

B

Summary of Soil Boring Data



B Summary of Soil Boring Data

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		Date	Split Spoon Recovery (%)	USCS Symbol	Lithological Notes	Color	RDM Soil Type	Mineralogical/Lithological Observations											Moisture Observed in Soil Sample or Drill Cuttings	Monitoring Well ID	Monitoring Well Screened Interval (feet bgs)	Laboratory Soil Sample ID	Laboratory Analysis Antimony 6020A (mg/kg)	Laboratory Analysis Arsenic 6020A (mg/kg)	Laboratory Analysis Mercury 7471A (mg/kg)	XRF Antimony		XRF Arsenic		XRF Mercury					
	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)	Error								Conc. (ppm)	Error	Conc. (ppm)	Error						
MP096	4	5	07/08/15	90	SM		Dark Brown	T/WR	X						X	X	X	Damp											5520	63	4396	49	843	13		
MP096	5	6	07/08/15	90	SM	Gravel 1 to 2 cm; sand fine to coarse.	Dark Grayish Brown	T/WR	X						X	X	X	Damp			15MP096SB06	13000	6800	2100	7976	88	5203	58	580	10						
MP096	6	7	07/08/15	100	ML	Gravel 1 to 2 cm, angular; low plasticity; soft to firm.	Yellowish Brown	T/WR										Damp											2042	28	2282	26	151	4		
MP096	7	8	07/08/15	100	ML		Yellowish Brown	Native																					<LOD	33	30	2	4	1		
MP096	8	9	07/08/15	100	ML	Occasional sand very fine; igneous dike fragments.	Olive Brown	Native										Moist												382	13	203	4	24	1	
MP096	9	10	07/08/15	100	ML		Olive Brown	Native											Damp											<LOD	32	6	1	<LOD	2	
MP096	10	11	07/08/15	100	ML	Sand very fine; possibly loess.	Olive Brown	Native										Moist												341	13	228	5	27	2	
MP096	11	12	07/08/15	100	ML		Olive Brown	Native											Moist											<LOD	45	7	2	<LOD	3	
MP096	12	13	07/08/15	100	ML	Sand very fine, slightly micaceous; possibly loess.	Olive Brown	Native										Moist			15MP096SB13, duplicate 15MP200SB03	650	410	77	453	16	261	6	26	2						
MP096	13	14	07/08/15	100	ML		Olive Brown	Native											Moist											<LOD	32	10	2	<LOD	2	
MP096	14	15	07/08/15	100	ML	Sand very fine; low plasticity; soft; likely loess.	Grayish Brown	Native										Moist												60	12	20	2	<LOD	2	
MP096	15	16	07/08/15	100	ML		Olive Brown	Native											Moist											<LOD	34	12	2	<LOD	2	
MP096	16	17	07/08/15	100	ML	Gravel 1 to 3 cm, angular to rounded; low plasticity; soft; iron staining.	Grayish Brown	Native								X		Moist			15MP096SB17	1800	1200	320	1407	21	941	12	122	4						
MP096	17	18	07/08/15	100	GM		Grayish Brown	Native								X		Moist												61	12	15	2	<LOD	2	
MP096	18	19	07/08/15	80	GM	Gravel 3 cm, angular; iron staining; possibly colluvium.	Olive Brown	Native								X		Wet			15MP096SB19	250	740	4.2	140	12	418	6	4	1						
MP096	19	20	07/08/15	80	GM		Olive Brown	Native										Wet												<LOD	33	30	2	<LOD	2	
MP096	20	21	07/08/15	90	ML		Olive Brown	Native										Wet												39	11	184	4	13	1	
MP096	21	22	07/08/15	100	ML	Gravel 2 cm, angular; sand very fine; firm to stiff.	Dark Grayish Brown	Native										Moist												<LOD	40	14	2	<LOD	3	
MP096	22	23	07/08/15	90	ML	Gravel 1 to 3 cm, angular to subrounded; sand is very fine to fine; stiff.	Grayish Brown	Native										Wet												<LOD	35	11	2	<LOD	2	
MP096	23	24	07/08/15	90	ML		Olive Brown	Native											Moist											<LOD	38	15	2	<LOD	3	
MP096	24	25	07/08/15	100	ML	Gravel 2 to 3 cm, angular; sand very fine; firm; possibly colluvium.	Gray	Native										Moist												<LOD	39	22	2	<LOD	3	
MP096	25	26	07/08/15	100	ML		Olive Brown	Native											Wet			15MP096SB26	60 J	71 J	19 J	133	13	165	4	7	1					
MP096	26	27	07/08/15	70	GM	Gravel 2 to 3 cm, angular; sand very fine; firm; possibly colluvium.	Grayish Brown	Native										Moist												<LOD	38	23	2	<LOD	3	
MP096	27	28	07/08/15	70	GM		Brown	Native											Wet											<LOD	42	43	3	<LOD	3	
MP096	28	30	07/08/15	80			Brown	WB										Wet																		
MP096	30	32	07/08/15	50			Dark Gray	WB										Moist																		
MP097	0	1	07/08/15	30	NR	Gravel 1 to 2 cm, angular; sand fine to medium; loose.	Dark Grayish Brown	T/WR										Damp																		
MP097	1	2	07/08/15	30	GM		Dark Grayish Brown	T/WR	X									X	Damp			15MP097SB02	4300	1700	390	2799	27	1064	16	60	6					
MP097	2	3	07/08/15	30	NR	Gravel 1 to 3 cm, angular to subangular; low plasticity; weathered diesel odor; no staining.	Dark Grayish Brown	T/WR											Damp																	
MP097	3	4	07/08/15	40	ML		Gray	Native								X		Damp													759	17	432	10	15	4
MP097	4	5	07/08/15	100	ML	Gravel angular to rounded; low plasticity; soft to firm; weathered diesel odor.	Gray	Native										Damp												1040	19	1738	20	36	5	
MP097	5	6	07/08/15	100	ML	Gravel angular to subrounded; firm; no diesel odor.	Tan	Native										Damp			15MP097SB06	710	770	76	45	12	51	5	<LOD	7						
MP097	6	7	07/08/15	90	ML	Gravel fine to medium, angular to subrounded; low plasticity; soft; light weathered diesel odor.	Gray	Native										Wet												1475	20	497	11	22	4	
MP097	7	8	07/08/15	90	MH	Medium plasticity; firm; no diesel odor.	Gray	Native										Moist												<LOD	16	24	3	<LOD	6	
MP097	8	9	07/08/15	60	ML	Gravel 1 to 3 cm, subrounded to angular; low plasticity; firm; no odor; gray weathered diesel staining.	Brown	Native													15MP097SB09	1800	1100	92	1795	22	464	10	21	4						
MP097	9	10	07/08/15	60	ML		Grayish Brown	Native											Wet												54	11	39	4	<LOD	6
MP097	10	11	07/08/15	80	ML	Gravel 1 to 3 cm, subrounded to angular; low plasticity; firm; no odor; gray weathered diesel staining.	Olive Brown	Native										Moist			15MP097SB11, duplicate 15MP200SB04	650 J+	800 J+	110	856	17	719	13	47	5						
MP097	11	12	07/08/15	80	MH	Medium plasticity; soft to firm; bedding dip approximately 45 degrees; peat layers; trace weathered diesel staining.	Olive Brown	Native										Moist												204	12	99	5	<LOD	6	
MP097	12	13	07/08/15	100	GM	Gravel 1 to 3 cm, angular.	Olive Brown	Native										Saturated			15MP097SB13	160	330	22	1431	20	552	11	27	5						
MP097	13	14	07/08/15	100	ML	Gravel fine to medium, angular; medium plasticity; soft; trace diesel odor.	Olive Brown	Native										Wet												374	13	296	8	18	4	
MP097	14	15	07/08/15	100			Olive Brown	WB										Saturated												180	12	175	6	<LOD	6	
MP097	15	16	07/08/15	100		Bedding dip approximately 60 degrees; heavy iron staining.	Orange Brown	WB										Damp												63	15	42	5	<LOD	9	
MP098	0	1	07/09/15	80	SM		Brown	T/WR										Moist											1239	18	755	13	85	6		
MP098	1	2	07/09/15	80	GP	Gravel fine to large, angular, siltstone; iron staining; igneous dike.	Black	T/WR							X			Damp												647	18	3743	36	92	9	
MP098	2	3	07/09/15	80	GM	Gravel 1 to 3 cm, angular, siltstone; heavy iron staining.	Brown	T/WR										Moist												94	13	761	16	25	6	
MP098	3	4	07/09/15	80	ML	Gravel fine to 3 cm, angular; sand fine; igneous dike fragments; heavy iron staining.	Brown	T/WR										Moist												290	14	692	14	14	5	
MP098	4	5	07/09/15	90	GM	Gravel fine to 3 cm, angular; iron staining; trace wood chips.	Dark Gray	T/WR										Damp												6412	44	1776	22	698	16	

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	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitriuous "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)								Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
MP098	5	6	07/09/15		GM	Gravel >5 cm, angular to subangular, siltstone; igneous dike fragments.	Gray	T/WR						X			X		Damp						1393	23	1214	20	230	11	
MP098	6	7	07/09/15	50	NR	Gravel 3 to >5 cm, angular.		T/WR																							
MP098	7	8	07/09/15	50	GM		Dark Gray	T/WR										Damp													
MP098	8	9	07/09/15	70	GP-GM	Gravel fine to >5 cm, angular; igneous dike fragments; iron staining	Dark Gray	T/WR							X			Damp													
MP098	9	10	07/09/15	70	GP-GM		Dark Gray	T/WR							X			Damp													
MP098	10	11	07/09/15	90	GP	Gravel 2 to >5 cm; igneous dike fragments.	Dark Gray	T/WR		X								Damp													
MP098	11	12	07/09/15	80	GP		Dark Gray	T/WR					X				Dry														
MP098	12	13	07/09/15	30	NR	Igneous dike fragments and heavily iron stained siltstone.	Dark Gray	T/WR										Damp													
MP098	13	14	07/09/15	30	GP		Dark Gray	T/WR										Damp													
MP098	14	15	07/09/15	70	GM	Gravel fine to 2 cm, angular.	Dark Gray	T/WR										Damp													
MP098	15	16	07/09/15	70	GP-GM	Gravel fine to >5 cm, angular; iron staining.	Light Gray	T/WR				X	X		X			Damp						281	14	1951	23	41	6		
MP098	16	18	07/09/15	5	NR	Sand very fine to coarse.		T/WR																188	12	282	8	<LOD	6		
MP098	18	20	07/09/15	5	SM	Low plasticity; firm; one >5 cm clast of igneous dike with abundant cinnabar.	Dark Grayish Brown	T/WR										Moist		15MP098SB20	220	1200	250	339	15	1686	22	90	7		
MP098	20	21	07/09/15	50	NR	Loose; one >5 cm clast of igneous dike fragments with cinnabar veins.		note																53	13	917	17	1213	21		
MP098	21	22	07/09/15	50	ML	Gravel angular to subangular to subrounded shale to siltstone; sand fine to coarse; heavy iron staining.	Dark Grayish Brown	note	X			X						Damp						44	11	526	11	15	5		
MP098	22	23	07/09/15	90	GM	Gravel 1 cm, angular; sand fine to medium; very low plasticity; soft; iron stain; possible igneous dike fragments.	Brown	note				X						Damp						200	15	833	17	219	11		
MP098	23	24	07/09/15	90	SM	Gravel is all igneous dike and vein material with abundant cinnabar; sand very fine; low to medium plasticity.	Brown	note										Damp						135	16	90	8	756	21		
MP098	24	25	07/09/15	80	ML	Gravel 1 to 3 cm, angular to subangular igneous dike and sedimentary rock fragments; stiff; heavy iron staining; abundant cinnabar at 24 ft.	Brown	note				X						Damp						303	15	270	10	23	6		
MP098	25	26	07/09/15	80	ML	Gravel angular to subangular shale and igneous dike fragments; sand very fine; low plasticity; stiff.	Gray	note				X			X			Moist		15MP098SB26	120	590	8900	413	15	1083	17	241	10		
MP098	26	27	07/09/15	100	ML	Gravel 2 cm to >5 cm, all igneous dike fragments; very heavy iron staining.	Orange Brown	note				X						Damp						81	11	293	8	21	4		
MP098	27	28	07/09/15	100	GM	Gravel >5 cm; sand very fine to medium; low plasticity, soft to firm; iron staining at 28 ft.	Orange Brown	note				X						Moist						101	11	223	7	16	4		
MP098	28	29	07/09/15	50	ML	Gravel 1 to 2 cm, angular sedimentary and igneous dike fragments; sand very fine to medium; no plasticity; very soft to soft.	Brown	note				X						Moist													
MP098	29	30	07/09/15	50	ML		Orange Brown	note				X						Wet						442	16	429	12	42	6		
MP098	30	31	07/09/15	100	GM	Gravel fine to 1 cm sedimentary; iron staining.	Yellowish Brown	note										Saturated						264	13	286	8	61	6		
MP098	31	32	07/09/15	100	ML	Gravel fine to 2 cm; sand very fine to fine; very low to low plasticity.	Gray	note										Wet						361	15	223	9	11	5		
MP098	32	33	07/09/15	70	ML	Gravel angular; firm to stiff.	Brown	note										Saturated		15MP098SB33	200	630	470	418	15	433	11	135	7		
MP098	33	34	07/09/15	70	ML	Gravel angular to platy shale; low plasticity; stiff.	Dark Grayish Brown	note							X			Moist						523	16	170	7	13	5		
MP098	34	35	07/09/15	60	GP	Gravel fine to coarse, angular.	Gray	note										Wet													
MP098	35	36	07/09/15	60	GP-GM	Gravel >5 cm, all igneous dike material; iron staining.	Light Gray	WB							X	X		Wet		15MP098SB36	480	4900	200	638	15	1729	20	60	6		
MP098	36	37	07/09/15	50	NR			WB																							
MP098	37	38	07/09/15	50	GM	Gravel >5 cm, angular siltstone; heavy iron staining.	Orange Brown	WB										Saturated		15MP098SB38	1600	4600	470	1747	24	2782	28	160	9		
MP098	38	39	07/09/15	30	NR			WB																							
MP098	39	40	07/09/15	30	GW-GM	Gravel fine to >5 cm, angular shale and siltstone; heavy iron staining.	Orange Brown	WB										Saturated						1351	21	1857	22	68	6		
MP098	40	41	07/09/15	40	NR			WB																							
MP098	41	42	07/09/15	40	GP-GM	Gravel fine to >5 cm; iron staining; cinnabar at 42 ft.	Orange Brown	WB				X						Saturated						1279	21	2610	27	290	11		
MP098	42	44	07/09/15	100		Heavily iron stained sedimentary bedrock with vein and possible igneous material (light gray). Vein approximately follows sedimentary bedrock dip. Cinnabar, orpiment, and iron staining along fractures.	Light Gray	WB				X		X	X			Wet													
MP098	44	45	07/09/15	100		As above, with abundant cinnabar and orpiment in vein with calcite and light opaque green mineral (possible dickite).	Light Gray	WB				X		X	X			Wet						1314	26	6243	53	949	24		
MP099	0	2	07/09/15	30	SM	Gravel angular; sand very fine to coarse.	Dark Grayish Brown	T/WR										Dry													
MP099	2	4	07/09/15	80	SM	Gravel fine to 1.5 cm, angular; sand fine to coarse.	Brown	T/WR	X			X			X			Dry						6587	47	6264	44	606	16		
MP099	4	6	07/09/15	30	SM	Gravel fine to 1 cm, angular to rounded; sand fine to medium; wood debris.	Dark Grayish Brown	T/WR	X			X						Damp						3139	31	2607	27	142	9		
MP099	6	7				Gravel 0.5 cm, angular; sand very fine; low plasticity; firm; wood at 6.3 and 7.8 ft.		T/WR	X						X									10017	60	4569	38	133	9		
MP099	7	8	07/09/15	100	ML		Olive Brown	DN	X			X						Damp						558	15	274	8	30	5		
MP099	8	9				Gravel angular.		T/WR	X						X	X								2525	26	1601	21	185	9		
MP099	9	10	07/09/15	100	ML	Gravel angular; sand very fine to medium; low plasticity; firm; wood debris.	Brown	DN	X			X	X					Moist						63	12	76	5	<LOD	6		
MP099	10	11				Gravel angular; sand very fine to medium; low plasticity; firm; wood debris.		T/WR				X	X							15MP099SB11	10000	4000	540	11982	67	2450	28	659	17		
MP099	11	12	07/09/15	100	ML		Olive Brown	DN										Damp		15MP099SB12	110	280	35	52	12	379	10	<LOD	7		
MP099	12	13						DN				X								15MP099SB13	3400	3200	640	5805	41	4050	36	304	12		
MP099	13	14	07/09/15	70	SM	Sand fine; iron staining.	Gray	Native										Damp						54	11	19	3	<LOD	6		
MP099	14	15						Native																<LOD	17	20	3	<LOD	6		
MP099	15	16	07/09/15	100	SM	Strong weathered diesel odor and staining below 15 ft.	Gray	Native										Moist						<LOD	16	16	3	<LOD	5		
MP099	16	17				Gravel consists of calcines, red porous rock; heavy iron staining; weathered diesel odor and staining.		DN												15MP099SB17	380	590	130	828	16	431	10	25	5		
MP099	17	18	07/09/15	100	ML		Olive Brown	DN	X									Moist						<LOD	17	14	3	<LOD	6		

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	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)								Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
																															Conc. (ppm)
RD21	2	3				Gravel 0.5 to 1 cm, angular; sand coarse; with cinnabar fragments and red porous rock.		T/WR																1190	21	1105	14	30	2		
RD21	3	4	07/11/15	90	GP-GC	Gravel siltstone to 3.6 ft., shale below.	Brown	T/WR		X														<LOD	44	16	2	<LOD	3		
RD21	4	5						T/WR										15RD21SB05	740	1300	200			1356	21	867	11	35	2		
RD21	5	6	07/11/15	100	GP-GC		Brown	T/WR		X														56	14	19	2	4	1		
RD21	6	7				Shale bedding dip approximately 75 degrees; one bed of iron-stained siltstone; fractures.		WB																1778	25	1774	20	24	2		
RD21	7	8	07/11/15	100			Gray	WB																<LOD	42	9	2	3	1		
RD22	0	2	07/11/15	50	ML	Sand very fine; no plasticity; soft.	Brown	Native											15RD22SB01	210	270	20			47	11	21	3	<LOD	6	
RD22	2	3						Native																92	11	43	4	<LOD	6		
RD22	3	4	07/11/15	70	ML	Gravel 1 to 2 cm, angular siltstone; low plasticity; soft; wood debris.	Brown	Native																<LOD	16	26	3	<LOD	6		
RD22	4	5						Native																<LOD	15	19	3	<LOD	6		
RD22	5	6	07/11/15	100	SM	Gravel 3 - 5 cm, angular siltstone; sand very fine to medium.	Brown	Native																<LOD	17	13	3	<LOD	7		
RD22	6	7				Gravel 1 to >5 cm siltstone, light iron staining; sand very fine to medium; low plasticity; soft.		Native																<LOD	16	14	3	<LOD	5		
RD22	7	8	07/11/15	100	ML		Brown	Native																<LOD	16	10	3	<LOD	6		
RD22	8	9				Gravel 1 to >5 cm siltstone, light iron staining; sand very fine to medium; low plasticity; soft.		Native											15RD22SB09	9.9	24 J+	3.5			162	12	74	5	6	4	
RD22	9	10	07/11/15	90	ML		Grayish Brown	Native																<LOD	17	13	3	<LOD	6		
RD22	10							Native																							
RD22	11	12	07/11/15	50	GM	Gravel 2 to >5 cm, angular siltstone.	Gray	Native																<LOD	15	21	3	<LOD	5		
RD22	12							Native																							
RD22	13	14	07/11/15	50	ML	Gravel siltstone to 13.5 ft., shale to 14 ft.; very low plasticity; stiff.	Grayish Brown	Native																	<LOD	18	21	4	<LOD	7	
RD22	14	15						Native																<LOD	18	7	3	<LOD	7		
RD22	15	16	07/11/15	100	GC	Gravel shale and occasional siltstone.	Gray	Native																<LOD	17	6	3	<LOD	7		
RD22	16	17						Native																<LOD	15	27	3	<LOD	5		
RD22	17	18	07/11/15	80	GP-GC	Shale and siltstone, with clay in fractures; highly weathered.	Gray	WB																<LOD	18	8	3	<LOD	7		
RD22	18	19						WB																<LOD	16	21	3	<LOD	6		
RD22	19	20	07/11/15	80		Shale and siltstone, with clay in fractures; very weathered; very stiff; bedding dip approximately 45 degrees.	Gray	WB																<LOD	16	10	3	<LOD	6		
SM67	0	2	07/14/15	50	ML	Gravel 1 to 4 cm, angular siltstone with iron staining; low plasticity; soft; loess.	Olive Brown	L + KG																<LOD	39	61	3	<LOD	3		
SM67	2	3						Loess																<LOD	95	<LOD	37	<LOD	20		
SM67	3	4	07/14/15	90	ML	Micaceous; low to medium plasticity; firm; loess.	Olive Brown	Loess																<LOD	35	16	2	<LOD	2		
SM67	4	6	07/14/15	70	ML	Micaceous; low to medium plasticity; firm; roots; loess.	Olive Brown	Loess																<LOD	32	5	1	<LOD	2		
SM67	6	7						Loess																<LOD	35	6	2	<LOD	2		
SM67	7	8	07/14/15	80	ML	Micaceous; medium plasticity; soft; likely loess.	Olive Brown	Loess																<LOD	33	8	1	2	1		
SM67	8	9						Loess																<LOD	41	122	4	4	1		
SM67	9	10	07/14/15	100	ML	Shale weathering to clay.	Olive Brown	WB																<LOD	38	111	4	4	1		
SM67	10	11						WB																<LOD	39	116	4	4	1		
SM67	11	12	07/14/15	100	GP	Gravel fine to >5 cm siltstone, graywacke; iron staining.	Grayish Brown	WB																<LOD	42	157	4	5	1		
SM67	12	13						WB																<LOD	40	196	5	5	1		
SM67	13	14	07/14/15	80		Weathered siltstone and graywacke, 1 to >5 cm; silt fill in fractures.	Grayish Brown	WB																<LOD	38	138	4	3	1		
SM67	14	15						WB																<LOD	35	90	3	5	1		
SM67	15	16	07/14/15	100		Competent siltstone and graywacke; iron staining; fractures in siltstone filled with white hard clay.	Gray	WB																<LOD	44	162	5	<LOD	4		
SM67	16	17						WB																<LOD	40	103	4	5	1		
SM67	17	18	07/14/15	100		Shale with orange (iron) staining in bands parallel to bedding. White clay.	Gray	WB																<LOD	33	13	1	3	1		
SM67	18	19						WB																<LOD	44	119	4	<LOD	4		
SM67	19	20	07/14/15			Weathered, fractured siltstone to 19 ft; shale to 20 ft, iron staining, bedding dip approximately 30 degrees.	Gray	WB																<LOD	42	98	4	6	1		
SM67	20	21	07/14/15			Shale.	Gray	B																<LOD	38	55	3	4	1		
SM67	21	22	07/14/15			Shale with occasional siltstone.	Gray	B																<LOD	36	75	3	6	1		
SM67	22	23	07/14/15			Shale with occasional siltstone.	Gray	B																<LOD	38	78	3	4	1		
SM67	23	24	07/14/15			Shale.	Grayish Brown	B																<LOD	36	75	3	4	1		
SM67	24	25	07/14/15			Shale.	Grayish Brown	B																<LOD	36	44	2	3	1		
SM67	25	26	07/14/15			Shale and siltstone.	Grayish Brown	B																<LOD	38	106	3	<LOD	3		
SM67	26	27	07/14/15			Shale and siltstone.	Grayish Brown	B																<LOD	38	73	3	3	1		
SM67	27	28	07/14/15			Shale and siltstone.	Grayish Brown	B																<LOD	39	93	3	5	1		
SM67	28	29	07/14/15			Shale and siltstone.	Grayish Brown	B																<LOD	38	85	3	<LOD	3		

