Manganese	91	104	22	21	%REC	SW-846 6010
7439-97-6	Mercury	94	104	19	17	%REC	SW-846 6010
75-09-2	Methylene chloride	63.67	114.1	35	30	%REC	SW-846 8260
7439-98-7	Molybdenum	88	100	22	21	%REC	SW-846 6010
91-20-3	Naphthalene	75	127.4	35	30	%REC	SW-846 8260
7440-02-0	Nickel	89	102	22	21	%REC	SW-846 6010
7782-49-2	Selenium	88	103	22	21	%REC	SW-846 6010
7440-22-4	Silver	90	104	22	21	%REC	SW-846 6010
7440-24-6	Strontium	94	104	22	21	%REC	SW-846 6010
100-42-5	Styrene	83	129	35	30	%REC	SW-846 8260
127-18-4	Tetrachloroethene	78.75	120.7	35	30	%REC	SW-846 8260
7440-31-5	Tin	89	101	22	21	%REC	SW-846 6010
108-88-3	Toluene	83.14	125.7	35	30	%REC	SW-846 8260
10061-02-6	trans-1,3-Dichloropropene	89.24	128.6	35	30	%REC	SW-846 8260
79-01-6	Trichloroethene	71.14	141	35	30	%REC	SW-846 8260
11-09-7	Uranium, Total	93	104	22	21	%REC	SW-846 6010
7440-62-2	Vanadium	90	102	22	21	%REC	SW-846 6010
75-01-4	Vinyl chloride	67.2	209.6	35	30	%REC	SW-846 8260
1330-20-7	Xylene	82.65	137.3	35	30	%REC	SW-846 8260

CAS No.	Analyte	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
7440-66-6	Zinc	91	99	22	21	%REC	SW-846 6010

whether a potential bias might be indicated. LCS recoveries are not indicative of matrix effects since they are not prepared using site samples. LCS results do indicate whether the laboratory may be introducing a bias in the results. Recoveries reported above the upper limit may indicate the actual sample results are less than reported. Since this is environmentally conservative, no further action is needed. The analytes with unacceptable low recoveries were evaluated. If the highest sample result is less than the action limit divided by the lowest LCS recovery for that analyte, no further action is taken because any indicated bias is not great enough to make a falsely low sample result be above the action limit. As a result of these analyses, the LCS recoveries for this project did not impact project decisions. Any qualifications of individual results due to LCS performance exceeding upper or lower tolerance limits are captured in the V&V flags, described in the Completeness Section 5.4.3.

Surrogate Evaluation

The frequency of surrogate measurements, relative to each laboratory batch, is given in Table 10. Surrogate frequency was adequate based on at least one set per sample. The minimum and maximum surrogate results are also tabulated, by chemical, for the entire project. Surrogates are added to every sample, and therefore, surrogate recoveries only impact individual samples. Unacceptable surrogate recoveries can indicate potential

Table 10
Surrogate Recovery Summary

VOC Surrogate Recoveries				
Number of Samples	Analyte	Minimum Concentration	Maximum Concentration	Unit
177	1,2-Dichloroethane -d4	70.72	142.8	%REC
177	Bromofluorobenzene	85.65	148.6	%REC
177	Toluene - d8	83.43	128.4	%REC

matrix effects. The highest and lowest surrogate recoveries for this project were reviewed and the associated samples results were not near enough to the action limit to indicate project decisions would be impacted. Any qualifications of results due to surrogate results are captured in the V&V flags, described in Section 5.4.3.

Field Blank Evaluation

Results of the field blank analyses are given in Table 11. Detectable amounts of contaminants within the blanks, which could indicate possible cross-contamination of samples, are evaluated if the same contaminant is detected in the associated real samples. When the real result is less than 10 times the blank result for laboratory contaminants and 5 times the result for nonlaboratory contaminants, the real result is eliminated. None of

the chemicals were detected in the blanks at concentrations greater than one-tenth the AL. Therefore, no sample results at or above the AL could have been impacted by the blanks.