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		Date	Split Spoon Recovery (%)	USCS Symbol	Lithological Notes	Color	RDM Soil Type	Mineralogical/Lithological Observations								Moisture Observed in Soil Sample or Drill Cuttings	Monitoring Well ID	Monitoring Well Screened Interval (feet bgs)	Laboratory Soil Sample ID	Laboratory Analysis Antimony 6020A (mg/kg)	Laboratory Analysis Arsenic 6020A (mg/kg)	Laboratory Analysis Mercury 7471A (mg/kg)	XRF Antimony		XRF Arsenic		XRF Mercury	
	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitriuous "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material								Red Rind	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)
SM67	29	30	07/14/15			Shale and increasing siltstone.	Dark Gray	B													<LOD	39	79	3	4	1			
SM67	30	31	07/14/15			Siltstone.	Grayish Brown	B													<LOD	39	60	3	<LOD	3			
SM67	31	32	07/14/15			Siltstone; trace white clay; iron staining.	Gray	B													<LOD	38	79	3	5	1			
SM67	32	33	07/14/15			Shale.	Brown	B													<LOD	37	89	3	5	1			
SM67	33	34	07/14/15			Shale with occasional siltstone.	Brown	B													<LOD	37	112	3	3	1			
SM67	34	35	07/14/15			Shale with occasional siltstone.	Grayish Brown	B													<LOD	37	77	3	4	1			
SM67	35	36	07/14/15			Shale and siltstone.	Grayish Brown	B													<LOD	37	78	3	4	1			
SM67	36	37	07/14/15			Shale and siltstone.	Grayish Brown	B													<LOD	36	67	3	<LOD	3			
SM67	37	38	07/14/15			Siltstone and occasional shale. trace iron staining.	Dark Gray	B													<LOD	39	62	3	3	1			
SM67	38	39	07/14/15			Shale and very fine grained siltstone.	Dark Gray	B													<LOD	35	74	3	<LOD	3			
SM67	39	40	07/14/15			Argillite.	Black	B													<LOD	36	91	3	5	1			
SM67	40	41	07/14/15			Siltstone.	Dark Gray	B													<LOD	38	92	3	4	1			
SM67	41	42	07/14/15			Siltstone.	Gray	B													<LOD	40	86	3	<LOD	3			
SM67	42	43	07/14/15			Siltstone and shale.	Gray	B													<LOD	41	80	3	<LOD	3			
SM67	43	44	07/14/15			Siltstone and shale.	Dark Gray	B													<LOD	38	95	3	3	1			
SM67	44	45	07/14/15			Shale with occasional siltstone.	Gray	B													<LOD	39	86	3	<LOD	3			
SM67	45	46	07/14/15			Siltstone; trace quartz.	Grayish Brown	B							X						<LOD	41	99	4	<LOD	3			
SM67	46	47	07/14/15			Siltstone and graywacke, slight iron staining; trace quartz.	Brown	B													<LOD	40	176	5	<LOD	3			
SM67	47	48	07/14/15			Siltstone and occasional sand; trace quartz.	Gray	B													<LOD	40	67	3	<LOD	3			
SM67	48	49	07/14/15			Siltstone.	Gray	B													<LOD	41	109	4	<LOD	3			
SM67	49	50	07/14/15			Siltstone; trace vein material.	Gray	B							X						<LOD	39	54	3	4	1			
SM67	50	51	07/14/15			Siltstone with occasional iron staining.	Dark Gray	B													<LOD	37	41	2	4	1			
SM67	51	52	07/14/15			Siltstone and occasional graywacke; trace iron staining.	Dark Gray	B													<LOD	40	68	3	4	1			
SM67	52	53	07/14/15			Siltstone with trace iron staining; few shale.	Gray	B													<LOD	38	54	3	<LOD	3			
SM67	53	54	07/14/15			Siltstone, occasional shale; trace iron staining.	Gray	B													<LOD	40	60	3	3	1			
SM67	54	55	07/14/15			Graywacke and occasional shale.	Light Gray	B													<LOD	42	53	3	<LOD	3			
SM67	55	56	07/14/15			Shale and graywacke; shale is soft, graywacke is hard.	Gray	B													<LOD	38	70	3	7	1			
SM67	56	57	07/14/15			Shale and siltstone.	Black	B													<LOD	39	65	3	4	1			
SM67	57	58	07/14/15			Shale and siltstone.	Gray	B													<LOD	42	69	3	<LOD	3			
SM67	58	59	07/14/15			Shale and siltstone.	Gray	B													<LOD	40	64	3	4	1			
SM67	59	60	07/14/15			Shale and siltstone.	Gray	B													<LOD	40	65	3	<LOD	3			
SM67	60	61	07/14/15			Shale and siltstone.	Gray	B													<LOD	45	77	3	<LOD	3			
SM67	61	62	07/14/15			As above with occasional graywacke; trace iron staining.	Gray	B													<LOD	43	369	8	<LOD	4			
SM67	62	63	07/14/15			As above but no iron staining.	Dark Gray	B													<LOD	42	97	4	<LOD	3			
SM67	63	64	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	39	96	3	4	1			
SM67	64	65	07/14/15			Shale and siltstone; iron staining.	Gray	B													<LOD	41	92	3	<LOD	3			
SM67	65	66	07/14/15			Siltstone.	Gray	B													<LOD	38	43	2	3	1			
SM67	66	67	07/14/15			Siltstone; iron staining.	Gray	B													<LOD	39	59	3	<LOD	3			
SM67	67	68	07/14/15			Siltstone.	Gray	B													<LOD	40	67	3	<LOD	3			
SM67	68	69	07/14/15			Siltstone and occasional graywacke.	Gray	B													<LOD	40	46	3	<LOD	3			
SM67	69	70	07/14/15			Graywacke and siltstone.	Light Gray	B													<LOD	39	40	2	4	1			
SM67	70	71	07/14/15			Graywacke and siltstone.	Gray	B													<LOD	40	159	4	<LOD	3			
SM67	71	72	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	38	77	3	4	1			
SM67	72	73	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	39	79	3	3	1			
SM67	73	74	07/14/15			Siltstone.	Gray	B													<LOD	44	69	3	<LOD	3			
SM67	74	75	07/14/15			Siltstone.	Dark Gray	B													<LOD	41	54	3	<LOD	3			
SM67	75	76	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	38	81	3	5	1			
SM67	76	77	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	38	85	3	4	1			
SM67	77	78	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	41	87	3	<LOD	3			
SM67	78	79	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	39	116	4	3	1			
SM67	79	80	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	38	93	3	<LOD	3			
SM67	80	81	07/14/15			Siltstone and graywacke.	Gray	B													<LOD	42	52	3	<LOD	3			
SM67	81	82	07/14/15			Siltstone.	Gray	B													<LOD	38	41	2	<LOD	3			
SM67	82	83	07/14/15			Siltstone, shale, and occasional clasts of white vein material.	Light Gray	B													<LOD	42	44	3	4	1			
SM67	83	84	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	39	93	3	4	1			
SM67	84	85	07/14/15			As above, with trace clasts of graywacke.	Gray	B													<LOD	40	66	3	3	1			
SM67	85	86	07/14/15			Shale, siltstone, and trace graywacke.	Dark Gray	B													<LOD	38	83	3	5	1			
SM67	86	87	07/14/15			Shale and siltstone.	Dark Gray	B													<LOD	40	50	3	<LOD	3			
SM67	87	88	07/14/15			Siltstone.	Gray	B													<LOD	38	48	2	<LOD	3			
SM67	88	89	07/14/15			Graywacke and siltstone.	Gray	B													<LOD	41	43	2	<LOD	3			
SM67	89	90	07/14/15			As above, with trace shale.	Gray	B													<LOD	42	35	2	4	1			
SM68a	0	2	07/15/15	0	NR			KG																					

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		Date	Split Spoon Recovery (%)	USCS Symbol	Lithological Notes	Color	RDM Soil Type	Mineralogical/Lithological Observations								Moisture Observed in Soil Sample or Drill Cuttings	Monitoring Well ID	Monitoring Well Screened Interval (feet bgs)	Laboratory Soil Sample ID	Laboratory Analysis Antimony 6020A (mg/kg)	Laboratory Analysis Arsenic 6020A (mg/kg)	Laboratory Analysis Mercury 7471A (mg/kg)	XRF Antimony		XRF Arsenic		XRF Mercury	
	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material								Red Rind	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)
SM68a	2	4	07/15/15	50	GP-GM	Gravel fine to >5 cm, angular siltstone and shale weathering to silt and clay.	Brown	KG													137	18	187	6	7	2			
SM68a	4	5				As above, with trace iron staining.		KG													<LOD	68	120	6	<LOD	6			
SM68a	5	6	07/15/15	60	GP-GM			KG													<LOD	38	93	3	<LOD	3			
SM68a	6	7				Weathered shale altering to clay, and argillite, bedding dip approximately 60 degrees; heavy iron staining.		KG													<LOD	45	122	4	4	1			
SM68a	7	8	07/15/15	100			Black	KG							Moist						<LOD	42	153	4	4	1			
SM68a	8	9				Weathered argillite.		WB													<LOD	37	176	4	5	1			
SM68a	9	10	07/15/15	80		Weathered siltstone, one clast has a coating of a blue-green clay mineral (possibly dickite) and orpiment; bedding dip approximately 60 to 80 degrees.	Dark Brown	WB						X	X	Damp					<LOD	41	132	4	<LOD	3			
SM68a	10	11				Weathered siltstone and graywacke; bedding dip approximately 60 degrees..		WB										15SM68SB11	9.1	260	11	147	13	226	5	<LOD	3		
SM68a	11	12	07/15/15	90			Gray	WB								Damp					<LOD	55	140	6	<LOD	4			
SM68a	12	13						WB													<LOD	43	94	4	<LOD	3			
SM68a	13	14	07/15/15	100		Weathered graywacke, fine grain size, visible quartz.	Grayish Brown	WB								Damp					<LOD	35	58	2	4	1			
SM68a	14	15						WB													<LOD	39	111	4	6	1			
SM68a	15	16	07/15/15	90		Graywacke weathering to fine sand; light iron staining in fractures.	Grayish Brown	WB								Dry					<LOD	39	80	3	4	1			
SM68a	16	17				Weathered graywacke.		WB													71	20	104	6	<LOD	5			
SM68a	17	18	07/15/15	100		Shale weathering to clay, with orange staining in bands parallel to shale bedding.	Dark Gray	WB								Dry					<LOD	51	34	3	<LOD	3			
SM68a	18	19				Weathered siltstone with iron concretions.		WB													<LOD	38	72	3	3	1			
SM68a	19	20	07/15/15	80		Weathered graywacke.	Gray	WB								Dry					<LOD	35	116	3	3	1			
SM68a	20	21				Argillaceous siltstone to 20.5 ft, graywacke to 21 ft.		WB													<LOD	83	195	10	<LOD	7			
SM68a	21	22	07/15/15	100		Argillite; iron staining; bedding dip approximately 60 degrees.	Black	WB								Dry					327	17	735	12	<LOD	5			
SM68a	22	23				Siltstone, iron staining in fractures and concretions.		B													1313	29	1882	30	<LOD	7			
SM68a	23	24	07/15/15	75		Graywacke; bedding dip approximately 60 degrees.	Grayish Brown	B								Dry					188	13	715	10	5	1			
SM68a	24	25	07/15/15			Argillite.	Black	B								Damp					85	13	447	7	7	1			
SM68a	25	26	07/15/15			Siltstone.	Brown	B						X		Damp					506	16	987	13	6	2			
SM68a	26	27	07/15/15			Siltstone and graywacke; iron staining.	Brown	B								Damp					291	15	828	12	<LOD	4			
SM68a	27	28	07/15/15			Graywacke, trace igneous dike.	Grayish Brown	B							X	Damp					151	14	472	8	6	1			
SM68a	28	29	07/15/15			Graywacke and argillite.	Grayish Brown	B								Damp					78	13	423	7	6	1			
SM68a	29	30	07/15/15			Graywacke.	Grayish Brown	B								Damp					47	13	400	7	<LOD	3			
SM68a	30	31	07/15/15			Argillite and siltstone; iron staining.	Dark Gray	B								Damp					<LOD	38	183	4	7	1			
SM68a	31	32	07/15/15			Shale and siltstone with iron staining.	Dark Gray	B								Damp					<LOD	37	235	5	6	1			
SM68a	32	33	07/15/15			Argillite with iron staining.	Black	B								Damp					<LOD	39	163	4	8	1			
SM68a	33	34	07/15/15			Graywacke and siltstone.	Brownish Yellow	B								Damp					<LOD	37	271	5	5	1			
SM68a	34	35	07/15/15			Argillite with iron staining.	Very Dark Gray	B								Damp					<LOD	38	226	5	7	1			
SM68a	35	36	07/15/15			Siltstone with iron staining, some graywacke.	Grayish Brown	B						X		Damp					<LOD	39	386	7	8	1			
SM68a	36	37	07/15/15			Graywacke with iron staining.	Gray	B								Damp					94	13	620	9	7	1			
SM68b	0	25	07/16/15						As above																				
SM68b	25	26	07/16/15			Siltstone and graywacke.	Dark Gray	B								Damp					<LOD	39	82	3	4	1			
SM68b	26	27	07/16/15			Siltstone and graywacke; iron staining.	Grayish Brown	B								Moist					<LOD	40	72	3	<LOD	3			
SM68b	27	28	07/16/15			Graywacke and shale; possible iron staining.	Brown	B								Damp					<LOD	36	41	2	3	1			
SM68b	28	29	07/16/15			Shale.	Brown	B								Damp					<LOD	38	41	2	3	1			
SM68b	29	30	07/16/15			Siltstone with iron staining.	Gray	B								Dry					<LOD	36	54	3	<LOD	3			
SM68b	30	31	07/16/15			Siltstone.	Gray	B								Dry					<LOD	39	73	3	<LOD	3			
SM68b	31	32	07/16/15			Graywacke pulverized to fine sand dust.	Gray	B								Damp					<LOD	36	36	2	3	1			
SM68b	32	33	07/16/15			Graywacke with occasional iron staining.	Gray	B								Damp					<LOD	37	36	2	<LOD	3			
SM68b	33	34	07/16/15			Siltstone and graywacke with iron staining.	Gray	B								Damp					<LOD	36	47	2	4	1			
SM68b	34	35	07/16/15			Argillite.	Dark Gray	B								Damp					<LOD	35	92	3	3	1			
SM68b	35	36	07/16/15			Argillite with iron staining.	Black	B								Damp					<LOD	36	57	3	<LOD	3			
SM68b	36	37	07/16/15			Siltstone with iron staining.	Dark Gray	B								Damp					<LOD	37	67	3	<LOD	3			
SM68b	37	38	07/16/15			Siltstone.	Dark Gray	B								Damp					<LOD	40	33	2	<LOD	3			
SM68b	38	39	07/16/15			Siltstone and graywacke .	Dark Gray	B								Damp					<LOD	40	69	3	<LOD	3			
SM68b	39	40	07/16/15			Graywacke with iron staining.	Gray	B								Damp					<LOD	37	54	2	4	1			
SM68b	40	41	07/16/15			Siltstone with some of orange staining 1mm in width, occasional argillite.	Dark Gray	B								Moist					<LOD	39	47	3	4	1			
SM68b	41	42	07/16/15			As above, with more iron staining.	Dark Brown	B								Damp					<LOD	35	38	2	<LOD	3			
SM68b	42	43	07/16/15			Siltstone with iron staining.	Dark Brown	B								Damp					<LOD	37	93	3	4	1			

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	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)								Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
SM68b	43	44	07/16/15			Argillite.	Black	B														<LOD	39	76	3	3	1				
SM68b	44	45	07/16/15			Argillite with iron staining.	Black	B														<LOD	39	83	3	4	1				
SM68b	45	46	07/16/15			Argillite with iron staining.	Black	B														<LOD	40	106	4	<LOD	3				
SM68b	46	47	07/16/15			Argillite with trace iron staining.	Black	B														<LOD	38	64	3	<LOD	3				
SM68b	47	48	07/16/15			Argillite.	Black	B														<LOD	37	91	3	4	1				
SM68b	48	49	07/16/15			Argillite.	Black	B														<LOD	40	67	3	<LOD	3				
SM68b	49	50	07/16/15			Argillite with trace iron staining.	Black	B														<LOD	38	93	3	<LOD	3				
SM68b	50	51	07/16/15			Argillite with iron staining.	Dark Gray	B														<LOD	45	81	4	<LOD	4				
SM68b	51	52	07/16/15			Argillite and siltstone with iron staining in fractures.	Very Dark Gray	B														<LOD	41	85	3	5	1				
SM68b	52	53	07/16/15			Argillite with trace iron staining.	Black	B														<LOD	38	123	4	5	1				
SM68b	53	54	07/16/15			Argillite with iron staining in fractures.	Black	B														<LOD	40	116	4	6	1				
SM68b	54	55	07/16/15			Argillite and shale.	Black	B														<LOD	39	135	4	4	1				
SM68b	55	56	07/16/15			Graywacke and shale; iron staining.	Gray	B														<LOD	40	56	3	<LOD	3				
SM68b	56	57	07/16/15			Siltstone and graywacke with iron staining 2 mm wide in fractures.	Dark Gray	B														<LOD	38	110	3	4	1				
SM68b	57	58	07/16/15			Siltstone with orangish-yellow iron staining in fractures.	Dark Gray	B														<LOD	38	86	3	3	1				
SM68b	58	59	07/16/15			Siltstone with orangish-yellow iron staining in fractures.	Dark Gray	B														<LOD	38	80	3	<LOD	3				
SM68b	59	60	07/16/15			Siltstone and graywacke with orange staining, one possible grain of orpiment.	Dark Gray	B							X							<LOD	40	289	6	7	1				
SM68b	60	61	07/16/15			Siltstone with trace iron staining.	Dark Gray	B														<LOD	38	164	4	5	1				
SM68b	61	62	07/16/15			Siltstone with iron staining and possible realgar.	Dark Gray	B							X							<LOD	37	287	5	4	1				
SM68b	62	63	07/16/15			Argillite and siltstone with some iron staining in fractures.	Very Dark Gray	B														48	13	444	8	13	2				
SM68b	63	64	07/16/15			Argillite with trace quartz; iron staining, realgar, orpiment. Driller noted fractured rock while drilling 63 to 64 ft interval.	Black	B							X	X	X					402	14	1788	20	19	2				
SM68b	64	65	07/16/15			Ore body. Igneous dike with quartz, realgar, orpiment, and cinnabar. Some argillite.	Light Gray	B				X		X		X						5659	63	10672	110	16	4				
SM68b	65	66	07/16/15			Argillite and siltstone.	Very Dark Gray	B				X		X	X	X						2145	26	2975	29	13	2				
SM68b	66	67	07/16/15			Argillite; iron staining, abundant orpiment and vein material.	Black	B							X	X	X					218	15	12859	141	<LOD	14				
SM68b	67	68	07/16/15			Siltstone with 1mm thick veins containing a high amount of realgar and orpiment.	Very Dark Gray	B							X	X	X					234	14	3791	40	36	3				
SM68b	68	69	07/16/15			Siltstone with 1mm thick veins containing realgar and orpiment. Possible pulverized vein.	Dark Gray	B							X	X	X	X				51	13	1633	18	60	3				
SM68b	69	70	07/16/15			Graywacke with yellowish brown iron inclusions, realgar in veins. Driller noted fractures drilling 69 to 70 ft.	Gray	B							X	X						111	13	2013	21	69	3				
SM68b	70	71	07/16/15			Graywacke with veins containing realgar, orpiment, and iron.	Very Dark Gray	B							X		X					83	12	2017	21	52	3				
SM68b	71	72	07/16/15			Graywacke with one vein containing realgar, orpiment and iron staining; trace cinnabar.	Dark Gray	B							X	X	X	X				91	13	2678	28	54	3				
SM68b	72	73	07/16/15			Graywacke with orpiment and iron staining in 1 mm veins.	Dark Gray	B							X	X						203	15	6658	73	85	5				
SM68b	73	74	07/16/15			Siltstone with 0.5 mm realgar veins, 3 mm vein of transparent vein material.	Dark Gray	B							X		X					65	13	3662	38	34	3				
SM68b	74	75	07/16/15			Siltstone and argillite with very thin veins of white clay, orpiment, and realgar.		B							X	X						42	12	674	9	19	2				
SM68b	75	76	07/16/15			Argillite with trace white vein and realgar vein. Driller noted fractured rock.	Black	B							X		X					45	13	920	12	10	2				
SM68b	76	77	07/16/15			Siltstone with thin veins including trace white clay. Driller noted fractured rock.	Very Dark Gray	B							X		X					<LOD	37	247	5	4	1				
SM68b	77	78	07/16/15			Argillite with trace orpiment and veins, some siltstone. Driller noted fractured rock.	Black	B								X	X					<LOD	37	156	4	6	1				
SM68b	78	79	07/16/15			Siltstone with thin orangish-brown realgar and iron veins. Driller noted fractured rock.	Very Dark Gray	B							X							86	13	213	5	5	1				
SM68b	79	80	07/16/15			Siltstone with thin orangish-brown veins (realgar and iron); graywacke; driller noted fractured rock.	Dark Gray	B							X		X					<LOD	37	242	5	4	1				
SM68b	80	81	07/16/15			Siltstone with trace white vein; driller noted fractured rock.	Very Dark Gray	B									X					<LOD	36	73	3	3	1				
SM68b	81	82	07/16/15			Argillite; driller noted fractured rock.	Black	B														<LOD	39	260	6	<LOD	3				
SM68b	82	83	07/16/15			Argillite with thin realgar and orange brown vein; driller noted fractured rock.	Black	B								X						<LOD	36	117	3	4	1				
SM68b	83	84	07/16/15			Siltstone with occasional iron staining.	Dark Gray	B														<LOD	40	190	5	4	1				
SM68b	84	85	07/16/15			Shale.	Black	B														<LOD	39	120	4	<LOD	3				
SM68b	85	86	07/16/15			Shale and argillite.	Black	B														<LOD	38	132	4	4	1				
SM68b	86	87	07/16/15			Argillite and few siltstone.	Black	B														<LOD	37	99	3	4	1				
SM68b	87	88	07/16/15			Argillite and siltstone.	Black	B														<LOD	38	126	4	5	1				
SM68b	88	89	07/16/15			Argillite and siltstone.	Black	B														<LOD	41	106	4	3	1				
SM68b	89	90	07/16/15			As above, with trace rusty (iron) fracture fill.	Black	B														<LOD	46	164	5	<LOD	3				
SM68b	90	91	07/16/15			Argillite and siltstone, trace iron staining.	Black	B														<LOD	45	84	3	5	1				
SM68b	91	92	07/16/15			Argillite and siltstone, trace iron staining.	Black	B														<LOD	41	265	6	<LOD	3				

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		Date	Split Spoon Recovery (%)	USCS Symbol	Lithological Notes	Color	RDM Soil Type	Mineralogical/Lithological Observations								Moisture Observed in Soil Sample or Drill Cuttings	Monitoring Well ID	Monitoring Well Screened Interval (feet bgs)	Laboratory Soil Sample ID	Laboratory Analysis Antimony 6020A (mg/kg)	Laboratory Analysis Arsenic 6020A (mg/kg)	Laboratory Analysis Mercury 7471A (mg/kg)	XRF Antimony		XRF Arsenic		XRF Mercury	
	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material								Red Rind	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)
SM68b	92	93	07/16/15			Argillite.	Black	B													<LOD	39	140	4	4	1			
SM68b	93	94	07/16/15			Siltstone with trace iron staining and fracture fill; slow rate of drilling.	Very Dark Gray	B														<LOD	40	137	4	<LOD	3		
SM68b	94	95	07/16/15			Siltstone with trace iron staining and fracture fill; slow rate of drilling.	Very Dark Gray	B														<LOD	43	89	3	4	1		
SM68b	95	96	07/16/15			Graywacke.	Dark Gray	B						X								<LOD	48	75	4	<LOD	3		
SM68b	96	97	07/16/15			Graywacke and some argillite.	Dark Gray	B						X								<LOD	56	82	4	<LOD	4		
SM68b	97	98	07/16/15			Graywacke and some argillite.	Dark Gray	B						X								<LOD	49	99	4	<LOD	4		
SM68b	98	99	07/16/15			Graywacke and some argillite.	Dark Gray	B						X								<LOD	45	219	6	<LOD	4		
SM68b	99	100	07/16/15			Graywacke and some argillite.	Dark Gray	B														<LOD	46	78	4	4	1		
SM68b	100	101	07/16/15			Graywacke and some argillite.	Dark Gray	B														<LOD	47	120	4	6	1		
SM68b	101	102	07/16/15			Graywacke and some argillite.	Dark Gray	B														<LOD	46	75	4	<LOD	3		
SM68b	102	103	07/16/15			Argillite and trace graywacke.	Black	B														<LOD	46	100	4	<LOD	3		
SM68b	103	104	07/16/15			Graywacke.	Gray	B														<LOD	47	61	3	<LOD	3		
SM68b	104	105	07/16/15			Graywacke with trace white vein.	Gray	B						X								<LOD	47	61	3	<LOD	3		
SM68b	105	106	07/16/15			Graywacke and trace argillite.	Gray	B						X								<LOD	45	68	3	4	1		
SM68b	106	107	07/16/15			Graywacke and trace argillite.	Gray	B														<LOD	47	79	4	<LOD	4		
SM68b	107	108	07/16/15			Graywacke and trace argillite.	Dark Gray	B														<LOD	48	96	4	6	1		
SM68b	108	109	07/16/15			Graywacke and trace argillite.	Gray	B						X								<LOD	46	54	3	<LOD	3		
SM68b	109	110	07/16/15			Graywacke and few argillite; trace white vein material.	Dark Gray	B														<LOD	49	58	3	<LOD	3		
SM68b	110	111	07/16/15			Graywacke and trace argillite.	Dark Gray	B														<LOD	51	48	3	<LOD	4		
SM68b	111	112	07/16/15			Graywacke.	Dark Gray	B														<LOD	49	52	3	<LOD	4		
SM68b	112	113	07/16/15			Graywacke and some argillite.	Dark Gray	B														<LOD	52	96	4	<LOD	4		
SM68b	113	114	07/16/15			Graywacke and trace argillite; trace white vein material.	Dark Gray	B						X								<LOD	47	78	4	<LOD	3		
SM68b	114	115	07/16/15			Argillite and trace graywacke; trace white vein material.	Dark Gray	B						X								<LOD	42	57	3	<LOD	3		
SM68b	115	116	07/16/15			Graywacke and trace argillite; trace white vein material.	Dark Gray	B						X								<LOD	45	65	3	<LOD	3		
SM68b	116	117	07/16/15			Graywacke and trace argillite.	Black	B														<LOD	47	133	5	5	1		
SM68b	117	118	07/16/15			Argillite and trace graywacke; trace white vein material.	Dark Gray	B						X								<LOD	52	83	4	6	1		
SM68b	118	119	07/16/15			Graywacke and some argillite; trace white to yellowish-white vein.	Gray	B						X								<LOD	48	85	4	<LOD	4		
SM68b	119	120	07/16/15			Graywacke and trace argillite; trace white to yellowish-white vein.	Gray	B						X								<LOD	50	95	4	<LOD	4		
SM68b	120	121	07/16/15			Graywacke and trace argillite; trace white to yellowish-white vein.	Gray	B						X								<LOD	48	100	4	4	1		
SM68b	121	122	07/16/15			Graywacke and trace argillite; trace white to yellowish-white vein.	Gray	B						X								<LOD	51	96	4	4	1		
SM68b	122	123	07/16/15			Graywacke; trace white to yellowish-white vein.	Gray	B						X								<LOD	53	136	5	<LOD	4		
SM68b	123	124	07/16/15			Graywacke; trace white to yellowish-white vein.	Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	124	125	07/16/15			Graywacke and trace argillite; trace white to yellowish-white vein.	Gray	B						X								NA	NA	NA	NA	NA	NA		
SM68b	125	126	07/16/15			Argillite.	Dark Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	126	127	07/16/15			Argillite.	Dark Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	127	128	07/16/15			Graywacke and trace argillite.	Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	128	129	07/16/15			Graywacke and trace argillite.	Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	129	130	07/16/15			Graywacke and some argillite.	Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	130	131	07/16/15			Graywacke and some argillite.	Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	131	132	07/16/15			Graywacke and some argillite.	Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	132	133	07/16/15			Argillite and few graywacke.	Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	133	134	07/16/15			Argillite and few graywacke; driller noted soft rock.	Gray	B														NA	NA	NA	NA	NA	NA		
SM68b	134	135	07/16/15			Graywacke and few argillite.	Gray	B														NA	NA	NA	NA	NA	NA		
SM68c	0	50	08/08/15					As above														NA	NA	NA	NA	NA	NA		
SM68c	50	51	08/08/15			Weathered shale with white vein, argillite.	Dark Brown	B						X								ND		116		4			
SM68c	51	53.5	08/08/15			Graywacke and few weathered argillite.	Dark Reddish Brown	B														ND		254					
SM68c	53.5	55	08/08/15			Argillite and few shale.	Dark Gray	B														ND		136		5			
SM68c	55	57.5	08/08/15			Graywacke with trace white vein.	Gray	B						X								ND		166		5			
SM68c	57.5	60	08/08/15			Graywacke with trace white vein.	Dark Gray	B														ND		106		ND			
SM68c	60	62.5	08/08/15			Graywacke and trace argillite.	Dark Reddish Gray	B														ND		207		5			
SM68c	62.5	65	08/08/15			Graywacke and few argillite.	Gray	B														ND		98		ND			
SM68c	65	67.5	08/08/15			Graywacke.	Gray	B														ND		78		ND			
SM68c	67.5	70	08/08/15			Graywacke and few argillite.	Gray	B														ND		85		ND			
SM68c	70	72.5	08/08/15			Graywacke and few argillite.	Gray	B														ND		92		5			
SM68c	72.5	75	08/08/15			Argillite and few graywacke.	Gray	B														ND		89		ND			
SM68c	75	77.5	08/08/15			Argillite; soft.	Dark Gray	B														ND		75		ND			
SM68c	77.5	80	08/08/15			Argillite and few graywacke; trace white vein, few metallic-appearing fragments in vein.	Gray	B						X								ND		69		ND			
SM68c	80	82.5	08/08/15			Graywacke and some argillite; trace white to orange vein.	Gray	B						X								ND		81		6			
SM68c	82.5	85	08/08/15			Graywacke and trace argillite.	Gray	B														ND		121		ND			
SM68c	85	87.5	08/08/15			Graywacke and few argillite; trace white to orange vein.	Gray	B						X								ND		123		6			
SM68c	87.5	90	08/08/15			Graywacke and few argillite; trace white to orange vein.	Gray	B						X								ND		101		5			
SM68c	90	92.5	08/08/15			Graywacke and few argillite; trace white to orange vein.	Gray	B						X								ND		103		5			

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Soil Boring ID	Sample Depth Interval		Date	Split Spoon Recovery (%)	USCS Symbol	Lithological Notes	Color	RDM Soil Type	Mineralogical/Lithological Observations										Moisture Observed in Soil Sample or Drill Cuttings	Monitoring Well ID	Monitoring Well Screened Interval (feet bgs)	Laboratory Soil Sample ID	Laboratory Analysis Antimony 6020A (mg/kg)	Laboratory Analysis Arsenic 6020A (mg/kg)	Laboratory Analysis Mercury 7471A (mg/kg)	XRF Antimony		XRF Arsenic		XRF Mercury	
	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)								Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
SM68c	92.5	95	08/08/15			Graywacke and few argillite; few white to orange vein.	Gray	B							X		Dry						ND		74		6				
SM68c	95	97.5	08/08/15			Graywacke and trace argillite; trace white to orange vein.	Gray	B							X		Dry						ND		93		4				
SM68c	97.5	100	08/08/15			Graywacke and some argillite; trace white to orange vein.	Gray	B							X		Dry						ND		253		10				
SM68c	100	102.5	08/08/15			Graywacke and trace argillite; trace white to orange vein.	Gray	B									Dry						ND		447		5				
SM68c	102.5	105	08/08/15			Graywacke and few argillite and trace fine grained igneous dike. Few white to yellowish orange veins, possibly realgar and orpiment.	Gray	B						X	X	X		Dry					ND		4608		33				
SM68c	105	107.5	08/08/15			Graywacke with few white to yellowish orange veins, possibly realgar and orpiment.	Gray	B						X	X	X		Dry					ND		359		7				
SM68c	107.5	110	08/08/15			Argillite and few graywacke; trace white vein.	Gray	B							X		Dry						ND		128		6				
SM68c	110	112.5	08/08/15			Argillite and trace graywacke.	Dark Gray	B									Dry						ND		84		10				
SM68c	112.5	115	08/08/15			Graywacke and trace argillite; trace pyrite.	Gray	B									Dry						ND		221		5				
SM68c	115	117.5	08/08/15			Graywacke and some argillite; trace white to yellowish orange vein.	Gray	B							X		Dry						ND		88		ND				
SM68c	117.5	120	08/08/15			Argillite and some graywacke; trace white to yellowish orange vein.	Gray	B							X		Dry	MW40	119 - 139				ND		166		5				
SM68c	120	122	08/08/15			Graywacke.	Gray	B									Dry	MW40	119 - 139				ND		79		ND				
SM68c	122	125	08/08/15			Argillite and few graywacke; trace white to yellowish orange vein.	Gray	B							X		Dry	MW40	119 - 139				ND		71		5				
SM68c	125	127.5	08/08/15			Graywacke and trace argillite; trace white to yellowish orange vein.	Gray	B									Dry	MW40	119 - 139				ND		68		4				
SM68c	127.5	130	08/08/15			Graywacke and trace argillite; trace white to yellowish orange vein.	Gray	B							X		Dry	MW40	119 - 139				ND		84		4				
SM68c	130	132.5	08/08/15			Graywacke and trace argillite; few white to yellowish orange vein.	Gray	B							X		Dry	MW40	119 - 139				ND		118		ND				
SM68c	132.5	135	08/08/15			Argillite and few graywacke; trace white to yellowish orange vein.	Gray	B							X		Damp	MW40	119 - 139				ND		94		6				
SM68c	135	136	08/08/15			Graywacke and trace argillite; few white to yellowish orange vein.	Dark Gray	B							X		Wet	MW40	119 - 139				ND		71		ND				
SM68c	136	137	08/08/15			Graywacke and some argillite; few white to yellowish orange vein.	Dark Gray	B							X		Wet	MW40	119 - 139				ND		110		5				
SM68c	137	138	08/08/15			Graywacke with trace yellowish orange vein.	Dark Gray	B							X		Wet	MW40	119 - 139				ND		74		ND				
SM68c	138	139	08/08/15			Graywacke with trace yellowish orange vein.	Dark Gray	B									Wet	MW40	119 - 139				ND		79		4				
SM68c	139	140	08/08/15			Graywacke with trace yellowish orange vein.	Dark Gray	B								X		Wet					ND		81		4				
SM68c	140	141	08/08/15			Graywacke.	Dark Gray	B									Wet						ND		75		ND				
SM68c	141	142	08/08/15			Graywacke and trace argillite; trace white to yellowish orange vein.	Dark Gray	B									Wet						ND		87		ND				
SM68c	142	143	08/08/15			Argillite.	Dark Gray	B									Wet						ND		95		ND				
SM68c	143	144	08/08/15			Argillite and few graywacke.	Dark Gray	B									Wet						ND		126		4				
SM68c	144	145	08/08/15			Argillite and trace graywacke.	Black	B									Wet						ND		179		5				
SM68c	145	146	08/08/15			Argillite and trace graywacke; trace pyrite.	Black	B									Wet						ND		122		ND				
SM68c	146	147	08/08/15			Argillite and trace graywacke; trace white vein.	Black	B							X		Wet						ND		99		ND				
SM68c	147	148	08/08/15			Argillite and trace graywacke.	Dark Gray	B									Wet						ND		184		ND				
SM68c	148	149	08/08/15			Argillite and trace graywacke; few pyrite.	Dark Gray	B									Wet						ND		112		5				
SM68c	149	150	08/08/15			Argillite and few graywacke; trace white vein.	Dark Gray	B							X		Wet						ND		83		4				
SM68c	150	151	08/08/15			Argillite and few graywacke; trace white vein.	Dark Gray	B							X		Wet						ND		81		ND				
SM68c	151	152	08/08/15			Argillite and few graywacke; trace white vein.	Dark Gray	B							X		Wet						ND		80		ND				
SM68c	152	153	08/08/15			Graywacke and few argillite; trace white vein.	Dark Gray	B									Wet						ND		79		ND				
SM68c	153	154	08/08/15			Graywacke and trace argillite.	Dark Gray	B									Wet						ND		42		ND				
SM68c	154	155	08/08/15			Graywacke and trace argillite; trace white vein.	Dark Gray	B									Wet						ND		58		ND				
SM70a	0	1				Gravel 1 to 3 cm, angular siltstone with iron concretions and graywacke;		WR															50	13	334	6	10	1			
SM70a	1	2	07/18/15	70	GM	abundant iron staining.	Brown	WR									Moist			15SM70SB02	35	850	29	<LOD	40	467	8	13	2		
SM70a	2	3				Gravel 1 to 3 cm, angular siltstone with iron concretions and graywacke;		WR							X								<LOD	41	15	2	<LOD	3			
SM70a	3	4	07/18/15	80	ML	Sand very fine; very low plasticity; very soft; iron staining in thin bands; loess.	Grayish Brown	Loess									Damp						<LOD	35	14	2	<LOD	2			
SM70a	4	5						Loess															<LOD	36	35	2	<LOD	2			
SM70a	5	6	07/18/15	70	SM	Sand very fine; loess; buried topsoil layer (tundra) at 5 ft.	Yellowish Brown	Native									Dry						<LOD	38	7	2	<LOD	2			
SM70a	6	7						Loess															<LOD	59	<LOD	9	<LOD	5			
SM70a	7	8	07/18/15	100	ML	Sand very fine to medium; no plasticity; soft; fine layers with iron staining.	Grayish Brown	Loess									Damp						<LOD	36	8	2	<LOD	2			
SM70a	8	9						Loess															<LOD	36	7	2	<LOD	3			
SM70a	9	10	07/18/15	100	ML	As above, with very low plasticity. One lens of clean sand at 9 ft.	Grayish Brown	Loess									Damp						<LOD	42	11	2	<LOD	3			
SM70a	10	11						Loess															<LOD	50	<LOD	7	<LOD	3			
SM70a	11	12	07/18/15	100	SM	Sand very fine; thin gravel lens at 11.5 ft.; loess.	Gray	Loess									Moist						<LOD	47	<LOD	7	<LOD	3			
SM70a	12	13						L + KG															<LOD	36	21	2	3	1			
SM70a	13	14	07/18/15	70	GC	Gravel 1 to 4 cm, angular shale weathering to clay and weathered siltstone; iron staining, possible realgar, few vein material.	Brown	L + KG							X		Damp						<LOD	38	155	4	4	1			
SM70a	14	15						WB							X	X							<LOD	55	313	8	<LOD	5			
SM70a	15	16	07/18/15	100		Shale weathering to clay and weathered siltstone, bedding dip approximately 70 degrees, iron and staining and realgar/orpiment fractures.	Grayish Brown	WB							X	X	Dry						<LOD	44	437	8	<LOD	4			
SM70a	16	17						WB							X	X							<LOD	40	1074	14	<LOD	5			
SM70a	17	18	07/18/15	60		Shale weathering to clay with realgar and orpiment grains within shale.	Brown	WB							X	X	Dry						<LOD	42	234	5	4	1			
SM70a	18	20	07/18/15	60		Weathered shale with white clay vein fill, some iron staining; bedding dip approximately 80 degrees; some highly weathered siltstone 19.4 to 20 ft.	Dark Gray	WB							X		Dry						missing	missing	missing	missing	missing	missing			
SM70a	20	22	07/18/15	100		Weathered shale, argillite, and siltstone; abundant vein in shale; iron staining in siltstone.	Dark Gray	WB							X	X	Dry						missing	missing	missing	missing	missing	missing			

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		Date	Split Spoon Recovery (%)	USCS Symbol	Lithological Notes	Color	RDM Soil Type	Mineralogical/Lithological Observations								Moisture Observed in Soil Sample or Drill Cuttings	Monitoring Well ID	Monitoring Well Screened Interval (feet bgs)	Laboratory Soil Sample ID	Laboratory Analysis Antimony 6020A (mg/kg)	Laboratory Analysis Arsenic 6020A (mg/kg)	Laboratory Analysis Mercury 7471A (mg/kg)	XRF Antimony		XRF Arsenic		XRF Mercury	
	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material								Red Rind	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)
SM70a	22	24	07/18/15	90		Argillite and siltstone; abundant white vein and mixed orange and brown staining.	Dark Grayish Brown	WB						X		X							missing	missing	missing	missing	missing	missing	
SM70a	24	26	07/18/15	100		Graywacke with white vein and heavy orange and brown staining, possible cinnabar; shale with iron staining 25 to 26 ft.	Grayish Brown	WB						X	X		X						missing	missing	missing	missing	missing	missing	
SM70a	26	27	07/18/15			Graywacke and siltstone; orange and brown staining.	Brown	B						X								40		397			ND		
SM70a	27	28	07/18/15			Graywacke with iron staining.	Brown	B														48		427			ND		
SM70a	28	29	07/18/15			Graywacke with orange and brown staining.	Brown	B						X								37		529			ND		
SM70a	29	30	07/18/15			As above, with realgar and increasing orange staining.	Brown	B						X								44		1027			ND		
SM70a	30	31	07/18/15			Graywacke with heavy iron staining, occasionally dark orange-red.	Brown	B						X		X						ND		473			ND		
SM70a	31	32	07/18/15			Graywacke and siltstone with heavy iron staining, white clay.	Brown	B						X		X						ND		510			ND		
SM70a	32	33	07/18/15			Argillite with brownish orange fracture fill.	Brown	B						X								<LOD	38	235	5	5	1		
SM70a	33	34	07/18/15			Siltstone with brownish orange fracture fill.	Grayish Brown	B						X								<LOD	36	186	4	4	1		
SM70a	34	35	07/18/15			Siltstone with brownish orange fracture fill.	Grayish Brown	B						X								<LOD	36	105	3	4	1		
SM70a	35	36	07/18/15			Siltstone with brownish orange fracture fill, occasional clay.	Reddish Brown	B						X								<LOD	37	199	4	<LOD	3		
SM70a	36	37	07/18/15			Siltstone with brownish orange fracture fill.	Brown	B						X								<LOD	39	126	4	5	1		
SM70a	37	38	07/18/15			Thin shale weathering to clay with brownish orange vein.	Dark Gray	B								X						<LOD	38	151	4	5	1		
SM70a	38	39	07/18/15			Siltstone and trace medium sand grains; iron staining.	Gray	B						X								51	14	636	10	<LOD	4		
SM70a	39	40	07/18/15			Shale and siltstone weathering to fines, occasional medium sand grains; heavy orangish brown staining.	Dark Reddish Brown	B						X								108	15	967	14	<LOD	5		
SM70a	40	41	07/18/15			Weathered siltstone; orange brown staining.	Dark Reddish Brown	B						X								41	12	444	7	6	1		
SM70a	41	42	07/18/15			Argillite and siltstone; iron staining and orange brown fracture fill.	Dark Brown	B														<LOD	38	247	5	5	1		
SM70a	42	43	07/18/15			Graywacke; dark reddish brown orange brown fracture fill.	Brown	B						X								41	13	314	6	4	1		
SM70a	43	44	07/18/15			Graywacke with orange brown material and arsenic sulfide in matrix.	Brown	B						X								<LOD	37	249	5	4	1		
SM70a	44	45	07/18/15			As above, with trace realgar.	Brown	B						X								<LOD	38	299	6	5	1		
SM70a	45	46	07/18/15			Siltstone; orange brown fracture fill.	Dark Gray	B														<LOD	37	168	4	5	1		
SM70a	46	47	07/18/15			As above, with trace realgar.	Dark Gray	B						X								<LOD	38	197	5	5	1		
SM70a	47	48	07/18/15			As above, with heavier iron staining.	Dark Grayish Brown	B						X								38	12	291	5	<LOD	3		
SM70a	48	49	07/18/15			Graywacke, fine to medium grained.	Grayish Brown	B														41	12	222	5	5	1		
SM70a	49	50	07/18/15			Siltstone and graywacke.	Dark Grayish Brown	B														<LOD	37	225	5	5	1		
SM70a	50	51	07/18/15			Siltstone and graywacke; occasional iron staining.	Dark Grayish Brown	B														<LOD	37	206	5	5	1		
SM70a	51	52	07/18/15			Shale and graywacke.	Dark Grayish Brown	B														<LOD	38	123	4	4	1		
SM70a	52	53	07/18/15			Shale and siltstone; trace iron staining.	Dark Grayish Brown	B														<LOD	39	145	4	4	1		
SM70a	53	54	07/18/15			Shale and siltstone and trace graywacke, few iron staining.		B														<LOD	40	188	5	4	1		
SM70a	54	55	07/18/15			As above, with few graywacke.	Grayish Brown	B														<LOD	36	164	4	4	1		
SM70a	55	56	07/18/15			Argillite; occasional orange brown fracture fill.	Black	B														<LOD	42	82	3	<LOD	3		
SM70a	56	57	07/18/15			Argillite.	Black	B														<LOD	38	113	4	4	1		
SM70a	57	58	07/18/15			Argillite.	Black	B														<LOD	39	129	4	3	1		
SM70a	58	59	07/18/15			Siltstone; iron staining.	Dark Gray	B														<LOD	37	113	3	4	1		
SM70a	59	60	07/18/15			Argillite and siltstone; iron staining.	Black	B														<LOD	38	145	4	4	1		
SM70a	60	61	07/18/15			Argillite.	Very Dark Gray	B														<LOD	42	118	4	<LOD	3		
SM70a	61	62	07/18/15			Argillite.	Black	B														<LOD	39	108	4	4	1		
SM70a	62	63	07/18/15			Siltstone with iron staining.	Very Dark Gray	B														<LOD	36	100	3	4	1		
SM70a	63	64	07/18/15			Argillite.	Black	B														<LOD	39	77	3	5	1		
SM70a	64	65	07/18/15			Siltstone and occasional graywacke; occasional iron staining.	Dark Gray	B														<LOD	39	79	3	4	1		
SM70a	65	66	07/18/15			Graywacke and siltstone; light iron staining.	Gray	B														<LOD	38	109	3	5	1		
SM70a	66	67	07/18/15			Graywacke.	Gray	B														<LOD	37	69	3	<LOD	3		
SM70a	67	68	07/18/15			Graywacke and siltstone.	Gray	B														<LOD	37	70	3	4	1		
SM70a	68	69	07/18/15			Siltstone and argillite; trace iron staining.	Dark Gray	B														<LOD	37	58	3	<LOD	3		
SM70a	69	70	07/18/15			Siltstone; trace iron staining.	Dark Gray	B														<LOD	39	45	2	4	1		

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Soil Boring ID	Sample Depth Interval		Date	Split Spoon Recovery (%)	USCS Symbol	Lithological Notes	Color	RDM Soil Type	Mineralogical/Lithological Observations										Moisture Observed in Soil Sample or Drill Cuttings	Monitoring Well ID	Monitoring Well Screened Interval (feet bgs)	Laboratory Soil Sample ID	Laboratory Analysis Antimony 6020A (mg/kg)	Laboratory Analysis Arsenic 6020A (mg/kg)	Laboratory Analysis Mercury 7471A (mg/kg)	XRF Antimony		XRF Arsenic		XRF Mercury	
	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)								Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
SM70a	70	71	07/18/15			Graywacke.	Gray	B														<LOD	40	67	3	<LOD	3				
SM70a	71	72	07/18/15			Graywacke and argillite.	Gray	B														<LOD	37	106	3	5	1				
SM70a	72	73	07/18/15			Argillite.	Black	B														65	13	91	3	7	1				
SM70a	73	74	07/18/15			Argillite and siltstone.	Black	B														<LOD	39	99	3	4	1				
SM70a	74	75	07/18/15			Siltstone; trace iron staining.	Very Dark Gray	B														<LOD	38	72	3	5	1				
SM70a	75	76	07/18/15			Siltstone; trace iron staining.	Very Dark Gray	B														<LOD	39	110	4	4	1				
SM70a	76	77	07/18/15			Graywacke; trace iron staining.	Gray	B														<LOD	38	190	4	4	1				
SM70a	77	78	07/18/15			Graywacke; trace iron staining.	Gray	B														<LOD	38	108	3	3	1				
SM70a	78	79	07/18/15			Graywacke; large drilling cuttings.	Gray	B														<LOD	37	76	3	3	1				
SM70a	79	80	07/18/15			Graywacke; large drilling cuttings.	Gray	B														<LOD	38	73	3	3	1				
SM70a	80	81	07/18/15			Graywacke; slow drill rate.	Gray	B														<LOD	39	80	3	5	1				
SM70a	81	82	07/18/15			Graywacke; slow drill rate; occasional iron staining on fracture surfaces.	Gray	B														<LOD	38	181	4	3	1				
SM70a	82	83	07/18/15			Graywacke; slow drill rate; occasional iron staining on fracture surfaces.	Gray	B														63	13	372	6	4	1				
SM70a	83	84	07/18/15			Graywacke; slow drill rate; occasional iron staining on fracture surfaces.	Gray	B														<LOD	36	117	3	<LOD	3				
SM70a	84	85	07/18/15			Graywacke; increased orange brown staining.	Gray	B														82	13	385	7	4	1				
SM70a	85	86	07/18/15			Siltstone with orange brown staining and thin fracture fill.	Very Dark Gray	B														66	12	399	7	9	1				
SM70a	86	87	07/18/15			Siltstone; occasional iron staining and one clast with realgar.		B														<LOD	38	475	8	8	1				
SM70a	87	88	07/18/15			Argillite.	Black	B														<LOD	39	419	7	14	2				
SM70a	88	89	07/18/15			Siltstone with 1 mm thick quartz and orange brown vein.	Dark Gray	B														<LOD	40	2170	25	57	3				
SM70a	89	90	07/18/15			Siltstone and few graywacke; vein as above with thickness increasing to 1.5mm; cinnabar.	Dark Gray	B														51	14	3831	41	1531	19				
SM70a	90	91	07/18/15			Argillite and siltstone; abundant vein containing cinnabar, orpiment, and some realgar.	Black	B														67	13	2351	24	300	6				
SM70a	91	92	07/18/15			Siltstone with 1 mm orange brown vein fill.	Black	B														42	13	645	10	231	5				
SM70a	92	93	07/18/15			Argillite and siltstone with 1 mm orange brown vein fill.	Black	B														70	13	279	6	33	2				
SM70a	93	94	07/18/15			Siltstone with few realgar in veins.	Very Dark Gray	B														<LOD	43	162	5	12	2				
SM70a	94	95	07/18/15			As above, with fewer veins.	Dark Gray	B														52	14	195	5	12	1				
SM70a	95	96	07/18/15			Siltstone with few orange brown vein fill.	Black	B														<LOD	40	416	7	12	1				
SM70b	0	30	07/24/15					As above																							
SM70b	30	31	07/24/15			Graywacke with iron staining and trace realgar; driller noted drilling entering fractured rock.	Brown	B														<LOD	41	350	7	4	1				
SM70b	31	32	07/24/15			Graywacke with iron staining and trace realgar.	Brown	B														<LOD	38	421	7	5	1				
SM70b	32	33	07/24/15			Shale.	Black	B														<LOD	36	132	4	9	1				
SM70b	33	34	07/24/15			Siltstone with some iron staining.	Very Dark Gray	B														<LOD	37	179	4	6	1				
SM70b	34	35	07/24/15			Siltstone and shale with trace iron staining .	Very Dark Gray	B														<LOD	40	90	3	4	1				
SM70b	35	36	07/24/15			Siltstone with iron staining.	Very Dark Gray	B														<LOD	37	151	4	5	1				
SM70b	36	37	07/24/15			Siltstone with some iron staining and trace realgar.	Very Dark Gray	B														<LOD	39	132	4	4	1				
SM70b	37	38	07/24/15			Siltstone with some iron staining.	Very Dark Gray	B														<LOD	38	208	5	4	1				
SM70b	38	39	07/24/15			Shale. Driller noted drilling leaving fractured rock.	Dark Grayish Brown	B														<LOD	37	59	3	6	1				
SM70b	39	40	07/24/15			Shale and few siltstone, occasional iron staining.	Dark Grayish Brown	B														<LOD	38	66	3	7	1				
SM70b	40	41	07/24/15			Shale and siltstone with trace iron staining; driller noted fractured rock at 40 ft. and below.	Dark Brown	B														<LOD	37	140	4	5	1				
SM70b	41	42	07/24/15			Shale and siltstone.	Dark Brown	B														<LOD	39	162	4	5	1				
SM70b	42	43	07/24/15			Shale with trace iron staining.	Dark Grayish Brown	B														<LOD	35	76	3	4	1				
SM70b	43	44	07/24/15			Shale with iron staining.	Dark Grayish Brown	B														<LOD	38	69	3	5	1				
SM70b	44	45	07/24/15			Siltstone with iron staining.	Dark Grayish Brown	B														<LOD	37	138	4	5	1				
SM70b	45	46	07/24/15			Graywacke with trace iron staining.	Grayish Brown	B														<LOD	39	72	3	<LOD	3				