Table 11
Field Blank Summary

Sample QC Code	Test Method	Analyte	Maximum Detected Value	Unit
TB	SW-846 8260	Acetone	33	ug/L
TB	SW-846 8260	Acetone	18	ug/L
RNS	SW-846 6010	Aluminum	0.049	mg/L
RNS	SW-846 6010	Aluminum	0.1	mg/L
RNS	SW-846 6010	Barium	0.0018	mg/L
RNS	SW-846 8260	Benzene	0.27	ug/L
TB	SW-846 8260	Benzene	3.8	ug/L
TB	SW-846 8260	Benzene	3.1	ug/L
RNS	SW-846 6010	Beryllium	0.00076	mg/L
RNS	SW-846 6010	Cadmium	0.0004	mg/L
TB	SW-846 8260	Chloromethane	1.6	ug/L
RNS	SW-846 6010	Cobalt	0.00092	mg/L
RNS	SW-846 6010	Copper	0.011	mg/L
RNS	SW-846 6010	Copper	0.0073	mg/L
RNS	SW-846 8260	Ethylbenzene	0.13	ug/L
TB	SW-846 8260	Ethylbenzene	0.17	ug/L
RNS	SW-846 6010	Iron	0.2	mg/L
RNS	SW-846 6010	Iron	0.049	mg/L
RNS	SW-846 6010	Lead	0.0034	mg/L
RNS	SW-846 6010	Lithium	0.002	mg/L
RNS	SW-846 6010	Manganese	0.0026	mg/L
RNS	SW-846 6010	Mercury	0.000019	mg/L
RNS	SW-846 8260	Methylene chloride	0.23	ug/L
FB	SW-846 8260	Methylene chloride	0.22	ug/L
TB	SW-846 8260	Methylene chloride	0.21	ug/L
TB	SW-846 8260	Naphthalene	0.87	ug/L
RNS	SW-846 6010	Strontium	0.0017	mg/L
FB	SW-846 8260	Toluene	1.5	ug/L
RNS	SW-846 8260	Toluene	2.1	ug/L
TB	SW-846 8260	Toluene	6.55	ug/L
TB	SW-846 8260	Toluene	4.3	ug/L
RNS	SW-846 8260	Toluene	1.6	ug/L
RNS	SW-846 8260	Toluene	1.8	ug/L
TB	SW-846 8260	Toluene	9.4	ug/L
TB	SW-846 8260	Toluene	3	ug/L
RNS	GAMMA SPECTROSCOPY	Uranium-235	0.176	pCi/g

Sample QC Code	Test Method	Analyte	Maximum Detected Value	Unit
RNS	GAMMA SPECTROSCOPY	Uranium-238	2.46	pCi/g
RNS	SW-846 8260	Xylene	0.78	ug/L
TB	SW-846 8260	Xylene	3.1	ug/L
FB	SW-846 8260	Xylene	0.48	ug/L
RNS	SW-846 6010	Zinc	0.049	mg/L

Field Blanks (TB = Trip, RNS = Rinse, FB = Field) results greater than detection limits (not *U* Qualified)

Sample Matrix Spike Evaluation

The frequency of MS measurements, relative to each laboratory batch, was adequate based on at least one MS per batch. The minimum and maximum MS results are summarized by chemical for the entire project in Table 12. Organic analytes with unacceptable low recoveries resulted in a review of the LCS recoveries. According to the EPA data validation guidelines, if organic matrix spike recoveries are low, then the LCS recovery is to be checked and, if acceptable, no action is to be taken. For this project, these checks indicate no decisions were impacted for organic analytes. For inorganics, the associated sample results were divided by the lowest percent recovery for each analyte. If the resulting number is less than the action limit, decisions were not impacted, so no action was taken. For this project, all results were acceptable, however, aluminum, iron and manganese had 0% recovery as a low. For these analytes, the action level was at least a factor of three times higher than the highest sample result, so no decisions were impacted.

Table 12
Sample MS Evaluation Summary

CAS No.	Analyte	Minimum Conc.	Maximum Conc.	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
71-55-6	1,1,1-Trichloroethane	37.11	283.6	17	16	%REC	SW-846 8260
79-34-5	1,1,2,2-Tetrachloroethane	7.486	102	17	16	%REC	SW-846 8260
79-00-5	1,1,2-Trichloroethane	56.23	108.6	17	16	%REC	SW-846 8260
75-34-3	1,1-Dichloroethane	57.97	108	17	16	%REC	SW-846 8260
75-35-4	1,1-Dichloroethene	32.44	110.9	17	16	%REC	SW-846 8260
120-82-1	1,2,4-Trichlorobenzene	42	92	17	16	%REC	SW-846 8260
95-50-1	1,2-Dichlorobenzene	66.06	96	17	16	%REC	SW-846 8260
107-06-2	1,2-Dichloroethane	74.6	113	17	16	%REC	SW-846 8260
78-87-5	1,2-Dichloropropane	43.79	133.7	17	16	%REC	SW-846 8260
106-46-7	1,4-Dichlorobenzene	60.2	92	17	16	%REC	SW-846 8260
78-93-3	2-Butanone	74	191.5	17	16	%REC	SW-846 8260
108-10-1	4-Methyl-2-pentanone	55.97	109	17	16	%REC	SW-846 8260
67-64-1	Acetone	48	259	17	16	%REC	SW-846 8260
7429-90-5	Aluminum	0	5880	21	21	%REC	SW-846 6010
7440-36-0	Antimony	34	69	21	21	%REC	SW-846 6010