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	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material								Red Rind	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)
SM70b	46	47	07/24/15			Siltstone with iron staining.	Dark Grayish Brown	B								Damp						<LOD	37	80	3	5	1		
SM70b	47	48	07/24/15			Siltstone with abundant iron staining.	Dark Grayish Brown	B								Damp							<LOD	38	71	3	5	1	
SM70b	48	49	07/24/15			Siltstone with iron staining.	Dark Grayish Brown	B								Damp							<LOD	35	102	3	3	1	
SM70b	49	50	07/24/15			Graywacke with some iron staining.	Dark Grayish Brown	B								Damp							<LOD	36	297	5	4	1	
SM70b	50	51	07/24/15			Graywacke and shale; iron staining.	Dark Grayish Brown	B								Damp							<LOD	38	149	4	8	1	
SM70b	51	52	07/24/15			Shale and siltstone; iron staining.	Dark Grayish Brown	B								Moist							<LOD	36	72	3	5	1	
SM70b	52	53	07/24/15			Siltstone.	Black	B								Damp							<LOD	38	81	3	5	1	
SM70b	53	54	07/24/15			siltstone with iron stain.	Black	B								Damp							<LOD	37	81	3	4	1	
SM70b	54	55	07/24/15			Siltstone and trace white vein material; trace iron staining.	Black	B								Damp							<LOD	41	92	3	5	1	
SM70b	55	56	07/24/15			Siltstone with iron and white clay fracture fill; 1 mm white vein in few fractures.	Dark Grayish Brown	B								Damp							<LOD	40	84	3	4	1	
SM70b	56	57	07/24/15			Argillite and siltstone with 1 mm yellow clay fracture fill; trace fine-grained, very light gray, igneous dike. Driller noted decreasing fractures.	Very Dark Gray	B						X		Damp							<LOD	36	139	4	6	1	
SM70b	57	58	07/24/15			Graywacke with trace iron staining.; driller noted end of fractured zone.	Gray	B								Damp							<LOD	39	121	4	6	1	
SM70b	58	59	07/24/15			Graywacke with occasional iron staining.	Grayish Brown	B								Damp							<LOD	41	414	7	4	1	
SM70b	59	60	07/24/15			Graywacke with trace vein.	Gray	B								Dry							<LOD	41	266	6	<LOD	4	
SM70b	60	61	07/24/15			Graywacke with trace vein.	Light Brownish Gray	B						X		Dry							<LOD	42	120	4	4	1	
SM70b	61	62	07/24/15			Graywacke and argillite; trace iron staining.	Gray	B								Dry							<LOD	41	128	4	5	1	
SM70b	62	63	07/24/15			Graywacke with occasional quartz vein and argillite.	Grayish Brown	B								Damp							<LOD	39	123	4	5	1	
SM70b	63	64	07/24/15			Graywacke.	Gray	B								Dry							<LOD	39	43	3	5	1	
SM70b	64	65	07/24/15			Graywacke.	Gray	B								Dry							<LOD	42	39	2	6	1	
SM70b	65	66	07/24/15			Graywacke with trace, very small stibnite grains within graywacke; iron staining on fracture surface.	Gray	B			X					Dry							<LOD	40	95	3	<LOD	3	
SM70b	66	67	07/24/15			Graywacke and argillite; driller noted fractured rock.	Dark Gray	B								Damp							<LOD	37	93	3	5	1	
SM70b	67	68	07/24/15			Argillite; trace iron staining.	Black	B								Damp							<LOD	45	68	3	4	1	
SM70b	68	69	07/24/15			Argillite; trace iron staining.	Black	B								Damp							<LOD	38	76	3	4	1	
SM70b	69	70	07/24/15			Argillite; trace iron staining.	Black	B								Dry							<LOD	40	77	3	5	1	
SM70b	70	71	07/24/15			Argillite; trace iron staining.	Black	B								Moist							<LOD	42	112	4	4	1	
SM70b	71	72	07/24/15			Argillite and siltstone.	Black	B								Moist							<LOD	39	77	3	5	1	
SM70b	72	73	07/24/15			Argillite and siltstone; trace iron staining.	Black	B								Moist							<LOD	38	91	3	<LOD	3	
SM70b	73	74	07/24/15			Argillite; trace white fracture coating.	Black	B								Damp							<LOD	40	74	3	3	1	
SM70b	74	75	07/24/15			Argillite.	Black	B								Moist							<LOD	41	98	4	5	1	
SM70b	75	76	07/24/15			Argillite.	Black	B								Moist							<LOD	41	247	6	4	1	
SM70b	76	77	07/24/15			Argillite with mix of iron and white fracture coating.	Black	B								Moist							<LOD	43	82	4	<LOD	3	
SM70b	77	78	07/24/15			Argillite transitioning to siltstone.	Black	B								Moist							<LOD	40	96	3	4	1	
SM70b	78	79	07/24/15			Argillite transitioning to siltstone; trace iron staining.	Black	B								Damp							<LOD	39	109	4	5	1	
SM70b	79	80	07/24/15			Siltstone and graywacke with 1 mm white clay fracture fill; driller noted still in fractured rock.	Dark Gray	B						X		Damp							<LOD	39	153	4	<LOD	3	
SM70b	80	81	07/24/15			Argillite and graywacke; few thin white veins.	Dark Gray	B						X		Wet							<LOD	48	117	4	5	1	
SM70b	81	82	07/24/15			Silty shale; shale is friable; trace white vein.	Black	B								Saturated							<LOD	44	85	4	<LOD	3	
SM70b	82	83	07/24/15			Silty shale; shale is friable; trace white vein.	Black	B							X	Saturated							<LOD	47	102	4	5	1	
SM70b	83	84	07/24/15			Silty shale; shale is friable; trace white vein.	Black	B							X	Saturated							<LOD	45	87	4	6	1	
SM70b	84	85	07/24/15			Friable shale and argillite.	Gray	B								Damp							<LOD	50	131	5	<LOD	4	
SM70b	85	86	07/24/15			Friable shale and argillite; trace vein material with black fragments.	Gray	B							X	Damp							<LOD	49	134	5	6	1	
SM70b	86	87	07/24/15			Friable shale and argillite; few vein material with black fragments.	Gray	B							X	Damp							<LOD	52	160	5	<LOD	4	
SM70b	87	88	07/24/15			Argillite and graywacke; trace white vein material; trace green orange fragments.	Light Gray	B							X	Dry							<LOD	48	167	5	<LOD	4	
SM70b	88	89	07/24/15			Argillite and graywacke; trace white vein material; trace green orange fragments.	Light Gray	B							X	Dry							<LOD	48	96	4	<LOD	4	
SM70b	89	90	07/24/15			Graywacke with trace white vein material; orange brown staining.	Light Gray	B								Dry							<LOD	47	105	4	5	1	
SM70b	90	91	07/24/15			Graywacke with trace white vein material; orange brown staining.	Yellowish Brown	B								Dry							<LOD	47	163	5	6	1	
SM70b	91	92	07/24/15			Graywacke with trace white vein material; orange brown staining; one crystal of stibnite.		B				X			X								<LOD	50	64	3	<LOD	3	

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		Date	Split Spoon Recovery (%)	USCS Symbol	Lithological Notes	Color	RDM Soil Type	Mineralogical/Lithological Observations										Moisture Observed in Soil Sample or Drill Cuttings	Monitoring Well ID	Monitoring Well Screened Interval (feet bgs)	Laboratory Soil Sample ID	Laboratory Analysis Antimony 6020A (mg/kg)	Laboratory Analysis Arsenic 6020A (mg/kg)	Laboratory Analysis Mercury 7471A (mg/kg)	XRF Antimony		XRF Arsenic		XRF Mercury	
	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)								Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
SM70b	92	93	07/24/15			Graywacke and some argillite; trace yellowish vein material; some green and orange colored staining.	Gray	B								X		Damp						<LOD	46	75	4	7	1		
SM70b	93	94	07/24/15			Graywacke and some argillite; trace yellowish vein material; some green and orange staining.	Gray	B								X		Dry						<LOD	50	225	6	6	2		
SM70b	94	95	07/24/15			Graywacke and argillite; trace thin white vein; trace green and orange fragments; two crystals of an unidentified metallic mineral noted, gold in color with a pentagonal crystal faces.	Gray	B								X		Dry						<LOD	46	317	7	6	2		
SM70b	95	96	07/24/15			Graywacke and argillite; trace thin white vein; trace green and orange fragments.	Gray	B								X		Dry						<LOD	52	179	6	<LOD	4		
SM70b	96	97	07/24/15			Graywacke and argillite; trace thin white vein; trace green and orange fragments.	Grayish Brown	B								X		Dry						<LOD	55	139	5	<LOD	4		
SM70b	97	98	07/24/15			Graywacke and argillite; trace thin white vein; trace green and orange fragments.	Dark Reddish Brown	B								X		Damp						<LOD	49	105	4	5	1		
SM70b	98	99	07/24/15			Graywacke and argillite; trace thin white vein; trace green and orange fragments.	Dark Grayish Brown	B								X		Moist						<LOD	44	112	4	<LOD	4		
SM70b	99	100	07/24/15			Graywacke and few argillite; trace thin white vein; trace green and orange fragments.	Dark Brown	B								X		Wet						<LOD	49	96	4	<LOD	4		
SM70b	100	101	07/24/15			Graywacke and trace argillite; trace vein, trace iron staining.	Dark Gray	B								X		Wet						<LOD	47	111	4	<LOD	4		
SM70b	101	102	07/24/15			Graywacke and trace argillite; trace vein, trace iron staining.	Dark Gray	B								X		Wet						<LOD	50	109	4	<LOD	4		
SM70b	102	103	07/24/15			Argillite and graywacke, trace white vein, trace iron staining.	Dark Gray	B								X		Wet						<LOD	47	115	4	6	1		
SM70b	103	104	07/24/15			Argillite and graywacke, trace white vein, trace iron staining.	Dark Gray	B								X		Wet						<LOD	49	113	4	5	1		
SM70b	104	105	07/24/15			Argillite and graywacke, trace white vein, trace iron staining.	Dark Gray	B								X		Wet						<LOD	50	56	3	<LOD	3		
SM70b	105	106	07/24/15			Argillite and graywacke, trace iron staining.	Black	B										Wet						<LOD	51	122	5	6	1		
SM70b	106	107	07/24/15			Argillite and graywacke, trace yellowish white vein material, trace iron staining.	Dark Brownish Gray	B								X		Wet						<LOD	49	110	4	<LOD	4		
SM70b	107	108	07/24/15			Argillite and graywacke, trace yellowish white vein material, few iron staining.	Dark Brownish Gray	B								X		Wet						<LOD	48	151	5	5	1		
SM70b	108	109	07/24/15			Argillite and graywacke, trace yellowish white vein material, few iron staining.	Dark Gray	B								X		Wet						<LOD	47	139	5	<LOD	4		
SM70b	109	110	07/24/15			Argillite and some shale and few graywacke; trace white vein material; fragments of pyrite.	Black	B								X		Wet						<LOD	47	98	4	<LOD	4		
SM70b	110	111	07/24/15			Graywacke and some argillite; trace white to yellowish white veins; trace iron staining.	Dark Gray	B								X		Moist						<LOD	46	124	4	<LOD	4		
SM70b	111	112	07/24/15			Graywacke and some argillite; trace white to yellowish white veins; trace iron staining; one 2 mm gold colored mineral observed, possibly pyrite.	Dark Gray	B								X		Wet						<LOD	50	90	4	<LOD	4		
SM70b	112	113	07/24/15			Graywacke and some argillite; trace white to yellowish white veins; trace iron staining.	Dark Gray	B								X		Wet						<LOD	48	112	4	<LOD	3		
SM70b	113	114	07/24/15			Graywacke and trace argillite; trace iron staining.	Gray	B										Wet						<LOD	47	96	4	<LOD	4		
SM70b	114	115	07/24/15			Argillite and few graywacke; trace iron staining.	Dark Gray	B										Wet						<LOD	47	94	4	<LOD	3		
SM70b	115	116	07/24/15			Graywacke and few argillite; trace iron staining.	Dark Gray	B								X		Wet						<LOD	47	78	4	<LOD	4		
SM70b	116	117	07/24/15			Graywacke and few argillite; trace iron staining.	Gray	B								X		Wet						<LOD	46	90	4	5	1		
SM70b	117	118	07/24/15			Argillite and few graywacke; trace iron staining.	Black	B										Wet						<LOD	50	115	5	<LOD	4		
SM70b	118	119	07/24/15			Argillite and few graywacke; trace vein; trace iron staining.	Black	B								X		Wet						<LOD	47	331	7	5	1		
SM70b	119	120	07/24/15			Graywacke and few argillite; trace iron staining.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	45	346	7	<LOD	4		
SM70b	120	121	07/24/15			Graywacke and few argillite; trace iron staining.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	43	480	9	4	1		
SM70b	121	122	07/24/15			Graywacke and few argillite; trace iron staining.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	49	302	7	6	2		
SM70b	122	123	07/24/15			Graywacke and few argillite; few white vein; few iron staining.	Dark Gray	B								X		Wet	MW42	119 - 139				84	16	1312	19	8	2		
SM70b	123	124	07/24/15			Graywacke with few white vein; few iron staining; trace argillite.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	43	918	13	9	2		
SM70b	124	125	07/24/15			Graywacke with few white vein; few iron staining; trace argillite; one 1 mm fragment of stibnite within quartz vein.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	47	783	13	10	2		
SM70b	125	126	07/24/15			Graywacke and trace argillite; trace iron staining; trace white vein.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	48	718	12	8	2		
SM70b	126	127	07/24/15			Graywacke and trace argillite; trace iron staining; trace white vein.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	46	475	9	5	1		
SM70b	127	128	07/24/15			Graywacke and trace argillite; trace iron staining; trace white vein; trace orpiment.	Dark Gray	B									X		Wet	MW42	119 - 139				<LOD	45	1713	22	8	2	
SM70b	128	129	07/24/15			Graywacke and trace argillite; trace iron staining; trace white vein; trace orpiment.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	47	828	13	11	2		
SM70b	129	130	07/24/15			Graywacke and trace argillite; trace iron staining; trace to few white vein.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	46	1981	26	10	2		
SM70b	130	131	07/24/15			Graywacke; trace iron staining; trace to few white vein.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	48	2223	30	12	3		
SM70b	131	132	07/24/15			Argillite and trace to few graywacke; trace iron staining; trace to few white vein.		B								X			MW42	119 - 139				<LOD	48	793	13	12	2		
SM70b	132	133	07/24/15			Argillite and trace to few graywacke; trace iron staining; trace to few white vein.	Black	B										Wet	MW42	119 - 139				<LOD	47	727	12	39	3		
SM70b	133	134	07/24/15			Graywacke and some argillite; trace white and yellowish white vein; trace iron staining.	Dark Gray	B								X		Wet	MW42	119 - 139				<LOD	62	3133	51	<LOD	11		
SM70b	134	135	07/24/15			Argillite and some graywacke; trace white and yellowish white vein; trace iron staining; several fragments of pyrite.	Dark Gray	B										Wet	MW42	119 - 139				<LOD	52	3458	48	16	3		

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	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)								Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
SM70b	135	136	07/24/15			Argillite and some graywacke; trace white and yellowish white vein; trace iron staining; one fragment of pyrite.	Dark Gray	B								X		Wet	MW42	119 - 139					<LOD	48	475	9	11	2	
SM70b	136	137	07/24/15			Argillite and some graywacke; trace white and yellowish white vein; trace iron staining.	Black	B								X		Wet	MW42	119 - 139					<LOD	47	370	8	7	2	
SM70b	137	138	07/24/15			Argillite and some graywacke; trace white and yellowish white vein; trace iron staining.	Dark Gray	B								X		Wet	MW42	119 - 139					<LOD	46	371	8	8	2	
SM70b	138	139	07/24/15			Argillite and graywacke; trace white and yellowish white vein; trace iron staining; several fragments of pyrite.	Dark Gray	B								X		Wet	MW42	119 - 139					<LOD	45	555	10	9	2	
SM70b	139	140	07/24/15			Argillite and graywacke; trace white and yellowish white vein; trace iron staining; several fragments of pyrite.	Dark Gray	B								X		Wet													
SM71a	0	1						L + KG																	<LOD	38	197	4	5	1	
SM71a	1	2	07/21/15	80	GM	Gravel 1 to 4 cm, angular siltstone; one clast unidentified rock with orange stain; white clay.	Brown	L + KG									X	Moist							<LOD	41	253	6	6	1	
SM71a	2	3						L + KG																	<LOD	44	208	5	7	1	
SM71a	3	4	07/21/15	90	GM	Gravel 1 to 4 cm, angular siltstone; white clay; medium to fine poorly graded sand 3.6 to 4.0 ft.	Brown	L + KG										Moist							<LOD	39	11	2	<LOD	3	
SM71a	4	5						Loess																	<LOD	35	11	2	<LOD	2	
SM71a	5	6	07/21/15	70	SP-SM	Sand medium to fine.	Grayish Brown	Loess										Moist							<LOD	34	11	2	<LOD	2	
SM71a	6	7						L+ KG																	<LOD	36	23	2	<LOD	2	
SM71a	7	8	07/21/15	70	GM	Gravel 1 to 4 cm, angular siltstone and moderately hard graywacke; one 1 cm clast of vein material with trace realgar; occasional iron staining.	Brown	L+ KG									X	Moist							<LOD	44	62	3	<LOD	3	
SM71a	8	9						L+ KG																	<LOD	36	49	2	<LOD	3	
SM71a	9	10	07/21/15	95	GM	Gravel 1 to 4 cm, angular, graywacke, some siltstone; sand is fine; occasional orangish iron staining.	Grayish Brown	L+ KG										Moist							<LOD	40	153	4	<LOD	3	
SM71a	10	12	07/21/15	50	GP	Gravel weathered graywacke with occasional iron staining, on small area of iron staining showed trace realgar; sand is fine to medium.	Grayish Brown	L+ KG									X	Damp			15SM71SB12, duplicate 15SM200SB02	120	510	18	93	13	164	4	5	1	
SM71a	12	13				As above, transitioning to weathered graywacke.		WB																	<LOD	36	92	3	10	1	
SM71a	13	14	07/21/15	60	GP	Weathered shale with white clay vein, realgar, and orpiment.	Grayish Brown	WB										Dry							<LOD	65	123	7	<LOD	5	
SM71a	14	15						WB																	<LOD	39	114	3	8	1	
SM71a	15	16	07/21/15	80		Weathered shale with very heavy iron staining, occasional realgar, white clay; apparent bedding dip approximately 70 degrees.	Dark Grayish Brown	WB									X	Damp							<LOD	45	130	5	6	1	
SM71a	16	17						WB																	<LOD	49	109	4	5	1	
SM71a	17	18	07/21/15	80		Weathered shale with very heavy iron staining, occasional realgar, white clay; apparent bedding dip approximately 70 degrees.	Dark Grayish Brown	WB									X	Dry							<LOD	38	95	3	4	1	
SM71a	18	19						WB																	<LOD	38	137	4	4	1	
SM71a	19	20	07/21/15	80		Weathered graywacke; iron staining; trace realgar.	Grayish Brown	WB									X	Damp							<LOD	37	93	3	5	1	
SM71a	20	21				Weathered shale, bedding dip approximately 60 degrees.		WB																	<LOD	37	159	4	7	1	
SM71a	21	22	07/21/15	100		Weathered siltstone; heavy iron staining and a dark brownish red vitreous coating; shale, with white clay fill along bedding planes, iron staining, and trace realgar.	Dark Grayish Brown	WB									X	Dry							<LOD	41	236	6	8	1	
SM71a	22	23						WB																	<LOD	42	112	4	4	1	
SM71a	23	24	07/21/15	90		Shale and siltstone; heavily veined at 23 ft. with white clay and orange staining; bedding dip approximately 60 degrees.	Dark Grayish Brown	WB									X	Dry							<LOD	37	76	3	4	1	
SM71a	24	25	07/21/15			Siltstone and some graywacke; trace white clay and realgar.	Brown	B									X	Damp							<LOD	37	81	3	5	1	
SM71a	25	26	07/21/15			Weathered siltstone with 1 mm thick zone of yellow to dark reddish brown iron staining.	Brown	B									X	Damp							<LOD	37	104	3	5	1	
SM71a	26	27	07/21/15			Graywacke and weathered shale; trace orange brown staining.	Brown	B									X	Damp							<LOD	39	123	4	5	1	
SM71a	27	28	07/21/15			Shale and siltstone with iron staining.	Dark Grayish Brown	B									X	Damp							42	13	121	4	5	1	
SM71a	28	29	07/21/15			Siltstone and graywacke with orange iron staining in matrix.	Dark Grayish Brown	B										Damp							<LOD	36	118	3	4	1	
SM71a	29	30	07/21/15			Siltstone and graywacke with orange iron staining in matrix.	Brown	B										Damp							<LOD	36	149	4	5	1	
SM71a	30	31	07/21/15			Graywacke with orange brown staining in matrix, abundant white clay fracture fill.	Grayish Brown	B									X	Damp							<LOD	37	212	5	5	1	
SM71a	31	32	07/21/15			Shale with iron staining.	Brown	B									X	Damp							<LOD	38	189	4	5	1	
SM71a	32	33	07/21/15			Shale and siltstone with white clay and orange brown fracture fill.	Dark Grayish Brown	B									X	Damp							<LOD	37	247	5	6	1	
SM71a	33	34	07/21/15			Siltstone with iron staining.	Dark Grayish Brown	B									X	Damp							<LOD	39	217	5	4	1	
SM71a	34	35	07/21/15			Siltstone and trace graywacke, with orange brown fracture fill; driller reported fractured rock.	Brown	B									X	Damp							<LOD	38	183	4	3	1	
SM71a	35	36	07/21/15			Graywacke with some iron staining; driller reported fractured rock.	Grayish Brown	B										Damp							<LOD	37	142	4	4	1	

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	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)								Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
SM71a	36	37	07/21/15			Siltstone with notable presence of white clay fracture filling with iron staining; driller reported fractured rock.	Dark Brown	B														<LOD	35	86	3	5	1				
SM71a	37	38	07/21/15			Shale with 1.5 mm white clay and orange brown fracture fill; driller reported fractured rock.	Very Dark Grayish Brown	B														<LOD	38	117	4	4	1				
SM71a	38	39	07/21/15			Siltstone with 1.5 mm white clay and orange brown fracture fill; driller reported fractured rock.	Dark Brown	B														<LOD	38	145	4	5	1				
SM71a	39	40	07/21/15			Graywacke and shale; iron staining in matrix of graywacke; trace white clay with realgar; driller reported fractured bedrock.	Dark Grayish Brown	B						X								<LOD	40	400	7	<LOD	4				
SM71a	40	41	07/21/15			Graywacke and some shale; iron /arsenic staining; driller reported fractured rock.	Dark Brown	B							X							<LOD	35	306	5	4	1				
SM71a	41	42	07/21/15			Graywacke with orange brown staining; driller reported solid rock drilling.	Dark Grayish Brown	B							X							<LOD	36	170	4	4	1				
SM71a	42	43	07/21/15			Graywacke with white clay fracture fill; iron staining.	Dark Grayish Brown	B							X							<LOD	36	144	4	4	1				
SM71a	43	44	07/21/15			Graywacke with white clay fracture fill; iron staining.	Dark Grayish Brown	B														<LOD	36	99	3	6	1				
SM71a	44	45	07/21/15			Argillite with orange brown fracture fill; driller reported fractured rock.	Very Dark Gray	B							X							<LOD	37	117	3	5	1				
SM71a	45	46	07/21/15			Siltstone and graywacke, iron staining, trace white clay fracture fill; driller noted fractured rock.	Dark Grayish Brown	B														<LOD	37	125	4	3	1				
SM71a	46	47	07/21/15			Graywacke with iron staining; driller reported return to solid rock drilling.	Dark Gray	B														<LOD	37	154	4	3	1				
SM71a	47	48	07/21/15			Graywacke with iron staining.	Dark Grayish Brown	B														<LOD	36	115	3	4	1				
SM71a	48	49	07/21/15			Graywacke with trace orange brown staining.	Dark Grayish Brown	B														<LOD	36	135	4	4	1				
SM71a	49	50	07/21/15			Siltstone and graywacke with iron staining.	Dark Grayish Brown	B														<LOD	38	114	4	7	1				
SM71a	50	51	07/21/15			Siltstone with iron staining driller noted fractured rock.	Very Dark Gray	B														<LOD	36	109	3	5	1				
SM71a	51	52	07/21/15			Siltstone and shale; driller noted fractured rock.	Very Dark Gray	B														<LOD	36	88	3	5	1				
SM71a	52	53	07/21/15			Shale and argillite.	Black	B														<LOD	38	88	3	5	1				
SM71a	53	54	07/21/15			Shale and siltstone with occasional iron staining and fracture fill; driller noted rock becoming more solid.	Very Dark Gray	B														<LOD	35	97	3	5	1				
SM71a	54	55	07/21/15			Argillite with orange brown staining; driller noted fractured rock.	Black	B														<LOD	36	82	3	5	1				
SM71a	55	56	07/21/15			Argillite with orange brown staining; driller noted fractured rock.	Black	B														<LOD	36	101	3	6	1				
SM71a	56	57	07/21/15			Graywacke with occasional iron staining; driller noted fractured rock.	Dark Grayish Brown	B														<LOD	36	48	2	6	1				
SM71a	57	58	07/21/15			Graywacke with iron staining, trace igneous dike; driller noted fractured rock.	Dark Gray	B														<LOD	35	46	2	4	1				
SM71a	58	59	07/21/15			Siltstone with trace iron staining; driller noted solid rock.	Very Dark Gray	B														<LOD	38	94	3	6	1				
SM71a	59	60	07/21/15			Graywacke with trace realgar, trace igneous dike; driller noted solid rock drilling.	Dark Grayish Brown	B						X								<LOD	37	72	3	5	1				
SM71a	60	61	07/21/15			Graywacke with trace quartz, trace igneous dike.	Dark Gray	B								X						<LOD	37	62	3	3	1				
SM71a	61	62	07/21/15			Graywacke with trace quartz, trace igneous dike.	Dark Gray	B								X						<LOD	36	52	2	5	1				
SM71a	62	63	07/21/15			Graywacke and siltstone, trace small stibnite crystals.	Very Dark Gray	B				X										<LOD	36	92	3	7	1				
SM71a	63	64	07/21/15			Siltstone.	Black	B														<LOD	38	90	3	4	1				
SM71a	64	65	07/21/15			Siltstone with iron staining.	Black	B														<LOD	40	96	3	<LOD	3				
SM71a	65	66	07/21/15			Siltstone.	Black	B														<LOD	39	104	3	5	1				
SM71a	66	67	07/21/15			Graywacke with some iron staining.	Dark Gray	B														<LOD	36	117	3	3	1				
SM71a	67	68	07/21/15			Siltstone with occasional iron staining.	Very Dark Gray	B														<LOD	38	71	3	3	1				
SM71a	68	69	07/21/15			Siltstone with occasional iron staining.	Very Dark Gray	B														<LOD	37	82	3	3	1				
SM71a	69	70	07/21/15			Siltstone with occasional iron staining.	Very Dark Gray	B														<LOD	37	63	3	5	1				
SM71a	70	71	07/21/15			Siltstone grading to graywacke, trace iron staining.	Very Dark Gray	B														<LOD	37	53	2	<LOD	3				
SM71a	71	72	07/21/15			Very fine grained graywacke; trace vein material.	Dark Gray	B							X							<LOD	39	54	3	3	1				
SM71a	72	73	07/21/15			Very fine grained graywacke; trace vein material.	Dark Gray	B							X							<LOD	37	69	3	<LOD	3				
SM71a	73	74	07/21/15			Very fine grained graywacke; trace vein material.	Dark Gray	B							X							<LOD	37	68	3	<LOD	3				
SM71a	74	75	07/21/15			Siltstone with trace vein material, trace igneous dike; driller noted fractured rock beginning at 74 ft.	Black	B							X							<LOD	38	113	4	6	1				
SM71a	75	76	07/21/15			Siltstone with trace vein material, trace igneous dike.	Black	B							X							<LOD	38	99	3	8	1				

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		Date	Split Spoon Recovery (%)	USCS Symbol	Lithological Notes	Color	RDM Soil Type	Mineralogical/Lithological Observations										Moisture Observed in Soil Sample or Drill Cuttings	Monitoring Well ID	Monitoring Well Screened Interval (feet bgs)	Laboratory Soil Sample ID	Laboratory Analysis Antimony 6020A (mg/kg)	Laboratory Analysis Arsenic 6020A (mg/kg)	Laboratory Analysis Mercury 7471A (mg/kg)	XRF Antimony		XRF Arsenic		XRF Mercury	
	Top (feet bgs)	Bottom (feet bgs)							Red Porous Rock	Vitrious "Slag"	Stibnite	Elemental Mercury	Cinnabar	Realgar	Orpiment	Vein Material	Red Rind	Conc. (ppm)								Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
SM71a	76	77	07/21/15			Argillite with trace vein material.	Black	B								X		Damp						<LOD	38	133	4	8	1		
SM71a	77	78	07/21/15			Argillite.	Black	B										Damp						<LOD	39	129	4	6	1		
SM71a	78	79	07/21/15			Argillite; driller reported rock becoming more solid.	Black	B										Damp						<LOD	40	94	3	9	1		
SM71a	79	80	07/21/15			Siltstone and trace igneous dike; trace yellow iron staining; driller reported solid rock drilling.	Very Dark Gray	B								X		Damp						<LOD	38	51	2	<LOD	3		
SM71a	80	81	07/21/15			Siltstone with occasional yellow iron staining.	Very Dark Gray	B										Damp						<LOD	38	59	3	5	1		
SM71a	81	82	07/21/15			Siltstone with occasional yellow iron staining.	Very Dark Gray	B										Damp						<LOD	39	59	3	<LOD	3		
SM71a	82	83	07/21/15			Siltstone with occasional yellow to yellowish orange iron staining; trace vein material.	Very Dark Gray	B								X		Damp						<LOD	37	52	2	3	1		
SM71a	83	84	07/21/15			Argillite and siltstone with trace iron staining.	Very Dark Gray	B										Damp						<LOD	37	74	3	5	1		
SM71a	84	85	07/21/15			Siltstone, trace igneous dike; driller noted slightly fractured rock.	Very Dark Gray	B										Damp						<LOD	38	78	3	4	1		
SM71a	85	86	07/21/15			Shale and trace igneous dike; driller noted fractured rock.	Black	B										Damp						<LOD	38	80	3	5	1		
SM71a	86	87	07/21/15			Shale with trace iron staining; driller noted solid rock drilling.	Black	B										Damp						<LOD	40	84	3	5	1		
SM71a	87	88	07/21/15			Siltstone with trace iron staining.	Very Dark Gray	B										Damp						<LOD	44	62	3	5	1		
SM71a	88	89	07/21/15			Siltstone.	Very Dark Gray	B										Damp						<LOD	36	113	3	3	1		
SM71a	89	90	07/21/15	0	NR	No recovery.		B																							
SM71a	90	91	07/21/15			Siltstone.	Very Dark Gray	B										Moist													
SM71a	91	92	07/21/15			Siltstone grading into graywacke, occasional iron staining.	Very Dark Gray	B										Moist						<LOD	37	87	3	4	1		
SM71a	92	93	07/21/15			Graywacke with very fine sand grains, trace iron staining.	Very Dark Gray	B										Moist						<LOD	42	106	4	5	1		
SM71a	93	94	07/21/15			Graywacke with very fine sand grains, trace iron staining.	Very Dark Gray	B										Moist						<LOD	54	100	5	6	2		
SM71a	94	95	07/21/15			As above, with occasional iron staining and very thin white fracture fill.	Very Dark Gray	B								X		Wet						<LOD	39	129	4	5	1		
SM71a	95	96	07/21/15			Siltstone with 1 mm white vein, few clasts have yellow to orange staining.	Black	B								X		Wet						<LOD	39	180	4	4	1		
SM71a	96	97	07/21/15			As above, with trace vein and iron staining.	Very Dark Gray	B								X		Wet						<LOD	39	107	3	8	1		
SM71a	97	98	07/21/15			Siltstone and graywacke with few white fragments in matrix.	Very Dark Gray	B										Wet						<LOD	32	69	3	<LOD	2		
SM71a	98	99	07/21/15			Graywacke and shale, graywacke has white fragments in matrix.	Black	B										Wet						<LOD	35	139	4	7	1		
SM71b	0	100																													
SM71b	100	101	07/29/15			Shale and few graywacke, trace iron staining.	Black	B										Wet	MW43	98 - 118				<LOD	46	86	4	<LOD	4		
SM71b	102	103	07/29/15			Argillite and graywacke, trace iron staining.	Dark Gray	B										Wet	MW43	98 - 118				<LOD	62	55	4	<LOD	5		
SM71b	103	104	07/29/15			Graywacke and some shale; some iron staining and orange brown fracture fill.	Dark Gray	B										Wet	MW43	98 - 118				<LOD	45	125	4	4	1		
SM71b	104	105	07/29/15			Shale and graywacke, trace iron staining.	Dark Gray	B										Wet	MW43	98 - 118				<LOD	47	182	5	<LOD	4		
SM71b	105	106	07/29/15			Shale and graywacke, trace iron staining; some orange vein in graywacke.	Dark Gray	B								X		Wet	MW43	98 - 118				<LOD	49	185	6	5	1		
SM71b	106	107	07/29/15			Graywacke and argillite, trace iron staining; some white and orange veins.	Dark Gray	B								X		Wet	MW43	98 - 118				<LOD	50	225	6	<LOD	4		
SM71b	107	108	07/29/15			Graywacke and argillite, trace iron staining; some white and orange veins.	Dark Gray	B								X		Wet	MW43	98 - 118				<LOD	48	248	7	<LOD	4		
SM71b	108	109	07/29/15			Graywacke and argillite, trace iron staining; few white and orange veins.	Dark Gray	B								X		Wet	MW43	98 - 118				<LOD	49	475	9	<LOD	5		
SM71b	109	110	07/29/15			Graywacke and argillite, trace iron staining; trace iron vein.	Dark Gray	B								X		Wet	MW43	98 - 118				<LOD	49	1285	19	7	2		
SM71b	110	111	07/29/15			Argillite and vein material clasts, some graywacke; vein material has black fragments.	Dark Gray and White	B								X		Wet	MW43	98 - 118				<LOD	47	803	13	6	2		
SM71b	111	112	07/29/15			Argillite and graywacke, trace iron staining, few vein material clasts.	Dark Gray	B								X		Wet	MW43	98 - 118				<LOD	48	4026	51	<LOD	10		
SM71b	112	113	07/29/15			Argillite and graywacke, trace iron staining, few clasts of white vein material with black fragments.	Dark Gray	B								X		Wet	MW43	98 - 118				<LOD	48	2880	36	11	3		
SM71b	113	114	07/29/15			Shale and argillite, trace iron staining.	Black	B										Moist	MW43	98 - 118				61	16	1150	18	7	2		
SM71b	114	115	07/29/15			Graywacke and some argillite, trace stibnite, trace white vein material.	Dark Gray	B								X		Wet	MW43	98 - 118				51	16	3397	44	<LOD	9		
SM71b	115	116	07/29/15			Graywacke with few stibnite, trace iron staining, trace white to whitish orange vein material.	Gray	B								X		Wet	MW43	98 - 118				<LOD	52	6954	94	<LOD	13		
SM71b	116	117	07/29/15			Graywacke and few shale, few iron stained, possible realgar, trace vein material.	Gray	B								X		Wet	MW43	98 - 118				<LOD	47	916	14	7	2		
SM71b	117	118	07/29/15			Graywacke with iron staining.	Dark Gray	B										Wet	MW43	98 - 118				<LOD	42	431	8	6	1		
SM71b	118	119	07/29/15			Argillite and trace graywacke, trace iron staining.	Dark Gray	B										Wet	MW43	98 - 118				<LOD	48	478	10	<LOD	5		
SM71b	119	120	07/29/15			Argillite with trace stibnite, trace iron staining.	Black	B								X		Wet						<LOD	47	363	8	5	1		
SM71b	120	121	07/29/15			Argillite and trace graywacke, trace white vein material, trace iron staining.	Black	B										Wet						<LOD	49	212	6	6	1		

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
MP094	0	1																						
MP094	1	2	180	54	65	14	NA	NA	164	78	97	15	24400	257	24	5	515	58	110	28	<LOD	8	81	11
MP094	2	3																						
MP094	3	4	154	58	61	15	NA	NA	196	95	89	16	32626	315	26	6	694	70	176	32	<LOD	9	106	13
MP094	4	5	<LOD	83	96	16	NA	NA	140	71	89	15	19286	233	18	5	387	54	171	30	<LOD	8	83	11
MP094	5	6	<LOD	39	<LOD	7	NA	NA	<LOD	52	19	7	9669	114	7	3	125	25	<LOD	21	<LOD	3	37	5
MP094	6	7	<LOD	41	<LOD	7	NA	NA	<LOD	56	11	7	10661	122	9	3	214	29	<LOD	22	<LOD	3	44	6
MP094	7	8	339	32	<LOD	8	NA	NA	<LOD	69	21	8	15478	153	9	3	172	30	<LOD	24	<LOD	3	53	6
MP094	8	9	<LOD	62	28	9	NA	NA	123	57	43	11	17009	186	15	4	325	42	90	22	<LOD	5	77	9
MP094	9	10	428	44	<LOD	12	NA	NA	<LOD	124	30	14	24944	273	12	5	205	48	49	29	<LOD	5	54	10
MP094	10	11	703	41	<LOD	11	NA	NA	187	74	37	11	28163	242	12	4	351	46	53	22	<LOD	5	75	9
MP094	11	12	503	35	<LOD	9	NA	NA	<LOD	78	<LOD	14	15563	173	10	4	225	36	<LOD	29	<LOD	4	56	7
MP094	12	13	558	38	<LOD	10	NA	NA	145	60	37	9	22126	198	12	4	279	38	44	19	<LOD	4	69	8
MP094	13	14	947	40	<LOD	9	NA	NA	<LOD	87	31	10	19320	191	7	3	510	47	47	20	<LOD	3	76	8
MP094	14	15	586	34	<LOD	8	NA	NA	<LOD	69	38	9	14744	154	8	3	223	33	34	17	<LOD	3	69	7
MP094	15	16	815	41	<LOD	10	NA	NA	<LOD	131	34	12	37639	293	8	4	251	46	79	24	<LOD	4	85	9
MP094	16	17	526	39	<LOD	11	NA	NA	<LOD	108	31	10	28459	240	11	4	348	45	80	22	<LOD	4	92	9
MP094	17	18	712	36	<LOD	9	NA	NA	<LOD	100	34	9	29121	224	11	3	867	56	37	18	<LOD	3	73	7
MP094	18	19	689	37	<LOD	9	NA	NA	130	71	33	10	29640	236	11	4	361	44	44	20	<LOD	4	79	8
MP094	19	20	606	43	<LOD	11	NA	NA	<LOD	127	40	13	30220	282	11	4	524	58	51	26	<LOD	4	89	10
MP094	20	21	670	36	<LOD	8	NA	NA	141	67	51	9	29536	223	11	4	726	52	<LOD	27	<LOD	3	91	8
MP094	21	22																						
MP094	22	24																						
MP095	0	1	714	122	<LOD	40	127	37	26	7	70	11	32581	371	<LOD	13	591	44	74	18	12	3	129	8
MP095	1	2	474	102	<LOD	37	95	31	23	6	43	9	25250	274	<LOD	10	531	38	62	15	<LOD	7	88	6
MP095	2	3	269	77	<LOD	31	<LOD	69	<LOD	15	<LOD	18	23445	221	<LOD	7	238	26	<LOD	34	<LOD	3	62	4
MP095	3	4	431	81	<LOD	32	<LOD	69	<LOD	15	<LOD	18	24627	233	<LOD	7	206	26	57	12	<LOD	3	76	4
MP095	4	5	333	86	<LOD	32	126	27	<LOD	17	28	7	29039	276	9	3	594	35	50	13	<LOD	4	140	6
MP095	5	6																						
MP095	6	7																						
MP095	7	8	503	87	<LOD	32	171	28	20	6	38	7	28905	273	16	3	464	32	54	13	<LOD	3	142	6
MP095	8	9																						
MP095	9	10	503	92	<LOD	34	99	28	<LOD	19	31	7	32888	319	13	3	661	38	84	14	<LOD	4	96	5
MP095	10	11	542	91	<LOD	32	132	28	22	6	37	7	34573	320	10	3	740	38	40	13	<LOD	3	97	5
MP095	11	12	628	87	<LOD	31	122	26	23	6	26	6	30386	273	11	3	916	38	57	12	4	1	91	5
MP095	12	13	478	78	<LOD	30	101	23	16	4	42	6	17480	169	15	2	362	26	37	11	<LOD	3	69	4
MP095	13	14	630	84	<LOD	31	128	25	<LOD	13	26	6	19666	189	17	3	412	28	78	12	<LOD	3	107	5
MP095	14	15	276	67	<LOD	29	<LOD	60	11	4	<LOD	16	13990	138	8	2	268	23	<LOD	29	<LOD	3	50	4
MP095	15	16	348	73	<LOD	30	88	22	18	4	19	6	15265	148	14	2	194	22	<LOD	30	<LOD	3	80	4
MP095	16	17																						
MP095	17	18	400	89	<LOD	32	148	28	28	6	36	7	35445	331	12	3	1009	42	54	13	<LOD	3	150	6
MP095	18	19	381	73	<LOD	29	104	22	20	4	37	6	15814	151	19	3	254	23	67	11	13	1	94	4
MP095	19	20	667	99	<LOD	32	<LOD	86	42	7	32	7	47226	433	<LOD	8	1840	55	<LOD	43	7	1	91	5
MP095	20	22																						
MP096	0	1	10	3	<LOD	44	8	2	80	8	18	3	3274	37	11	2	46	3	10	3	<LOD	8	40	3
MP096	1	2	11	3	<LOD	44	<LOD	5	59	7	14	3	2961	34	<LOD	7	34	3	<LOD	7	<LOD	9	28	3
MP096	2	3	12	4	<LOD	45	<LOD	6	80	9	19	3	3843	45	<LOD	8	53	4	<LOD	8	<LOD	10	41	3
MP096	3	4	<LOD	12	<LOD	47	<LOD	7	120	12	21	3	6554	77	<LOD	9	99	5	<LOD	10	<LOD	12	43	4

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
MP096	4	5	12	3	<LOD	41	7	2	60	7	20	3	3356	37	49	3	35	3	<LOD	7	<LOD	7	40	3
MP096	5	6	13	4	<LOD	44	<LOD	6	70	8	21	3	3279	38	<LOD	7	50	3	<LOD	8	<LOD	10	46	3
MP096	6	7	10	3	<LOD	41	<LOD	5	63	6	7	2	2572	28	5	2	24	2	<LOD	6	<LOD	6	27	2
MP096	7	8	7	2	<LOD	34	<LOD	3	37	4	7	2	1620	16	5	1	27	2	<LOD	4	<LOD	2	13	1
MP096	8	9	<LOD	6	<LOD	34	<LOD	3	35	4	6	2	1437	15	7	1	21	2	<LOD	4	<LOD	3	13	1
MP096	9	10	8	2	<LOD	33	4	1	40	4	<LOD	4	1308	13	4	1	22	2	<LOD	4	<LOD	2	16	1
MP096	10	11	14	3	<LOD	36	5	1	64	6	7	2	2770	27	7	1	30	2	7	2	<LOD	3	26	2
MP096	11	12	<LOD	8	<LOD	46	5	2	41	5	<LOD	6	1417	20	8	2	13	2	<LOD	6	<LOD	3	16	2
MP096	12	13	<LOD	8	<LOD	41	<LOD	4	45	6	<LOD	6	1896	23	7	2	16	2	<LOD	5	<LOD	3	17	2
MP096	13	14	9	2	<LOD	33	4	1	33	4	5	2	1085	12	6	1	15	2	7	1	3	1	22	1
MP096	14	15	12	2	<LOD	35	<LOD	4	36	4	<LOD	5	1364	15	4	1	16	2	<LOD	4	<LOD	2	19	1
MP096	15	16	7	2	<LOD	35	<LOD	4	26	4	8	2	1538	16	4	1	51	2	<LOD	5	<LOD	2	14	1
MP096	16	17	12	3	<LOD	39	<LOD	4	39	5	6	2	1951	22	<LOD	4	17	2	<LOD	5	<LOD	4	22	2
MP096	17	18	13	2	<LOD	36	<LOD	4	38	5	11	2	1942	20	6	1	11	2	<LOD	5	<LOD	2	19	1
MP096	18	19	11	2	<LOD	34	5	1	45	4	9	2	1669	17	<LOD	3	12	2	<LOD	5	<LOD	3	21	1
MP096	19	20	11	2	<LOD	33	<LOD	4	60	5	7	2	2329	22	5	1	26	2	<LOD	5	<LOD	2	20	1
MP096	20	21	9	2	<LOD	34	<LOD	4	46	5	<LOD	5	2179	21	6	1	21	2	<LOD	5	<LOD	3	21	1
MP096	21	22	<LOD	7	<LOD	40	5	1	49	6	<LOD	6	2052	23	5	1	14	2	<LOD	5	<LOD	3	18	2
MP096	22	23	12	2	<LOD	36	<LOD	4	36	5	<LOD	5	2394	24	6	1	23	2	<LOD	5	<LOD	2	23	2
MP096	23	24	12	3	<LOD	39	<LOD	4	55	7	8	2	3071	32	5	1	28	3	<LOD	6	<LOD	3	26	2
MP096	24	25	14	3	<LOD	39	6	2	60	7	6	2	3134	33	6	1	26	3	<LOD	6	<LOD	3	27	2
MP096	25	26	13	3	<LOD	38	<LOD	4	51	6	7	2	2388	26	4	1	18	2	<LOD	6	<LOD	3	25	2
MP096	26	27	13	3	<LOD	38	<LOD	4	55	6	9	2	2489	26	4	1	13	2	<LOD	6	<LOD	3	23	2
MP096	27	28	18	3	<LOD	42	7	2	83	9	19	2	5114	55	6	2	213	6	<LOD	8	<LOD	3	48	2
MP096	28	30																						
MP096	30	32																						
MP097	0	1																						
MP097	1	2	638	39	<LOD	11	NA	NA	<LOD	90	43	10	21330	199	13	4	356	42	41	19	<LOD	4	78	8
MP097	2	3																						
MP097	3	4	655	38	<LOD	10	NA	NA	<LOD	94	30	10	22977	210	11	4	273	40	59	20	<LOD	4	63	8
MP097	4	5	1084	42	<LOD	10	NA	NA	<LOD	108	42	10	31385	243	10	4	3837	109	63	20	<LOD	4	103	9
MP097	5	6	1080	42	<LOD	10	NA	NA	<LOD	128	34	11	36064	285	10	4	356	49	55	23	<LOD	4	96	10
MP097	6	7	572	37	<LOD	10	NA	NA	108	65	35	9	27059	217	9	3	274	39	<LOD	27	<LOD	4	92	8
MP097	7	8	481	35	<LOD	9	NA	NA	<LOD	81	36	10	16875	180	10	4	344	41	<LOD	29	<LOD	3	82	8
MP097	8	9	491	36	<LOD	9	NA	NA	92	58	32	9	21134	191	11	4	347	40	30	18	<LOD	4	82	8
MP097	9	10	738	36	<LOD	9	NA	NA	<LOD	88	37	9	21967	197	11	4	142	33	70	19	<LOD	3	90	8
MP097	10	11	592	36	<LOD	9	NA	NA	139	61	43	9	23744	202	10	3	347	40	61	19	<LOD	4	83	8
MP097	11	12	503	34	<LOD	9	NA	NA	<LOD	76	35	9	16731	168	13	4	241	35	<LOD	26	<LOD	3	63	7
MP097	12	13	496	36	<LOD	9	NA	NA	130	63	29	9	23936	207	17	4	324	40	37	19	<LOD	4	78	8
MP097	13	14	609	35	<LOD	8	NA	NA	<LOD	84	34	9	21001	186	11	3	315	38	54	18	<LOD	3	83	8
MP097	14	15	589	35	<LOD	8	NA	NA	112	56	37	9	20662	185	8	3	304	38	32	18	<LOD	3	78	7
MP097	15	16	854	48	<LOD	12	NA	NA	<LOD	140	43	15	35387	323	9	4	4001	140	87	29	<LOD	4	82	10
MP098	0	1	303	34	<LOD	9	NA	NA	<LOD	76	32	10	14831	166	19	4	304	38	<LOD	28	<LOD	4	77	8
MP098	1	2	721	42	<LOD	10	NA	NA	<LOD	109	36	14	21240	241	12	5	496	57	61	27	<LOD	7	107	12
MP098	2	3	302	37	<LOD	9	NA	NA	<LOD	127	53	13	31425	282	12	4	808	66	44	25	<LOD	5	80	10
MP098	3	4	937	40	<LOD	10	NA	NA	250	88	35	11	39715	292	12	4	778	61	46	23	<LOD	4	112	10
MP098	4	5	698	44	<LOD	13	NA	NA	99	56	99	13	15486	185	17	5	579	53	57	22	<LOD	6	74	11