CAS No.	Analyte	Minimum Conc.	Maximum Conc.	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
12674-11-2	Aroclor-1016	95	95	1	1	%REC	SW-846 8082
11096-82-5	Aroclor-1260	92	92	1	1	%REC	SW-846 8082
7440-38-2	Arsenic	83	101	21	21	%REC	SW-846 6010
7440-39-3	Barium	48	117	21	21	%REC	SW-846 6010
71-43-2	Benzene	52.42	98.87	17	16	%REC	SW-846 8260
7440-41-7	Beryllium	81	102	21	21	%REC	SW-846 6010
75-27-4	Bromodichloromethane	45.03	131.4	17	16	%REC	SW-846 8260
75-25-2	Bromoform	51.66	98.41	17	16	%REC	SW-846 8260
74-83-9	Bromomethane	56.46	104.1	17	16	%REC	SW-846 8260
7440-43-9	Cadmium	78	100	21	21	%REC	SW-846 6010
75-15-0	Carbon Disulfide	35.49	126.2	17	16	%REC	SW-846 8260
56-23-5	Carbon Tetrachloride	30.14	150.1	17	16	%REC	SW-846 8260
108-90-7	Chlorobenzene	45.9	99.27	17	16	%REC	SW-846 8260
75-00-3	Chloroethane	40.43	99.44	17	16	%REC	SW-846 8260
67-66-3	Chloroform	59.04	105.6	17	16	%REC	SW-846 8260
74-87-3	Chloromethane	32.91	154.3	17	16	%REC	SW-846 8260
7440-47-3	Chromium	45	146	21	21	%REC	SW-846 6010
10061-01-5	cis-1,3-Dichloropropene	47.75	114.5	17	16	%REC	SW-846 8260
7440-48-4	Cobalt	81	104	21	21	%REC	SW-846 6010
7440-50-8	Copper	35	151	21	21	%REC	SW-846 6010
124-48-1	Dibromochloromethane	53.38	97	17	16	%REC	SW-846 8260
100-41-4	Ethylbenzene	51.41	99.45	17	16	%REC	SW-846 8260
87-68-3	Hexachlorobutadiene	19	83	17	16	%REC	SW-846 8260
7439-89-6	Iron	0	6000	21	21	%REC	SW-846 6010
7439-92-1	Lead	73	123	21	21	%REC	SW-846 6010
7439-93-2	Lithium	79	107	21	21	%REC	SW-846 6010
7439-96-5	Manganese	0	476	21	21	%REC	SW-846 6010
7439-97-6	Mercury	25	104	17	17	%REC	SW-846 6010
75-09-2	Methylene chloride	67.74	103.2	17	16	%REC	SW-846 8260
7439-98-7	Molybdenum	79	94	21	21	%REC	SW-846 6010
91-20-3	Naphthalene	0	91	17	16	%REC	SW-846 8260
7440-02-0	Nickel	70	123	21	21	%REC	SW-846 6010
7782-49-2	Selenium	82	98	21	21	%REC	SW-846 6010
7440-22-4	Silver	83	99	21	21	%REC	SW-846 6010
7440-24-6	Strontium	63	156	21	21	%REC	SW-846 6010
100-42-5	Styrene	64.07	99.59	17	16	%REC	SW-846 8260
127-18-4	Tetrachloroethene	35.35	185.6	17	16	%REC	SW-846 8260
7440-31-5	Tin	81	96	21	21	%REC	SW-846 6010
108-88-3	Toluene	46.66	97.34	17	16	%REC	SW-846 8260
10061-02-6	trans-1,3-Dichloropropene	47.82	97	17	16	%REC	SW-846 8260

CAS No.	Analyte	Minimum Conc.	Maximum Conc.	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
79-01-6	Trichloroethene	43.09	158.6	17	16	%REC	SW-846 8260
11-09-7	Uranium, Total	84	99	21	21	%REC	SW-846 6010
7440-62-2	Vanadium	39	132	21	21	%REC	SW-846 6010
75-01-4	Vinyl chloride	22.76	116.3	17	16	%REC	SW-846 8260
1330-20-7	Xylene	54.71	102.3	17	16	%REC	SW-846 8260
7440-66-6	Zinc	39	180	21	21	%REC	SW-846 6010

5.2.2 Precision

Matrix Spike Duplicate Evaluation

Laboratory precision is measured through use of MSDs. Adequate frequency of MSD measurements is indicated by at least one MSD in each laboratory batch. Table 13 indicates that MSD frequencies were adequate. This analytes with the highest RPDs were reviewed by comparing the highest sample result to the action limit. If the highest samples were sufficiently below the action limit, no further action is needed. For this project, the reviews indicated decisions were not impacted. While some of the relative percent differences (RPDs) appear to be high, they would not result in rejection of data that affects project decisions.

Table 13
Sample MSD Evaluation Summary

Analyte	Number of Sample Pairs	Number of Laboratory Batches	Max RPD (%)
1,1,1-Trichloroethane	17	16	78.3
1,1,2,2-Tetrachloroethane	17	16	30.4
1,1,2-Trichloroethane	17	16	17.0
1,1-Dichloroethane	17	16	51.2
1,1-Dichloroethene	17	16	99.3
1,2,4-Trichlorobenzene	17	16	30.9
1,2-Dichlorobenzene	17	16	22.8
1,2-Dichloroethane	17	16	27.2
1,2-Dichloropropane	17	16	29.2
1,4-Dichlorobenzene	17	16	26.0
2-Butanone	17	16	21.5
4-Methyl-2-pentanone	17	16	26.3
Acetone	17	16	88.6
Aluminum	19	19	102.9
Antimony	21	21	59.8
Aroclor-1016	1	1	10.9
Aroclor-1260	1	1	5.3

Analyte	Number of Sample Pairs	Number of Laboratory Batches	Max RPD (%)
Arsenic	21	21	11.4
Barium	21	21	80.0
Benzene	17	16	52.3
Beryllium	21	21	23.9
Bromodichloromethane	17	16	26.3
Bromoform	17	16	25.5
Bromomethane	17	16	46.6
Cadmium	21	21	21.3
Carbon Disulfide	17	16	94.0
Carbon Tetrachloride	17	16	93.6
Chlorobenzene	17	16	37.4
Chloroethane	17	16	72.5
Chloroform	17	16	45.2
Chloromethane	17	16	71.5
Chromium	21	21	94.7
cis-1,3-Dichloropropene	17	16	23.0
Cobalt	21	21	30.4
Copper	21	21	95.9
Dibromochloromethane	17	16	22.4
Ethylbenzene	17	16	52.8
Hexachlorobutadiene	17	16	56.1
Iron	14	14	195.5
Lead	21	21	33.8
Lithium	21	21	22.5
Manganese	18	18	194.7
Mercury	17	17	80.3
Methylene chloride	17	16	33.7
Molybdenum	21	21	14.1
Naphthalene	16	16	43.6
Nickel	21	21	22.8
Selenium	21	21	10.4
Silver	21	21	12.4
Strontium	21	21	46.3
Styrene	17	16	34.9
Tetrachloroethene	17	16	98.4
Tin	21	21	12.7
Toluene	17	16	53.9
trans-1,3-Dichloropropene	17	16	15.6
Trichloroethene	17	16	65.9
Uranium, Total	21	21	10.2

Analyte	Number of Sample Pairs	Number of Laboratory Batches	Max RPD (%)
Vanadium	21	21	107.7
Vinyl chloride	17	16	93.8
Xylene	17	16	47.9
Zinc	21	21	87.1

Field Duplicate Evaluation

Field duplicate results reflect sampling precision, or overall repeatability of the sampling process. The frequency of field duplicate collection should exceed 1 field duplicate per 20 real samples, or 5 percent across the IA. While the 5 percent limit is held for the IA, individual IHSSs are allowed to be less than 5 percent. Table 14 indicates that sampling frequencies were less than the IHSS goal with respect to radionuclides (gamma spectroscopy), metals, and polychlorinated biphenyls (PCBs).

The RPDs indicate how much variation exists in the field duplicate analyses. The EPA data validation guidelines state that “there are no required review criteria for field duplicate analyses comparability”. For the DQA, the highest Max RPDs were reviewed. The highest sample amount for those analytes were corrected for the associated RPD (Table 15) and the resulting number was compared to the action limit. For this project, none of the corrected numbers were greater than the action limit, so project decisions were not impacted.