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
MP098	5	6	1239	46	<LOD	11	NA	NA	<LOD	119	69	14	27836	266	9	4	657	61	101	27	<LOD	6	131	12
MP098	6	7																						
MP098	7	8																						
MP098	8	9																						
MP098	9	10																						
MP098	10	11																						
MP098	11	12																						
MP098	12	13																						
MP098	13	14																						
MP098	14	15																						
MP098	15	16	823	40	<LOD	10	NA	NA	220	92	69	13	40858	304	17	5	651	60	43	24	<LOD	5	149	12
MP098	16	18	723	36	<LOD	9	NA	NA	<LOD	80	27	9	18703	180	13	4	241	36	<LOD	26	<LOD	3	65	7
MP098	18	20	737	40	<LOD	10	NA	NA	241	89	66	13	38428	295	13	4	891	66	72	25	<LOD	5	127	11
MP098	20	21	1162	43	<LOD	10	NA	NA	<LOD	144	54	13	45156	326	9	5	1364	82	159	27	<LOD	6	92	13
MP098	21	22	760	37	<LOD	9	NA	NA	<LOD	100	31	10	25644	223	14	4	260	40	<LOD	29	<LOD	4	75	8
MP098	22	23	1333	49	<LOD	12	NA	NA	<LOD	103	31	13	18883	228	13	5	231	46	<LOD	39	<LOD	5	66	10
MP098	23	24	532	48	<LOD	12	NA	NA	<LOD	85	50	18	9926	190	13	6	88	42	<LOD	48	<LOD	7	38	12
MP098	24	25	481	40	<LOD	10	NA	NA	<LOD	128	65	14	32493	290	9	4	869	71	102	27	<LOD	5	151	13
MP098	25	26	781	39	<LOD	9	NA	NA	<LOD	117	51	12	31364	262	15	4	507	53	69	23	<LOD	5	95	10
MP098	26	27	512	33	<LOD	8	NA	NA	<LOD	78	39	9	17953	173	15	4	231	35	63	18	<LOD	3	88	8
MP098	27	28	518	34	<LOD	8	NA	NA	<LOD	73	25	9	15491	163	13	4	249	35	66	18	<LOD	3	65	7
MP098	28	29																						
MP098	29	30	1027	43	<LOD	10	NA	NA	183	83	26	12	31762	275	15	4	513	55	47	24	<LOD	4	97	10
MP098	30	31	868	37	<LOD	9	NA	NA	127	70	43	10	29861	232	9	3	711	53	44	19	<LOD	4	83	8
MP098	31	32	1063	42	<LOD	10	NA	NA	<LOD	106	70	13	22948	236	13	4	290	46	65	25	<LOD	4	75	9
MP098	32	33	1147	40	<LOD	9	NA	NA	<LOD	92	43	10	21810	206	10	4	411	45	54	20	<LOD	4	72	8
MP098	33	34	1233	42	<LOD	10	NA	NA	<LOD	71	31	11	11921	159	9	4	466	47	36	21	<LOD	4	30	7
MP098	34	35																						
MP098	35	36	714	36	<LOD	9	NA	NA	105	56	47	10	18924	183	9	4	285	38	<LOD	27	6	3	42	7
MP098	36	37																						
MP098	37	38	1495	46	<LOD	10	NA	NA	<LOD	174	51	12	66526	391	10	4	726	68	90	26	<LOD	6	87	10
MP098	38	39																						
MP098	39	40	933	40	<LOD	10	NA	NA	<LOD	157	58	11	61904	355	11	4	490	56	134	24	<LOD	5	108	10
MP098	40	41																						
MP098	41	42	1292	43	<LOD	10	NA	NA	209	124	59	12	77217	415	11	4	609	65	104	26	<LOD	6	108	11
MP098	42	44																						
MP098	44	45	2488	62	<LOD	13	NA	NA	<LOD	252	29	17	88477	567	<LOD	9	997	98	137	39	<LOD	11	91	16
MP099	0	2																						
MP099	2	4	662	47	16	9	NA	NA	128	82	69	14	29396	273	16	5	538	58	76	26	<LOD	8	100	12
MP099	4	6	532	42	<LOD	12	NA	NA	<LOD	110	54	12	26503	245	22	5	630	57	77	24	<LOD	6	86	10
MP099	6	7	1008	51	33	10	NA	NA	146	81	86	14	28167	268	16	5	624	61	98	27	<LOD	7	96	11
MP099	7	8	627	36	<LOD	9	NA	NA	132	57	33	9	19576	188	12	4	532	46	36	19	<LOD	4	77	8
MP099	8	9	544	39	<LOD	11	NA	NA	<LOD	97	39	11	21342	214	17	4	445	48	47	22	<LOD	5	81	9
MP099	9	10	479	37	<LOD	9	NA	NA	101	61	25	10	19393	200	11	4	430	46	<LOD	30	<LOD	4	54	7
MP099	10	11	149	46	<LOD	15	NA	NA	126	83	85	15	28764	276	21	6	725	65	120	28	<LOD	7	103	13
MP099	11	12	976	40	<LOD	9	NA	NA	330	109	53	12	60252	361	17	4	654	61	74	25	<LOD	4	113	10
MP099	12	13	484	42	<LOD	12	NA	NA	<LOD	122	64	14	28725	270	24	5	632	61	60	26	<LOD	7	96	11
MP099	13	14	605	35	<LOD	9	NA	NA	<LOD	61	16	9	9947	133	9	3	217	33	36	18	<LOD	3	38	6
MP099	14	15	628	36	<LOD	9	NA	NA	<LOD	73	17	9	14311	162	12	4	220	35	<LOD	27	<LOD	3	46	7
MP099	15	16	656	35	<LOD	8	NA	NA	<LOD	58	23	9	9579	128	8	3	204	32	30	17	<LOD	3	42	6
MP099	16	17	521	35	<LOD	9	NA	NA	<LOD	70	25	9	12475	153	14	4	179	33	40	19	<LOD	4	46	7
MP099	17	18	591	37	<LOD	9	NA	NA	71	46	42	10	11865	152	16	4	194	34	34	19	<LOD	3	49	7

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
MP099	18	19	681	40	<LOD	10	NA	NA	<LOD	102	38	12	22595	226	12	4	335	46	<LOD	33	<LOD	4	76	9
MP099	19	20	895	46	<LOD	11	NA	NA	134	85	45	14	27817	280	15	5	294	51	<LOD	40	<LOD	4	77	10
MP099	20	21	504	37	<LOD	9	NA	NA	267	90	41	11	41157	295	9	4	484	53	35	22	<LOD	4	99	9
MP099	21	22	409	37	<LOD	9	NA	NA	193	96	33	11	46549	318	9	4	925	67	<LOD	34	<LOD	4	98	9
MP099	22	23	401	34	<LOD	8	NA	NA	<LOD	85	19	9	19459	191	<LOD	5	230	37	31	19	<LOD	3	35	6
MP099	23	24	729	36	<LOD	9	NA	NA	<LOD	97	50	10	25849	218	10	4	346	42	36	19	<LOD	3	78	8
MP099	24	26																						
MP100	0	1	740	38	<LOD	9	NA	NA	<LOD	119	80	13	33102	265	20	5	701	58	86	23	<LOD	5	83	9
MP100	1	2	955	41	<LOD	10	NA	NA	<LOD	128	91	13	37777	287	19	5	1011	68	109	24	<LOD	5	136	11
MP100	2	3	1251	42	<LOD	9	NA	NA	<LOD	123	73	12	34999	275	16	4	953	66	78	23	<LOD	5	103	10
MP100	3	4	1025	39	<LOD	9	NA	NA	<LOD	109	78	11	30836	242	13	4	809	57	77	21	<LOD	5	143	10
MP100	4	6	950	40	<LOD	9	NA	NA	<LOD	119	87	13	33164	265	15	4	800	61	62	23	<LOD	5	100	10
MP100	6	7	1011	41	<LOD	9	NA	NA	186	90	65	12	41078	298	17	4	961	67	56	23	<LOD	5	126	11
MP100	7	8	1042	41	<LOD	10	NA	NA	<LOD	125	77	13	34873	278	16	4	795	62	82	24	<LOD	5	123	11
MP100	8	9	937	40	<LOD	9	NA	NA	201	84	73	13	34982	276	14	4	717	60	69	24	<LOD	5	91	10
MP100	9	10	224	32	<LOD	8	NA	NA	71	44	34	9	11776	142	9	3	219	33	<LOD	26	<LOD	3	41	6
MP100	10	11	196	32	<LOD	8	NA	NA	<LOD	68	18	9	13055	150	9	3	227	34	<LOD	26	<LOD	3	52	7
MP100	11	12	550	34	<LOD	9	NA	NA	<LOD	61	27	9	10314	134	9	3	190	31	<LOD	26	<LOD	3	44	6
MP100	12	13	506	34	<LOD	8	NA	NA	<LOD	58	14	8	10094	130	11	3	187	31	<LOD	25	<LOD	3	52	6
MP100	13	14	509	35	<LOD	9	NA	NA	<LOD	70	19	9	13450	154	11	4	195	33	29	18	<LOD	3	38	6
MP100	14	16	686	36	<LOD	9	NA	NA	<LOD	67	17	9	12774	150	9	3	197	33	28	18	<LOD	3	42	6
MP100	16	17	713	35	<LOD	9	NA	NA	<LOD	67	20	8	13254	150	8	3	205	33	<LOD	25	<LOD	3	38	6
MP100	17	18	609	35	<LOD	8	NA	NA	<LOD	66	16	8	12744	146	10	3	184	31	<LOD	25	<LOD	3	50	6
MP100	18	19	541	37	<LOD	9	NA	NA	<LOD	93	20	10	20754	207	12	4	267	40	<LOD	30	<LOD	4	49	7
MP100	19	20	645	34	<LOD	8	NA	NA	<LOD	57	18	8	10721	130	9	3	163	29	31	16	<LOD	3	31	5
MP100	20	21	493	32	<LOD	8	NA	NA	<LOD	58	20	8	10715	128	10	3	163	29	<LOD	23	<LOD	3	47	6
MP100	21	22	167	30	<LOD	8	NA	NA	<LOD	43	<LOD	11	5937	93	5	3	248	30	<LOD	21	<LOD	3	26	5
MP100	22	23	705	36	<LOD	9	NA	NA	<LOD	58	<LOD	12	9365	128	9	3	177	31	27	17	<LOD	3	36	6
MP100	23	24	503	33	<LOD	8	NA	NA	<LOD	58	12	8	10652	129	10	3	131	28	<LOD	24	<LOD	3	36	6
MP100	24	25	426	32	<LOD	8	NA	NA	<LOD	56	13	7	9816	122	7	3	185	29	25	16	<LOD	3	30	5
MP100	25	26	637	34	<LOD	8	NA	NA	<LOD	73	15	8	15123	161	11	3	135	30	42	18	<LOD	3	65	7
MP100	26	27	498	32	<LOD	8	NA	NA	<LOD	66	25	8	13487	145	9	3	183	30	25	16	<LOD	3	55	6
MP100	27	28	665	38	<LOD	9	NA	NA	<LOD	90	30	11	19326	201	8	4	196	38	36	21	<LOD	4	75	8
MP100	28	29	582	37	<LOD	9	NA	NA	<LOD	67	39	10	11019	148	11	4	700	52	40	20	<LOD	3	68	8
MP100	29	30	507	35	<LOD	9	NA	NA	<LOD	79	26	9	17604	178	9	3	917	56	51	19	<LOD	3	75	8
MP100	30	31	592	34	<LOD	8	NA	NA	<LOD	80	29	9	19113	178	7	3	1235	61	66	18	<LOD	3	79	7
MP100	31	32	533	51	<LOD	13	NA	NA	265	113	36	19	33165	369	11	5	1944	120	<LOD	56	<LOD	6	69	12
MP100	32	33	575	34	<LOD	8	NA	NA	90	58	30	9	21365	192	15	4	769	52	58	19	<LOD	3	89	8
MP100	33	34	1109	43	<LOD	10	NA	NA	<LOD	108	41	12	24446	239	8	4	133	38	81	24	<LOD	4	78	9
MP100	34	35	639	35	<LOD	9	NA	NA	97	58	35	9	21921	192	8	3	587	47	39	18	<LOD	3	83	8
MP100	35	36	515	41	<LOD	10	NA	NA	<LOD	189	33	13	70285	427	<LOD	6	3116	121	79	28	<LOD	4	75	9
MP100	36	37	718	41	<LOD	10	NA	NA	136	86	<LOD	17	34299	287	6	4	351	50	<LOD	36	<LOD	4	54	8
MP101	0	1	730	39	<LOD	10	NA	NA	<LOD	107	42	11	27371	238	10	4	1721	80	107	23	<LOD	5	112	10
MP101	1	2																						
MP101	2	4	413	43	<LOD	13	NA	NA	<LOD	107	89	13	25688	237	24	6	512	53	100	24	<LOD	7	118	13
MP101	5	6	205	34	<LOD	9	NA	NA	89	57	42	10	20539	190	14	4	528	46	40	19	<LOD	5	64	9
MP101	6	8	512	38	<LOD	10	NA	NA	100	58	51	10	20374	193	16	4	684	51	48	19	<LOD	4	76	8
MP101	8	10	326	51	<LOD	13	NA	NA	208	110	41	20	30569	363	9	6	371	68	<LOD	58	<LOD	7	71	13
MP101	10	11	459	37	<LOD	10	NA	NA	<LOD	87	52	10	20115	194	12	4	428	44	61	20	<LOD	5	79	9
MP101	11	12	1343	43	<LOD	10	NA	NA	224	96	90	13	48000	318	35	5	211	45	76	23	20	3	120	10
MP101	12	13	685	38	<LOD	10	NA	NA	<LOD	110	58	11	29605	244	17	4	398	47	58	21	<LOD	4	84	9
MP101	13	14	620	39	<LOD	10	NA	NA	<LOD	142	34	11	47198	319	<LOD	5	700	61	74	23	<LOD	4	82	9
MP101	14	15	762	37	<LOD	9	NA	NA	<LOD	104	40	10	27953	231	6	3	409	46	68	21	<LOD	4	63	8
MP101	15	16	796	42	<LOD	10	NA	NA	<LOD	179	24	11	69550	407	6	4	5204	145	131	27	<LOD	4	92	10
MP101	16	17	1101	44	<LOD	10	NA	NA	<LOD	224	28	12	#####	507	<LOD	5	7700	179	150	29	<LOD	5	90	10
MP101	17	18	754	39	<LOD	10	NA	NA	<LOD	127	25	10	42672	296	6	3	4472	124	93	22	<LOD	4	80	8
RD21	1	2	9	2	<LOD	36	6	1	64	6	12	2	2506	24	7	1	87	3	11	2	5	1	33	2

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc		
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	
RD21	2	3	12	3	<LOD	40	7	2	60	7	8	2	2672	30	5	2	91	4	<LOD	6	<LOD	4	25	2	
RD21	3	4	14	3	<LOD	44	6	2	31	5	30	3	1238	17	6	2	13	2	<LOD	6	4	1	11	2	
RD21	4	5	9	3	<LOD	39	5	2	57	6	9	2	2930	30	<LOD	4	72	3	8	2	<LOD	4	23	2	
RD21	5	6	13	3	<LOD	41	<LOD	5	55	7	6	2	3174	36	<LOD	4	11	2	<LOD	6	5	1	47	2	
RD21	6	7	13	3	<LOD	39	11	2	71	7	10	2	3505	36	<LOD	4	53	3	11	2	<LOD	5	29	2	
RD21	7	8	<LOD	9	<LOD	43	6	2	70	8	16	2	3347	38	6	2	57	3	<LOD	7	<LOD	3	31	2	
RD22	0	2	454	34	<LOD	9	NA	NA	<LOD	81	21	9	17586	178	10	4	245	36	<LOD	27	<LOD	3	55	7	
RD22	2	3	310	33	<LOD	8	NA	NA	<LOD	85	26	9	19576	189	14	4	244	37	<LOD	28	<LOD	3	63	7	
RD22	3	4	506	35	<LOD	9	NA	NA	<LOD	96	52	14	9	16298	172	12	4	258	37	<LOD	27	<LOD	3	54	7
RD22	4	5	174	32	<LOD	8	NA	NA	<LOD	75	<LOD	13	14899	164	7	3	227	35	<LOD	27	<LOD	3	42	6	
RD22	5	6	804	39	<LOD	9	NA	NA	<LOD	101	39	11	24635	225	9	4	371	45	31	21	<LOD	4	75	8	
RD22	6	7	587	35	<LOD	9	NA	NA	<LOD	74	15	8	16046	164	7	3	241	34	<LOD	25	<LOD	3	51	6	
RD22	7	8	745	36	<LOD	9	NA	NA	<LOD	81	23	9	18452	181	8	3	192	34	49	19	<LOD	3	68	7	
RD22	8	9	413	34	<LOD	9	NA	NA	<LOD	78	17	9	15815	173	8	4	240	37	39	19	<LOD	3	53	7	
RD22	9	10	522	37	<LOD	9	NA	NA	102	62	33	11	19959	204	14	4	238	40	<LOD	31	<LOD	3	83	9	
RD22	10																								
RD22	11	12	528	33	<LOD	8	NA	NA	<LOD	81	30	9	19776	181	6	3	464	42	45	18	<LOD	3	66	7	
RD22	12																								
RD22	13	14	749	40	<LOD	10	NA	NA	<LOD	136	66	13	40849	303	13	4	1115	72	57	24	<LOD	4	102	10	
RD22	14	15	799	41	<LOD	10	NA	NA	248	109	61	12	58205	363	13	4	1209	76	<LOD	36	<LOD	4	115	10	
RD22	15	16	706	38	<LOD	9	NA	NA	<LOD	131	53	11	41381	294	13	4	897	64	49	22	<LOD	4	90	9	
RD22	16	17	474	32	<LOD	8	NA	NA	102	55	42	8	21936	181	8	3	483	41	35	16	<LOD	3	78	7	
RD22	17	18	1135	42	<LOD	10	NA	NA	148	83	58	12	35627	276	17	4	617	56	51	23	<LOD	4	107	10	
RD22	18	19	889	36	<LOD	9	NA	NA	118	59	59	10	22459	194	16	4	488	44	58	19	<LOD	3	113	9	
RD22	19	20	579	37	<LOD	9	NA	NA	<LOD	103	35	10	26907	230	7	3	383	45	43	20	<LOD	3	82	8	
SM67	0	2	12	3	<LOD	39	<LOD	4	36	5	10	2	1868	21	6	1	29	2	<LOD	5	<LOD	3	17	2	
SM67	2	3	<LOD	252	<LOD	100	43458	1166	1265	120	767	44	#####	3586	88	13	3434	127	14133	387	<LOD	20	<LOD	40	
SM67	3	4	8	2	<LOD	36	<LOD	4	58	5	5	2	2133	22	<LOD	4	24	2	<LOD	5	<LOD	2	18	1	
SM67	4	6	7	2	<LOD	36	4	1	44	5	7	2	1912	19	5	1	23	2	<LOD	5	<LOD	2	19	1	
SM67	6	7	7	2	<LOD	32	<LOD	3	45	4	5	1	1735	17	5	1	25	2	5	2	<LOD	2	18	1	
SM67	7	8	10	2	<LOD	33	4	1	47	5	7	2	1840	18	<LOD	3	38	2	6	2	3	1	17	1	
SM67	8	9	22	3	<LOD	42	8	2	119	10	20	2	5547	58	8	2	64	4	<LOD	8	<LOD	3	36	2	
SM67	9	10	20	3	<LOD	39	<LOD	5	66	7	18	2	3437	36	8	2	78	3	<LOD	7	<LOD	3	43	2	
SM67	10	11	33	3	<LOD	40	<LOD	5	106	9	23	2	5077	51	11	2	56	3	<LOD	8	4	1	51	2	
SM67	11	12	21	3	<LOD	42	10	2	102	9	16	2	5364	56	10	2	110	4	<LOD	8	<LOD	3	58	3	
SM67	12	13	29	3	<LOD	40	9	2	89	9	20	2	5039	50	8	2	162	5	13	3	4	1	50	2	
SM67	13	14	14	3	<LOD	39	5	2	49	7	12	2	3472	35	<LOD	4	107	4	11	2	<LOD	3	31	2	
SM67	14	15	16	3	<LOD	35	6	1	43	6	6	2	2736	26	<LOD	4	67	3	6	2	<LOD	2	30	2	
SM67	15	16	20	4	<LOD	44	8	2	101	11	15	2	7136	77	6	2	359	8	<LOD	9	<LOD	3	57	3	
SM67	16	17	22	3	<LOD	40	<LOD	5	102	9	17	2	5599	57	6	2	91	4	<LOD	8	<LOD	3	40	2	
SM67	17	18	12	2	<LOD	33	4	1	12	2	6	2	551	7	4	1	8	1	5	1	<LOD	2	9	1	
SM67	18	19	23	4	<LOD	44	<LOD	7	193	15	28	3	12316	131	19	2	210	7	<LOD	12	5	1	66	3	
SM67	19	20	23	3	<LOD	43	6	2	83	8	16	2	3814	43	8	2	37	3	<LOD	7	<LOD	3	46	2	
SM67	20	21	20	3	<LOD	39	9	2	69	7	15	2	2910	30	7	1	41	3	<LOD	6	<LOD	3	35	2	
SM67	21	22	20	3	<LOD	36	6	1	66	6	22	2	2714	27	8	1	55	3	9	2	<LOD	3	32	2	
SM67	22	23	19	3	<LOD	38	<LOD	5	106	8	23	2	4123	41	9	2	52	3	<LOD	7	<LOD	3	46	2	
SM67	23	24	20	3	<LOD	37	7	2	111	7	18	2	3803	37	7	1	50	3	<LOD	7	<LOD	3	42	2	
SM67	24	25	15	3	<LOD	37	6	1	52	5	11	2	2154	22	7	1	23	2	8	2	<LOD	2	26	2	
SM67	25	26	17	3	<LOD	38	5	2	96	7	18	2	3912	39	6	1	41	3	10	2	<LOD	3	47	2	
SM67	26	27	27	3	<LOD	39	6	2	110	9	22	2	5280	53	7	2	140	4	<LOD	8	<LOD	3	47	2	
SM67	27	28	18	3	<LOD	39	8	2	87	8	18	2	4054	41	7	2	53	3	7	2	<LOD	3	46	2	
SM67	28	29	22	3	<LOD	38	<LOD	5	73	7	16	2	3680	37	6	1	42	3	<LOD	7	<LOD	3	42	2	

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM67	29	30	20	3	<LOD	40	10	2	89	8	18	2	3951	40	7	1	53	3	7	2	<LOD	3	50	2
SM67	30	31	26	3	<LOD	40	<LOD	5	78	9	13	2	5539	56	6	2	265	6	<LOD	8	<LOD	3	40	2
SM67	31	32	19	3	<LOD	38	6	2	83	7	16	2	3823	38	6	1	73	3	<LOD	6	3	1	40	2
SM67	32	33	17	3	<LOD	38	6	2	101	8	19	2	4269	42	11	2	52	3	7	2	4	1	47	2
SM67	33	34	10	3	<LOD	38	8	2	76	7	9	2	3951	39	5	1	49	3	<LOD	7	3	1	36	2
SM67	34	35	21	3	<LOD	37	<LOD	5	54	7	12	2	3302	33	<LOD	4	62	3	10	2	<LOD	3	38	2
SM67	35	36	20	3	<LOD	38	6	2	76	7	9	2	3352	34	5	1	43	3	<LOD	6	<LOD	3	35	2
SM67	36	37	24	3	<LOD	36	<LOD	4	74	6	21	2	2940	29	6	1	31	2	8	2	<LOD	3	39	2
SM67	37	38	18	3	<LOD	39	7	2	94	8	17	2	4140	42	<LOD	4	65	3	<LOD	7	<LOD	3	43	2
SM67	38	39	13	3	<LOD	36	<LOD	4	68	6	12	2	2980	29	6	1	31	2	<LOD	6	<LOD	3	32	2
SM67	39	40	24	3	<LOD	37	6	2	75	7	27	2	3358	33	11	2	40	3	12	2	3	1	53	2
SM67	40	41	24	3	<LOD	37	6	2	96	7	16	2	3866	38	7	1	58	3	<LOD	7	<LOD	3	47	2
SM67	41	42	33	3	<LOD	40	8	2	106	8	18	2	4022	42	9	2	96	4	<LOD	7	<LOD	3	46	2
SM67	42	43	22	3	<LOD	41	8	2	64	6	22	2	2517	28	8	2	21	2	8	2	<LOD	3	49	2
SM67	43	44	32	3	<LOD	39	7	2	63	6	24	2	2820	29	7	2	29	2	13	2	<LOD	3	54	2
SM67	44	45	17	3	<LOD	40	<LOD	5	84	8	23	2	3819	41	11	2	50	3	<LOD	7	<LOD	3	49	2
SM67	45	46	18	3	<LOD	41	8	2	136	9	20	2	5323	55	9	2	68	4	<LOD	8	<LOD	3	56	3
SM67	46	47	16	3	<LOD	40	<LOD	5	124	10	12	2	5633	58	7	2	104	4	<LOD	8	<LOD	3	36	2
SM67	47	48	20	3	<LOD	40	6	2	124	10	14	2	6061	61	6	2	60	4	<LOD	8	<LOD	3	34	2
SM67	48	49	19	3	<LOD	41	7	2	107	9	16	2	4616	48	9	2	59	3	<LOD	8	<LOD	3	35	2
SM67	49	50	19	3	<LOD	39	<LOD	5	79	8	15	2	3959	40	6	1	52	3	<LOD	7	<LOD	3	32	2
SM67	50	51	15	3	<LOD	38	<LOD	4	48	6	12	2	2835	29	<LOD	4	29	2	<LOD	6	<LOD	3	27	2
SM67	51	52	22	3	<LOD	40	6	2	108	9	21	2	4677	48	6	2	54	3	<LOD	7	<LOD	3	47	2
SM67	52	53	16	3	<LOD	39	5	2	72	7	10	2	3013	32	6	1	19	2	<LOD	6	<LOD	3	32	2
SM67	53	54	13	3	<LOD	40	<LOD	5	84	8	8	2	3994	41	5	1	74	3	<LOD	7	<LOD	3	31	2
SM67	54	55	10	3	<LOD	42	8	2	109	10	9	2	5501	59	<LOD	4	187	5	<LOD	8	<LOD	3	29	2
SM67	55	56	21	3	<LOD	38	7	2	54	6	20	2	2635	27	12	2	43	3	7	2	<LOD	3	51	2
SM67	56	57	24	3	<LOD	40	7	2	81	8	22	2	3694	38	11	2	47	3	<LOD	7	4	1	62	3
SM67	57	58	22	3	<LOD	42	8	2	72	8	20	2	3439	38	7	2	30	3	<LOD	7	<LOD	3	49	2
SM67	58	59	22	3	<LOD	40	<LOD	5	92	8	24	2	3649	38	5	1	39	3	<LOD	7	<LOD	3	42	2
SM67	59	60	23	3	<LOD	40	8	2	124	10	15	2	5837	59	7	2	84	4	<LOD	8	<LOD	3	38	2
SM67	60	61	14	4	<LOD	45	<LOD	6	147	11	10	2	6698	75	<LOD	5	73	4	<LOD	9	<LOD	3	38	2
SM67	61	62	<LOD	11	<LOD	44	<LOD	6	186	13	9	2	8238	90	12	2	27	4	<LOD	10	7	1	36	2
SM67	62	63	19	4	<LOD	42	11	2	191	11	19	2	7494	77	<LOD	5	36	4	<LOD	9	7	1	41	2
SM67	63	64	25	3	<LOD	39	7	2	88	8	25	2	3975	41	7	2	45	3	<LOD	7	<LOD	3	58	2
SM67	64	65	16	3	<LOD	42	<LOD	5	97	9	11	2	5075	54	6	2	61	4	<LOD	8	<LOD	3	33	2
SM67	65	66	12	3	<LOD	39	<LOD	4	49	7	7	2	2943	31	5	1	76	3	<LOD	6	<LOD	3	29	2
SM67	66	67	19	3	<LOD	39	<LOD	4	53	6	10	2	2803	30	<LOD	4	100	4	<LOD	6	<LOD	3	28	2
SM67	67	68	16	3	<LOD	40	6	2	113	8	10	2	4628	46	5	1	57	3	<LOD	7	<LOD	3	37	2
SM67	68	69	15	3	<LOD	40	<LOD	5	93	8	8	2	3812	40	5	1	32	3	<LOD	7	<LOD	3	29	2
SM67	69	70	17	3	<LOD	39	6	2	56	7	12	2	3650	37	<LOD	4	29	3	<LOD	6	<LOD	3	54	2
SM67	70	71	10	3	<LOD	40	6	2	85	8	7	2	3546	38	5	1	22	3	<LOD	7	<LOD	3	32	2
SM67	71	72	25	3	<LOD	38	7	2	77	7	32	2	3275	33	17	2	43	3	<LOD	6	<LOD	3	43	2
SM67	72	73	22	3	<LOD	39	7	2	76	7	17	2	3396	35	11	2	34	3	10	2	3	1	40	2
SM67	73	74	16	3	<LOD	44	<LOD	5	94	9	9	2	4372	49	<LOD	5	29	3	<LOD	8	<LOD	3	29	2
SM67	74	75	17	3	<LOD	41	5	2	53	7	20	2	2640	30	<LOD	4	26	3	<LOD	6	<LOD	3	36	2
SM67	75	76	21	3	<LOD	38	6	2	74	7	22	2	3400	35	10	2	29	3	<LOD	7	<LOD	3	44	2
SM67	76	77	23	3	<LOD	38	5	2	84	7	23	2	3142	32	13	2	52	3	<LOD	6	4	1	39	2
SM67	77	78	18	3	<LOD	41	6	2	87	8	16	2	3588	39	9	2	78	4	<LOD	7	<LOD	3	42	2
SM67	78	79	22	3	<LOD	39	<LOD	5	89	7	14	2	3520	37	9	2	41	3	9	2	3	1	38	2
SM67	79	80	19	3	<LOD	39	8	2	84	7	23	2	2843	29	13	2	21	2	<LOD	6	<LOD	3	41	2
SM67	80	81	16	3	<LOD	42	<LOD	5	99	8	9	2	3762	42	<LOD	4	48	3	<LOD	7	<LOD	3	24	2
SM67	81	82	12	3	<LOD	38	<LOD	4	54	6	8	2	2361	25	4	1	98	3	<LOD	5	<LOD	3	23	2
SM67	82	83	<LOD	9	<LOD	42	<LOD	5	84	8	8	2	4087	45	13	2	155	5	<LOD	7	3	1	25	2
SM67	83	84	21	3	<LOD	39	6	2	65	6	22	2	2619	28	8	2	31	3	11	2	4	1	45	2
SM67	84	85	16	3	<LOD	40	5	2	97	8	20	2	3827	40	9	2	57	3	<LOD	7	<LOD	3	43	2
SM67	85	86	16	3	<LOD	38	<LOD	4	79	7	13	2	3013	31	<LOD	4	32	3	<LOD	6	<LOD	3	37	2
SM67	86	87	12	3	<LOD	41	<LOD	4	65	6	<LOD	6	2421	27	<LOD	4	29	3	<LOD	6	<LOD	3	29	2
SM67	87	88	10	3	<LOD	39	<LOD	5	83	7	9	2	3148	32	<LOD	4	35	3	<LOD	6	<LOD	3	24	2
SM67	88	89	11	3	<LOD	41	<LOD	5	79	8	7	2	3616	39	<LOD	4	40	3	<LOD	7	<LOD	3	34	2
SM67	89	90	12	3	<LOD	43	8	2	76	8	<LOD	6	3817	43	<LOD	4	51	3	<LOD	7	<LOD	3	28	2
SM68a	0	2																						

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM68a	2	4	11	3	<LOD	52	<LOD	6	42	7	<LOD	7	2012	31	11	2	45	4	<LOD	7	<LOD	4	28	2
SM68a	4	5	<LOD	17	<LOD	68	12	4	281	24	13	4	12106	209	<LOD	8	41	7	<LOD	15	<LOD	6	26	3
SM68a	5	6	25	3	<LOD	38	6	2	70	8	16	2	4346	43	12	2	125	4	<LOD	7	<LOD	3	39	2
SM68a	6	7	12	4	<LOD	45	<LOD	6	122	11	17	3	5339	63	10	2	211	6	<LOD	9	<LOD	3	44	3
SM68a	7	8	17	3	<LOD	42	7	2	97	9	19	2	5325	56	8	2	124	4	<LOD	8	<LOD	3	43	2
SM68a	8	9	33	3	<LOD	37	7	2	98	9	25	2	6910	62	14	2	254	5	33	3	3	1	86	3
SM68a	9	10	13	3	<LOD	42	<LOD	5	84	8	<LOD	6	3733	43	7	2	77	4	<LOD	7	<LOD	3	37	2
SM68a	10	11	21	3	<LOD	37	5	2	103	8	16	2	4200	41	7	1	63	3	<LOD	7	<LOD	3	35	2
SM68a	11	12	<LOD	12	<LOD	55	<LOD	7	53	12	<LOD	8	5009	71	7	2	474	11	24	4	<LOD	5	73	4
SM68a	12	13	<LOD	10	<LOD	44	<LOD	6	96	11	<LOD	6	6456	71	<LOD	5	51	4	<LOD	9	<LOD	3	33	2
SM68a	13	14	11	2	<LOD	35	<LOD	4	57	6	6	2	2649	25	4	1	25	2	<LOD	5	<LOD	3	28	2
SM68a	14	15	19	3	<LOD	40	7	2	90	8	11	2	3771	39	9	2	49	3	9	2	<LOD	3	45	2
SM68a	15	16	18	3	<LOD	39	5	2	68	7	<LOD	6	3392	35	5	1	88	3	10	2	<LOD	3	33	2
SM68a	16	17	14	4	<LOD	62	<LOD	7	44	9	10	3	2265	40	11	2	37	4	<LOD	9	<LOD	4	25	3
SM68a	17	18	<LOD	9	<LOD	52	<LOD	5	<LOD	20	<LOD	7	1832	28	6	2	12	3	<LOD	7	<LOD	4	19	2
SM68a	18	19	<LOD	7	<LOD	38	<LOD	4	53	6	<LOD	5	2373	26	<LOD	4	29	2	<LOD	6	<LOD	3	25	2
SM68a	19	20	10	3	<LOD	36	6	1	71	6	<LOD	5	3117	30	4	1	21	2	<LOD	6	<LOD	3	30	2
SM68a	20	21	<LOD	17	<LOD	82	<LOD	11	64	18	<LOD	13	5877	127	<LOD	10	59	7	<LOD	15	<LOD	7	42	4
SM68a	21	22	30	4	<LOD	46	9	2	170	13	22	3	8758	98	11	2	77	5	11	4	<LOD	4	79	3
SM68a	22	23	<LOD	17	<LOD	54	<LOD	10	168	21	<LOD	9	15832	212	<LOD	7	466	12	<LOD	15	<LOD	7	48	3
SM68a	23	24	11	3	<LOD	37	7	2	51	7	5	2	3329	33	<LOD	4	240	5	<LOD	6	<LOD	3	36	2
SM68a	24	25	13	3	<LOD	38	9	2	65	7	<LOD	5	3494	35	<LOD	4	187	5	<LOD	6	<LOD	3	42	2
SM68a	25	26	16	3	<LOD	41	<LOD	5	92	9	<LOD	6	4605	48	<LOD	4	225	6	<LOD	8	<LOD	4	40	2
SM68a	26	27	15	3	<LOD	41	<LOD	6	96	10	<LOD	6	5520	58	<LOD	4	169	5	<LOD	8	<LOD	4	39	2
SM68a	27	28	10	3	<LOD	40	<LOD	5	75	8	8	2	3862	40	<LOD	4	103	4	<LOD	7	<LOD	4	41	2
SM68a	28	29	22	3	<LOD	39	7	2	85	8	6	2	3746	39	11	2	51	3	<LOD	7	<LOD	3	44	2
SM68a	29	30	12	3	<LOD	38	7	2	71	7	7	2	3696	37	5	1	51	3	<LOD	6	<LOD	3	36	2
SM68a	30	31	23	3	<LOD	38	7	2	71	7	21	2	3074	31	8	1	24	2	<LOD	6	4	1	34	2
SM68a	31	32	19	3	<LOD	38	<LOD	4	54	6	13	2	2913	30	5	1	29	2	7	2	<LOD	3	38	2
SM68a	32	33	23	3	<LOD	40	9	2	91	8	27	2	3766	39	13	2	23	3	<LOD	7	<LOD	3	42	2
SM68a	33	34	13	3	<LOD	37	<LOD	4	46	6	9	2	2542	26	<LOD	4	16	2	<LOD	6	<LOD	3	23	2
SM68a	34	35	25	3	<LOD	39	5	2	94	7	18	2	3432	35	11	2	42	3	9	2	<LOD	3	64	3
SM68a	35	36	17	3	<LOD	39	8	2	100	8	17	2	4125	42	5	1	43	3	<LOD	7	<LOD	3	35	2
SM68a	36	37	14	3	<LOD	39	7	2	55	6	9	2	2910	30	<LOD	4	41	3	<LOD	6	<LOD	4	33	2
SM68b	0	25																						
SM68b	25	26	20	3	<LOD	40	<LOD	5	123	9	20	2	4798	49	6	2	58	3	<LOD	7	3	1	59	3
SM68b	26	27	21	3	<LOD	40	<LOD	5	81	8	9	2	4416	45	<LOD	4	102	4	8	2	<LOD	3	42	2
SM68b	27	28	13	3	<LOD	36	5	1	49	6	<LOD	5	2903	29	5	1	176	4	<LOD	6	<LOD	2	27	2
SM68b	28	29	14	3	<LOD	39	<LOD	5	117	9	8	2	6010	59	<LOD	4	314	6	<LOD	8	<LOD	3	24	2
SM68b	29	30	7	2	<LOD	36	<LOD	4	85	6	7	2	2709	27	7	1	71	3	<LOD	6	<LOD	3	35	2
SM68b	30	31	19	3	<LOD	40	6	2	93	7	12	2	3548	37	4	1	58	3	<LOD	7	<LOD	3	46	2
SM68b	31	32	12	2	<LOD	36	5	1	74	6	7	2	2935	28	<LOD	4	49	3	<LOD	6	<LOD	3	28	2
SM68b	32	33	10	2	<LOD	38	<LOD	4	61	6	<LOD	5	2566	27	<LOD	4	33	2	<LOD	6	<LOD	3	32	2
SM68b	33	34	15	3	<LOD	37	<LOD	4	63	6	<LOD	5	2510	26	<LOD	4	49	3	<LOD	6	<LOD	2	29	2
SM68b	34	35	11	2	<LOD	35	<LOD	4	87	6	17	2	2285	23	13	1	13	2	<LOD	5	3	1	41	2
SM68b	35	36	12	2	<LOD	36	4	1	95	6	19	2	2853	28	8	1	33	2	<LOD	6	4	1	37	2
SM68b	36	37	12	2	<LOD	37	<LOD	4	57	5	9	2	2024	21	6	1	79	3	<LOD	5	<LOD	3	32	2
SM68b	37	38	<LOD	9	<LOD	40	<LOD	6	113	10	7	2	6254	64	<LOD	4	362	7	<LOD	8	<LOD	3	23	2
SM68b	38	39	11	3	<LOD	40	<LOD	5	94	8	8	2	4120	44	7	2	253	6	<LOD	7	<LOD	3	29	2
SM68b	39	40	9	2	<LOD	38	<LOD	4	66	6	6	2	2765	28	<LOD	4	55	3	<LOD	6	<LOD	3	32	2
SM68b	40	41	14	3	<LOD	40	7	2	170	11	10	2	7563	76	<LOD	4	120	5	<LOD	9	3	1	34	2
SM68b	41	42	13	3	<LOD	36	8	2	77	6	11	2	3125	31	5	1	56	3	<LOD	6	<LOD	2	36	2
SM68b	42	43	22	3	<LOD	37	6	1	56	6	22	2	2297	24	10	1	24	2	7	2	<LOD	3	51	2

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM68b	43	44	19	3	<LOD	39	8	2	57	6	29	2	2333	25	9	1	25	2	9	2	3	1	47	2
SM68b	44	45	20	3	<LOD	39	<LOD	5	96	8	29	2	4047	42	8	2	39	3	<LOD	7	<LOD	3	52	2
SM68b	45	46	22	3	<LOD	40	8	2	126	9	18	2	5316	54	13	2	91	4	<LOD	8	<LOD	3	51	2
SM68b	46	47	14	3	<LOD	39	6	2	72	7	24	2	3483	35	10	2	38	3	8	2	3	1	41	2
SM68b	47	48	20	3	<LOD	38	<LOD	5	82	7	22	2	3763	37	8	1	70	3	8	2	3	1	50	2
SM68b	48	49	23	3	<LOD	40	<LOD	5	102	8	25	2	4215	43	10	2	77	4	<LOD	7	<LOD	3	44	2
SM68b	49	50	19	3	<LOD	38	6	2	90	7	20	2	3780	38	12	2	59	3	<LOD	7	4	1	50	2
SM68b	50	51	18	4	46	15	9	3	204	15	18	3	11710	127	12	2	337	8	<LOD	11	<LOD	4	41	3
SM68b	51	52	11	3	<LOD	41	<LOD	5	87	9	11	2	5213	54	5	2	116	4	<LOD	8	<LOD	3	38	2
SM68b	52	53	17	3	<LOD	38	6	2	105	7	25	2	3680	37	9	2	40	3	8	2	<LOD	3	56	2
SM68b	53	54	20	3	<LOD	40	7	2	116	8	24	2	4140	42	7	2	84	4	<LOD	7	4	1	53	2
SM68b	54	55	20	3	<LOD	39	7	2	108	8	19	2	4753	47	13	2	94	4	9	3	4	1	54	2
SM68b	55	56	9	3	<LOD	40	<LOD	4	68	7	8	2	2683	29	<LOD	4	38	3	<LOD	6	<LOD	3	21	2
SM68b	56	57	14	3	<LOD	38	<LOD	4	75	7	7	2	3546	35	<LOD	4	27	3	<LOD	6	<LOD	3	30	2
SM68b	57	58	<LOD	8	<LOD	38	4	1	73	6	8	2	2807	29	<LOD	4	36	3	<LOD	6	<LOD	3	29	2
SM68b	58	59	11	3	<LOD	38	5	1	63	6	7	2	2517	26	<LOD	4	28	2	<LOD	6	<LOD	3	32	2
SM68b	59	60	17	3	<LOD	40	7	2	176	9	16	2	5052	51	5	1	35	3	<LOD	8	4	1	52	2
SM68b	60	61	<LOD	7	<LOD	38	<LOD	4	57	6	<LOD	5	2497	26	<LOD	4	21	2	<LOD	6	<LOD	3	31	2
SM68b	61	62	11	2	<LOD	38	7	1	68	6	6	2	2731	28	<LOD	4	10	2	<LOD	6	<LOD	3	34	2
SM68b	62	63	26	3	<LOD	39	6	2	96	8	26	2	3971	41	10	2	43	3	10	2	<LOD	3	58	3
SM68b	63	64	12	3	<LOD	37	5	1	77	6	20	2	2927	30	8	2	10	2	<LOD	6	<LOD	5	44	2
SM68b	64	65	<LOD	8	<LOD	43	<LOD	5	41	6	<LOD	7	1805	22	<LOD	6	12	2	<LOD	7	<LOD	11	21	2
SM68b	65	66	<LOD	6	<LOD	37	<LOD	3	20	3	<LOD	5	652	9	<LOD	4	6	1	<LOD	4	<LOD	6	14	1
SM68b	66	67	<LOD	10	<LOD	45	<LOD	6	91	11	<LOD	8	6600	75	<LOD	6	350	8	<LOD	9	<LOD	12	29	3
SM68b	67	68	12	3	<LOD	40	5	2	50	6	<LOD	6	2611	29	<LOD	5	139	4	<LOD	6	<LOD	6	31	2
SM68b	68	69	9	2	<LOD	38	<LOD	4	46	5	<LOD	5	1854	21	<LOD	4	30	2	<LOD	5	<LOD	5	21	2
SM68b	69	70	8	2	<LOD	37	<LOD	4	50	5	<LOD	5	1966	21	5	1	27	2	<LOD	5	<LOD	5	21	2
SM68b	70	71	<LOD	7	<LOD	37	<LOD	4	47	5	<LOD	5	1703	18	<LOD	4	21	2	<LOD	5	<LOD	5	24	2
SM68b	71	72	15	3	<LOD	37	<LOD	4	47	5	<LOD	5	1823	20	<LOD	4	55	3	<LOD	6	<LOD	5	25	2
SM68b	72	73	<LOD	10	<LOD	43	<LOD	6	137	11	<LOD	7	5947	66	<LOD	6	168	5	<LOD	9	<LOD	9	26	2
SM68b	73	74	11	3	<LOD	39	<LOD	5	75	7	<LOD	6	2798	30	<LOD	5	54	3	<LOD	6	<LOD	6	31	2
SM68b	74	75	13	2	<LOD	37	<LOD	4	57	5	<LOD	5	2074	22	<LOD	4	33	2	<LOD	5	<LOD	3	21	2
SM68b	75	76	21	3	<LOD	40	<LOD	5	94	7	11	2	3039	32	11	2	33	3	<LOD	7	<LOD	4	35	2
SM68b	76	77	11	2	<LOD	37	<LOD	4	48	5	6	2	1942	20	6	1	19	2	<LOD	5	<LOD	3	25	2
SM68b	77	78	20	3	<LOD	37	7	1	80	6	22	2	2415	25	11	2	28	2	6	2	6	1	53	2
SM68b	78	79	11	3	<LOD	39	<LOD	5	80	7	9	2	3566	37	<LOD	4	63	3	<LOD	6	<LOD	3	27	2
SM68b	79	80	12	2	<LOD	37	<LOD	4	63	6	6	2	2359	25	5	1	23	2	<LOD	6	<LOD	3	24	2
SM68b	80	81	13	2	<LOD	37	6	1	55	5	15	2	1886	20	5	1	15	2	6	2	<LOD	3	28	2
SM68b	81	82	12	3	<LOD	39	<LOD	5	88	7	21	2	3310	35	8	2	44	3	<LOD	7	<LOD	3	44	2
SM68b	82	83	15	2	<LOD	37	5	1	60	5	23	2	2030	22	9	1	23	2	6	2	<LOD	3	46	2
SM68b	83	84	13	3	<LOD	40	7	2	90	8	20	2	4112	42	8	2	106	4	<LOD	7	<LOD	3	29	2
SM68b	84	85	19	3	<LOD	39	<LOD	5	77	7	25	2	3434	36	7	1	44	3	<LOD	7	<LOD	3	45	2
SM68b	85	86	20	3	<LOD	38	6	2	84	7	18	2	3409	34	<LOD	4	36	3	<LOD	6	<LOD	3	37	2
SM68b	86	87	21	3	<LOD	37	<LOD	4	37	5	21	2	2231	23	5	1	30	2	6	2	<LOD	3	44	2
SM68b	87	88	24	3	<LOD	38	8	2	80	7	29	2	3357	34	10	2	38	3	9	2	<LOD	3	46	2
SM68b	88	89	14	3	<LOD	41	9	2	91	8	22	2	4073	43	7	2	67	3	<LOD	7	<LOD	3	43	2
SM68b	89	90	18	4	<LOD	45	<LOD	6	121	11	12	2	6663	74	<LOD	5	163	5	<LOD	9	<LOD	3	36	2
SM68b	90	91	21	3	<LOD	44	<LOD	5	75	8	23	2	3102	36	6	2	37	3	<LOD	7	<LOD	3	46	2
SM68b	91	92	22	3	<LOD	41	7	2	81	8	16	2	3862	41	8	2	49	3	<LOD	7	4	1	37	2