Table 14
Field Duplicate Sample Frequency Summary

Test Method	Sample Code	Number of Samples	% Duplicate Samples
ALPHA SPEC	REAL	27	22%
ALPHA SPEC	DUP	6	
GAMMA SPECTROSCOPY	REAL	224	2%
GAMMA SPECTROSCOPY	DUP	5	
SW-846 6010	REAL	223	2%
SW-846 6010	DUP	5	
SW-846 8082	REAL	6	0%
SW-846 8260	REAL	195	5%
SW-846 8260	DUP	9	

Table 15
RPD Evaluation Summary

Analyte	Max of RPD (%)
1,1,1-Trichloroethane	9.2
1,1-Dichloroethane	9.2
1,2,4-Trichlorobenzene	9.2

Analyte	Max of RPD (%)
1,2-Dichloroethane	9.2
4-Methyl-2-pentanone	9.1
Aluminum	137.7
Arsenic	17.8
Barium	59.7
Benzene	9.2
Beryllium	33.3
Bromodichloromethane	9.2
Bromoform	9.2
Carbon Disulfide	9.2
Chlorobenzene	9.2
Chloroform	9.2
Chromium	53.3
cis-1,3-Dichloropropene	9.2
Cobalt	128.2
Copper	72.4
Dibromochloromethane	9.2
Iron	87.4
Lead	91.3
Lithium	82.8
Manganese	48.3
Mercury	10.4
Methylene chloride	9.2
Naphthalene	9.2
Nickel	111.9
Strontium	24.0
Styrene	9.2
Tetrachloroethene	9.2
Toluene	9.2
trans-1,3-Dichloropropene	9.2
Trichloroethene	9.2
Vanadium	108.9
Zinc	27.5

5.2.3 Completeness

Based on original project DQOs, a minimum of 25 percent of ER Program analytical (and radiological) results must be formally verified and validated. Of that percentage, no more than 10 percent of the results may be rejected, which ensures that analytical laboratory practices are consistent with quality requirements. Table 16 shows the number and percentage of validated records (codes without “1”), the number and percentage of verified records (codes with “1”), and the percentage of rejected records for each analyte group. Because the frequency of validation is within project quality requirements and in compliance with the RFETS validation goal of 25 percent of all analytical records the results indicate that these data are adequate.

5.2.4 Sensitivity

Reporting limits, in units of ug/kg for organics, mg/kg for metals, and pCi/g for radionuclides, were compared with proposed RFCA WRW and ecological receptor ALs. Adequate sensitivities of analytical methods were attained for all COCs that affect project decisions. “Adequate” sensitivity is defined as a reporting limit less than an analyte’s associated AL, typically less than one-half the AL.

5.3 Summary of Data Quality

The RFETS validation goal of 25% was met for this project and none of the QC exceedances were large enough to cause rejection of any sample results. The individual exceedances were reviewed to determine whether they impacted project decisions. The V&V information supplied in this report may change. If additional V&V information is received, IHSS Group 400-3 records will be updated in SWD. Any data qualified as a result of additional data will be assessed as part of the CRA process.

Overall, all of the PARCCS parameters were evaluated for this IHSS Group. Although there were individual exceedances of QC limits, the overall data quality indicate the project decisions were correct. Also, the impacts of the individual exceedances were found to have no impact on final project decisions.

Table 16
Validation and Verification Summary

Validation Qualifier Code	Total of CAS Number	Alpha Spec	Gamma Spectroscopy	SW-846 6010	SW-846 8082	SW-846 8260
No V&V	228	0	228	0	0	0
1	444	0	444	0	0	0
J	489	0	0	486	0	1
J1	481	0	0	456	0	8
V	3735	25	228	1611	0	1807
V1	7432	109	444	2199	42	4461
JB	17	0	0	0	0	17
JB1	46	0	0	16	0	30
UJ	275	0	0	179	0	90
UJ1	304	0	0	181	0	101
Total	13451	134	1344	5128	42	6515
Validated	4516	25	228	2276	0	1915
% Validated	33.57%	18.66%	16.96%	44.38%	0.00%	29.39%
Verified	8707	109	888	2852	42	4600
% Verified	64.73%	81.34%	66.07%	55.62%	100.00%	70.61%

Key

Validated	J,V,JB,UJ
Verified	1,J1,V1,JB1,UJ1

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