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM68b	92	93	19	3	<LOD	40	8	2	81	7	21	2	3712	38	12	2	43	3	<LOD	7	<LOD	3	39	2
SM68b	93	94	19	3	<LOD	39	5	2	68	7	9	2	3376	36	<LOD	4	59	3	<LOD	7	<LOD	3	42	2
SM68b	94	95	17	3	<LOD	43	<LOD	5	62	8	13	2	3306	38	<LOD	4	89	4	<LOD	7	<LOD	3	26	2
SM68b	95	96	<LOD	10	<LOD	49	<LOD	5	47	8	17	3	2795	37	<LOD	5	116	5	<LOD	8	<LOD	4	21	2
SM68b	96	97	16	4	<LOD	56	8	2	38	9	14	3	2811	44	<LOD	6	63	4	<LOD	8	<LOD	4	25	3
SM68b	97	98	12	3	<LOD	49	6	2	82	8	41	3	2580	34	8	2	39	3	<LOD	7	<LOD	3	35	2
SM68b	98	99	11	3	<LOD	45	<LOD	5	43	6	28	3	1689	22	13	2	22	2	22	3	<LOD	4	49	3
SM68b	99	100	14	3	<LOD	46	<LOD	5	69	8	18	2	2964	37	8	2	30	3	<LOD	7	4	1	33	2
SM68b	100	101	11	3	<LOD	47	<LOD	5	98	8	24	3	3100	39	8	2	39	3	<LOD	8	<LOD	4	50	3
SM68b	101	102	<LOD	9	<LOD	47	<LOD	5	75	8	14	2	3111	38	6	2	43	3	8	3	<LOD	3	33	2
SM68b	102	103	25	4	<LOD	47	<LOD	6	81	8	26	3	3179	40	9	2	43	3	<LOD	8	<LOD	3	43	3
SM68b	103	104	17	3	<LOD	47	<LOD	5	84	8	13	2	2821	35	<LOD	5	43	3	<LOD	7	<LOD	3	25	2
SM68b	104	105	<LOD	9	<LOD	48	<LOD	5	32	6	10	2	1878	26	<LOD	5	68	4	<LOD	7	<LOD	3	29	2
SM68b	105	106	12	3	<LOD	45	<LOD	5	56	7	<LOD	6	2299	29	5	2	59	3	<LOD	7	<LOD	3	25	2
SM68b	106	107	11	3	<LOD	48	<LOD	5	66	7	10	2	2208	29	<LOD	5	28	3	<LOD	7	<LOD	4	30	2
SM68b	107	108	16	3	<LOD	48	<LOD	5	63	7	12	2	2442	32	<LOD	5	17	3	<LOD	7	<LOD	3	36	2
SM68b	108	109	10	3	<LOD	46	<LOD	5	68	7	7	2	2362	30	<LOD	5	46	3	<LOD	7	<LOD	3	27	2
SM68b	109	110	13	3	<LOD	48	<LOD	5	67	8	<LOD	7	2703	36	<LOD	5	28	3	<LOD	7	<LOD	3	31	2
SM68b	110	111	<LOD	11	<LOD	52	<LOD	6	92	10	10	3	3844	52	<LOD	5	61	4	<LOD	8	<LOD	4	22	2
SM68b	111	112	<LOD	9	<LOD	49	8	2	44	8	<LOD	7	2634	35	<LOD	5	34	3	<LOD	7	<LOD	4	33	2
SM68b	112	113	<LOD	11	<LOD	52	7	2	94	10	12	3	3707	50	7	2	37	4	<LOD	9	<LOD	4	26	2
SM68b	113	114	11	3	<LOD	47	6	2	88	9	9	2	3401	43	<LOD	5	37	3	<LOD	8	<LOD	3	28	2
SM68b	114	115	11	3	<LOD	42	10	2	45	5	20	2	1597	20	7	2	18	2	<LOD	6	<LOD	3	30	2
SM68b	115	116	10	3	<LOD	45	<LOD	5	89	8	11	2	2912	36	6	2	32	3	<LOD	7	<LOD	3	26	2
SM68b	116	117	15	3	<LOD	47	5	2	63	7	17	3	2460	32	<LOD	5	20	3	<LOD	7	<LOD	4	42	3
SM68b	117	118	24	4	<LOD	52	<LOD	6	72	9	18	3	2730	39	11	2	36	4	<LOD	8	<LOD	4	34	3
SM68b	118	119	13	3	<LOD	49	6	2	67	8	12	2	3014	39	<LOD	5	33	3	<LOD	8	<LOD	3	29	2
SM68b	119	120	15	3	<LOD	49	<LOD	6	64	8	8	2	2639	35	<LOD	5	40	3	<LOD	8	<LOD	3	20	2
SM68b	120	121	20	4	<LOD	48	7	2	69	9	27	3	3568	45	8	2	35	3	<LOD	8	<LOD	4	32	2
SM68b	121	122	15	4	<LOD	51	<LOD	7	107	11	13	3	4553	59	<LOD	5	100	5	<LOD	9	<LOD	3	27	2
SM68b	122	123	13	4	<LOD	54	<LOD	7	80	12	<LOD	8	5357	73	<LOD	6	252	8	<LOD	10	<LOD	4	15	2
SM68b	123	124																						
SM68b	124	125																						
SM68b	125	126																						
SM68b	126	127																						
SM68b	127	128																						
SM68b	128	129																						
SM68b	129	130																						
SM68b	130	131																						
SM68b	131	132																						
SM68b	132	133																						
SM68b	133	134																						
SM68b	134	135																						
SM68c	0	50																						
SM68c	50	51																						
SM68c	51	53.5																						
SM68c	53.5	55																						
SM68c	55	57.5																						
SM68c	57.5	60																						
SM68c	60	62.5																						
SM68c	62.5	65																						
SM68c	65	67.5																						
SM68c	67.5	70																						
SM68c	70	72.5																						
SM68c	72.5	75																						
SM68c	75	77.5																						
SM68c	77.5	80																						
SM68c	80	82.5																						
SM68c	82.5	85																						
SM68c	85	87.5																						
SM68c	87.5	90																						
SM68c	90	92.5																						

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM68c	92.5	95																						
SM68c	95	97.5																						
SM68c	97.5	100																						
SM68c	100	102.5																						
SM68c	102.5	105																						
SM68c	105	107.5																						
SM68c	107.5	110																						
SM68c	110	112.5																						
SM68c	112.5	115																						
SM68c	115	117.5																						
SM68c	117.5	120																						
SM68c	120	122																						
SM68c	122	125																						
SM68c	125	127.5																						
SM68c	127.5	130																						
SM68c	130	132.5																						
SM68c	132.5	135																						
SM68c	135	136																						
SM68c	136	137																						
SM68c	137	138																						
SM68c	138	139																						
SM68c	139	140																						
SM68c	140	141																						
SM68c	141	142																						
SM68c	142	143																						
SM68c	143	144																						
SM68c	144	145																						
SM68c	145	146																						
SM68c	146	147																						
SM68c	147	148																						
SM68c	148	149																						
SM68c	149	150																						
SM68c	150	151																						
SM68c	151	152																						
SM68c	152	153																						
SM68c	153	154																						
SM68c	154	155																						
SM70a	0	1	10	3	<LOD	39	6	2	63	6	16	2	2537	27	5	1	37	3	<LOD	6	<LOD	3	27	2
SM70a	1	2	15	3	<LOD	40	<LOD	5	72	7	10	2	3315	35	5	1	49	3	<LOD	7	<LOD	3	31	2
SM70a	2	3	9	3	<LOD	41	<LOD	4	30	5	<LOD	5	1565	19	8	2	13	2	<LOD	5	<LOD	3	21	2
SM70a	3	4	10	2	<LOD	35	<LOD	4	33	5	6	2	1814	19	5	1	15	2	<LOD	5	<LOD	2	16	1
SM70a	4	5	<LOD	7	<LOD	37	<LOD	3	31	5	<LOD	5	1558	18	<LOD	4	7	2	<LOD	5	<LOD	2	10	1
SM70a	5	6	8	2	<LOD	39	<LOD	4	43	5	6	2	1686	19	<LOD	4	19	2	<LOD	5	<LOD	3	16	1
SM70a	6	7	<LOD	11	<LOD	61	<LOD	6	36	7	<LOD	9	1177	23	9	2	10	3	<LOD	7	<LOD	5	12	2
SM70a	7	8	10	2	<LOD	36	<LOD	4	39	5	<LOD	5	1767	19	5	1	17	2	<LOD	5	<LOD	2	14	1
SM70a	8	9	9	2	<LOD	37	<LOD	4	31	4	<LOD	5	1482	16	5	1	12	2	<LOD	5	<LOD	2	13	1
SM70a	9	10	12	3	<LOD	43	<LOD	5	42	5	<LOD	6	1627	21	6	2	13	2	<LOD	5	<LOD	3	14	2
SM70a	10	11	<LOD	9	<LOD	51	<LOD	5	28	5	<LOD	7	1027	18	7	2	9	2	<LOD	6	<LOD	4	14	2
SM70a	11	12	<LOD	8	<LOD	48	<LOD	4	16	5	9	2	878	15	9	2	8	2	<LOD	6	<LOD	4	14	2
SM70a	12	13	10	2	<LOD	37	<LOD	4	36	5	<LOD	5	1719	18	<LOD	4	17	2	6	2	<LOD	2	18	1
SM70a	13	14	17	3	<LOD	38	7	2	46	7	11	2	3201	32	7	1	100	4	13	2	<LOD	3	35	2
SM70a	14	15	20	5	<LOD	55	<LOD	9	157	17	14	3	10392	141	<LOD	7	253	9	<LOD	13	<LOD	5	52	3
SM70a	15	16	19	3	<LOD	44	<LOD	6	24	8	13	2	3833	44	7	2	465	9	19	3	<LOD	4	60	3
SM70a	16	17	12	3	<LOD	40	<LOD	5	73	7	11	2	3223	35	12	2	69	3	<LOD	6	<LOD	4	28	2
SM70a	17	18	19	3	<LOD	42	7	2	82	9	22	2	4473	49	<LOD	5	114	4	<LOD	8	<LOD	4	51	3
SM70a	18	20																						
SM70a	20	22																						

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM70a	22	24																						
SM70a	24	26																						
SM70a	26	27																						
SM70a	27	28																						
SM70a	28	29																						
SM70a	29	30																						
SM70a	30	31																						
SM70a	31	32																						
SM70a	32	33	14	3	<LOD	38	6	2	115	8	20	2	4051	40	11	2	48	3	<LOD	7	<LOD	3	44	2
SM70a	33	34	13	3	<LOD	36	5	1	83	7	17	2	3194	31	9	1	22	2	9	2	3	1	41	2
SM70a	34	35	16	3	<LOD	36	<LOD	4	93	7	20	2	3460	33	9	1	13	2	<LOD	6	<LOD	3	40	2
SM70a	35	36	9	3	<LOD	38	<LOD	5	100	8	10	2	4518	44	<LOD	4	30	3	<LOD	7	<LOD	3	37	2
SM70a	36	37	15	3	<LOD	39	<LOD	5	82	7	24	2	3698	38	6	1	11	2	<LOD	7	<LOD	3	46	2
SM70a	37	38	17	3	<LOD	39	5	2	110	8	25	2	3996	40	10	2	52	3	<LOD	7	<LOD	3	48	2
SM70a	38	39	22	4	<LOD	41	<LOD	6	123	10	13	2	6253	65	<LOD	5	243	6	<LOD	9	<LOD	4	46	2
SM70a	39	40	17	4	<LOD	43	<LOD	7	147	13	8	2	10531	111	<LOD	5	585	10	<LOD	10	<LOD	4	54	3
SM70a	40	41	11	3	<LOD	37	<LOD	4	85	7	14	2	3652	36	4	1	180	4	8	2	<LOD	3	39	2
SM70a	41	42	20	3	<LOD	38	6	2	73	7	13	2	3068	31	6	1	38	3	6	2	<LOD	3	42	2
SM70a	42	43	16	3	<LOD	39	<LOD	5	101	8	9	2	4734	47	<LOD	4	74	3	<LOD	7	<LOD	3	33	2
SM70a	43	44	15	3	<LOD	37	<LOD	4	81	7	<LOD	5	3551	35	6	1	46	3	<LOD	6	<LOD	3	32	2
SM70a	44	45	12	3	<LOD	39	7	2	115	9	6	2	4974	49	<LOD	4	90	4	<LOD	7	<LOD	3	34	2
SM70a	45	46	14	3	<LOD	37	<LOD	4	84	7	13	2	3503	35	7	1	17	2	<LOD	6	<LOD	3	36	2
SM70a	46	47	17	3	<LOD	38	<LOD	5	113	8	19	2	4701	46	5	1	25	3	<LOD	7	<LOD	3	37	2
SM70a	47	48	16	3	<LOD	37	<LOD	5	64	7	8	2	3877	38	<LOD	4	269	5	8	2	<LOD	3	39	2
SM70a	48	49	13	3	<LOD	36	<LOD	4	47	6	<LOD	5	2887	28	<LOD	4	236	5	7	2	<LOD	3	34	2
SM70a	49	50	14	3	<LOD	38	6	2	71	7	15	2	3260	33	7	1	64	3	<LOD	6	<LOD	3	36	2
SM70a	50	51	20	3	<LOD	38	5	2	93	7	19	2	3199	32	8	1	27	2	<LOD	6	<LOD	3	32	2
SM70a	51	52	15	3	<LOD	38	<LOD	5	94	8	19	2	4000	40	7	1	30	3	<LOD	7	<LOD	3	38	2
SM70a	52	53	14	3	<LOD	39	9	2	106	8	9	2	4613	47	<LOD	4	66	3	<LOD	7	<LOD	3	34	2
SM70a	53	54	15	3	<LOD	40	<LOD	5	74	8	6	2	3864	40	<LOD	4	87	4	<LOD	7	<LOD	3	28	2
SM70a	54	55	13	3	<LOD	36	<LOD	4	72	6	8	2	2980	29	<LOD	4	23	2	<LOD	6	<LOD	3	27	2
SM70a	55	56	18	3	<LOD	43	<LOD	5	93	8	14	2	3572	41	6	2	31	3	<LOD	7	<LOD	3	31	2
SM70a	56	57	19	3	<LOD	39	6	2	65	7	19	2	3412	35	8	2	49	3	<LOD	7	<LOD	3	52	2
SM70a	57	58	21	3	<LOD	39	6	2	111	9	21	2	4953	50	8	2	38	3	<LOD	7	<LOD	3	49	2
SM70a	58	59	18	3	<LOD	37	6	2	110	8	22	2	3945	39	7	1	24	3	<LOD	7	<LOD	3	40	2
SM70a	59	60	20	3	<LOD	38	<LOD	5	108	8	22	2	4388	44	7	1	39	3	<LOD	7	<LOD	3	47	2
SM70a	60	61	17	3	<LOD	42	<LOD	6	119	10	17	2	6073	64	9	2	120	5	<LOD	8	<LOD	3	52	3
SM70a	61	62	16	3	<LOD	39	7	2	72	7	13	2	3722	38	9	2	30	3	<LOD	7	<LOD	3	38	2
SM70a	62	63	12	3	<LOD	37	4	1	98	7	9	2	3163	31	6	1	12	2	<LOD	6	<LOD	3	35	2
SM70a	63	64	25	3	<LOD	39	8	2	100	8	20	2	3820	38	7	1	26	3	8	2	<LOD	3	53	2
SM70a	64	65	14	3	<LOD	39	6	2	104	8	8	2	4202	42	6	1	43	3	<LOD	7	<LOD	3	38	2
SM70a	65	66	14	3	<LOD	38	6	2	92	7	9	2	3577	36	4	1	27	3	<LOD	6	<LOD	3	25	2
SM70a	66	67	8	3	<LOD	37	7	1	69	6	7	2	3061	30	5	1	25	2	<LOD	6	<LOD	3	25	2
SM70a	67	68	17	3	<LOD	37	5	1	62	6	9	2	2815	29	4	1	16	2	<LOD	6	<LOD	3	35	2
SM70a	68	69	15	3	<LOD	37	7	2	63	6	9	2	2877	29	5	1	25	2	<LOD	6	<LOD	3	40	2
SM70a	69	70	10	3	<LOD	39	6	2	62	7	<LOD	5	3173	33	<LOD	4	31	3	<LOD	6	<LOD	3	24	2

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM70a	70	71	14	3	<LOD	40	5	2	86	8	7	2	3750	39	5	1	37	3	<LOD	7	<LOD	3	25	2
SM70a	71	72	18	3	<LOD	38	6	2	90	7	22	2	3605	36	7	1	36	3	<LOD	6	<LOD	3	38	2
SM70a	72	73	24	3	<LOD	38	8	2	94	7	24	2	3809	38	10	2	18	3	8	2	4	1	54	2
SM70a	73	74	22	3	<LOD	39	<LOD	5	79	8	24	2	3886	40	7	2	17	3	8	2	4	1	44	2
SM70a	74	75	15	3	<LOD	38	9	2	75	7	13	2	3709	37	5	1	39	3	7	2	<LOD	3	35	2
SM70a	75	76	18	3	<LOD	39	<LOD	5	57	7	16	2	2815	30	10	2	126	4	<LOD	6	<LOD	3	37	2
SM70a	76	77	15	3	<LOD	38	7	2	54	7	7	2	3190	32	4	1	71	3	<LOD	6	<LOD	3	31	2
SM70a	77	78	10	3	<LOD	38	6	2	66	7	<LOD	5	3256	33	<LOD	4	36	3	<LOD	6	<LOD	3	27	2
SM70a	78	79	16	3	<LOD	37	6	1	47	6	6	2	2427	25	<LOD	4	35	2	7	2	<LOD	3	23	2
SM70a	79	80	13	3	<LOD	38	<LOD	4	35	5	5	2	2142	23	<LOD	4	29	2	7	2	<LOD	3	18	2
SM70a	80	81	9	3	<LOD	39	5	1	47	6	6	2	2267	24	<LOD	4	26	2	<LOD	6	<LOD	3	29	2
SM70a	81	82	9	3	<LOD	38	5	1	55	6	9	2	2435	25	<LOD	4	23	2	<LOD	6	<LOD	3	26	2
SM70a	82	83	12	3	<LOD	37	4	1	53	6	8	2	2735	28	<LOD	4	38	3	<LOD	6	<LOD	3	28	2
SM70a	83	84	10	2	<LOD	36	5	1	42	5	6	2	2038	21	<LOD	3	22	2	6	2	<LOD	2	22	2
SM70a	84	85	10	3	<LOD	39	8	2	64	7	7	2	3165	33	<LOD	4	32	3	<LOD	6	<LOD	3	30	2
SM70a	85	86	20	3	<LOD	37	<LOD	4	52	6	9	2	2382	24	<LOD	4	33	2	7	2	<LOD	3	31	2
SM70a	86	87	22	3	<LOD	38	6	2	80	7	21	2	3661	37	8	2	48	3	10	2	<LOD	3	52	2
SM70a	87	88	24	3	<LOD	39	5	2	78	7	27	2	3326	34	10	2	36	3	10	2	<LOD	4	46	2
SM70a	88	89	20	3	<LOD	40	7	2	82	8	14	2	3954	42	<LOD	5	51	3	<LOD	7	<LOD	6	45	2
SM70a	89	90	<LOD	9	<LOD	41	<LOD	5	61	7	<LOD	7	3420	37	<LOD	6	28	3	<LOD	7	<LOD	9	24	3
SM70a	90	91	19	3	<LOD	37	5	1	35	5	18	2	1774	19	8	2	18	2	9	2	<LOD	6	27	2
SM70a	91	92	19	3	<LOD	40	7	2	74	8	24	2	3717	39	9	2	64	3	<LOD	7	6	2	51	3
SM70a	92	93	18	3	<LOD	39	9	2	95	7	25	2	3639	37	7	2	33	3	<LOD	7	<LOD	3	44	2
SM70a	93	94	22	3	<LOD	43	7	2	91	8	20	2	3690	42	7	2	49	3	<LOD	7	<LOD	4	48	3
SM70a	94	95	15	3	<LOD	40	7	2	62	7	19	2	3400	36	5	1	46	3	<LOD	7	<LOD	3	36	2
SM70a	95	96	12	3	<LOD	40	5	2	62	7	7	2	3046	32	<LOD	4	50	3	<LOD	6	<LOD	3	30	2
SM70b	0	30																						
SM70b	30	31	18	3	<LOD	41	<LOD	5	150	9	57	3	5221	54	<LOD	4	119	4	<LOD	8	<LOD	4	29	2
SM70b	31	32	12	3	<LOD	38	8	2	78	7	8	2	3562	36	<LOD	4	47	3	<LOD	6	<LOD	3	29	2
SM70b	32	33	23	3	<LOD	36	4	1	66	6	19	2	3133	30	12	1	36	3	12	2	<LOD	3	48	2
SM70b	33	34	16	3	<LOD	38	<LOD	4	83	7	6	2	3254	33	9	1	64	3	<LOD	6	<LOD	3	37	2
SM70b	34	35	20	3	<LOD	41	<LOD	5	68	7	10	2	3064	34	8	2	57	3	<LOD	7	<LOD	3	40	2
SM70b	35	36	22	3	<LOD	38	5	2	94	8	13	2	4221	41	7	1	207	5	<LOD	7	3	1	57	2
SM70b	36	37	25	3	<LOD	39	<LOD	5	128	9	24	2	5356	54	5	1	111	4	<LOD	8	<LOD	3	47	2
SM70b	37	38	20	3	<LOD	39	<LOD	5	132	9	14	2	5474	54	7	2	159	5	<LOD	8	<LOD	3	45	2
SM70b	38	39	22	3	<LOD	37	8	2	74	7	14	2	3907	38	9	1	141	4	9	2	<LOD	3	44	2
SM70b	39	40	13	3	<LOD	38	5	2	76	8	14	2	4218	41	7	1	158	4	10	2	<LOD	3	46	2
SM70b	40	41	18	3	<LOD	37	<LOD	5	98	7	10	2	3959	39	8	1	112	4	<LOD	7	<LOD	3	38	2
SM70b	41	42	29	3	<LOD	40	<LOD	5	115	9	14	2	4956	50	9	2	123	4	9	3	<LOD	3	59	3
SM70b	42	43	13	3	<LOD	36	<LOD	4	75	6	15	2	2826	28	8	1	41	3	7	2	3	1	38	2
SM70b	43	44	18	3	<LOD	38	5	2	102	8	17	2	4328	43	9	2	60	3	<LOD	7	3	1	53	2
SM70b	44	45	8	3	<LOD	38	<LOD	4	70	7	7	2	3490	34	<LOD	3	33	3	<LOD	6	<LOD	3	22	2
SM70b	45	46	13	3	<LOD	40	<LOD	5	72	7	<LOD	6	2732	30	7	2	65	3	<LOD	6	<LOD	3	28	2

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM70b	46	47	17	3	<LOD	37	8	2	93	7	16	2	3598	35	9	1	24	2	<LOD	6	<LOD	3	39	2
SM70b	47	48	20	3	<LOD	38	6	2	87	7	18	2	3499	35	10	2	48	3	<LOD	6	<LOD	3	38	2
SM70b	48	49	12	3	<LOD	35	6	1	79	6	10	2	2853	28	6	1	66	3	<LOD	6	<LOD	2	35	2
SM70b	49	50	12	3	<LOD	36	5	1	87	7	10	2	3594	35	5	1	19	2	<LOD	6	<LOD	3	24	2
SM70b	50	51	14	3	<LOD	38	<LOD	5	130	9	13	2	5509	53	5	1	36	3	<LOD	8	<LOD	3	34	2
SM70b	51	52	24	3	<LOD	36	5	1	62	6	13	2	2682	27	9	1	11	2	6	2	<LOD	2	21	2
SM70b	52	53	20	3	<LOD	38	6	2	82	7	18	2	3473	35	9	2	31	3	<LOD	7	<LOD	3	54	2
SM70b	53	54	24	3	<LOD	37	7	2	84	7	19	2	3761	37	6	1	22	3	7	2	<LOD	3	43	2
SM70b	54	55	14	3	<LOD	41	6	2	75	8	15	2	3496	38	5	2	15	3	<LOD	7	<LOD	3	40	2
SM70b	55	56	22	3	<LOD	40	7	2	74	8	16	2	4053	42	6	2	17	3	<LOD	7	<LOD	3	42	2
SM70b	56	57	17	3	<LOD	37	5	1	69	7	10	2	3375	33	5	1	21	2	7	2	<LOD	3	38	2
SM70b	57	58	14	3	<LOD	39	8	2	53	8	9	2	5002	50	<LOD	4	298	6	8	2	<LOD	3	29	2
SM70b	58	59	16	3	<LOD	41	<LOD	5	107	9	9	2	4517	48	<LOD	4	67	4	<LOD	7	<LOD	4	26	2
SM70b	59	60	19	4	<LOD	40	<LOD	6	148	11	11	2	7015	71	<LOD	5	104	4	<LOD	8	<LOD	3	33	2
SM70b	60	61	14	3	<LOD	42	11	2	59	8	<LOD	6	4163	44	<LOD	4	79	4	<LOD	7	<LOD	3	32	2
SM70b	61	62	22	3	<LOD	41	<LOD	5	84	9	8	2	4734	49	<LOD	4	45	3	<LOD	8	<LOD	3	37	2
SM70b	62	63	18	3	<LOD	39	5	2	115	8	17	2	4564	46	6	1	58	3	8	3	<LOD	3	36	2
SM70b	63	64	12	3	<LOD	39	<LOD	5	85	8	9	2	4451	45	6	1	94	4	<LOD	7	<LOD	3	30	2
SM70b	64	65	13	3	<LOD	42	9	2	85	9	10	2	4589	49	<LOD	4	190	5	<LOD	7	<LOD	3	27	2
SM70b	65	66	17	3	<LOD	40	<LOD	5	55	7	9	2	3112	34	<LOD	4	220	5	<LOD	6	<LOD	3	34	2
SM70b	66	67	23	3	<LOD	37	7	2	89	7	21	2	3296	33	8	1	62	3	8	2	5	1	41	2
SM70b	67	68	<LOD	12	<LOD	45	10	3	139	14	13	3	11307	124	<LOD	5	449	9	<LOD	11	<LOD	4	34	2
SM70b	68	69	24	3	<LOD	38	9	2	85	7	16	2	3861	39	8	2	59	3	7	2	4	1	42	2
SM70b	69	70	20	3	<LOD	41	5	2	80	9	21	2	4679	49	9	2	114	4	<LOD	7	<LOD	3	44	2
SM70b	70	71	27	3	<LOD	42	<LOD	6	109	9	32	3	4972	52	10	2	53	3	9	3	6	1	48	2
SM70b	71	72	21	3	<LOD	40	6	2	66	7	19	2	3513	37	11	2	46	3	9	2	3	1	55	2
SM70b	72	73	18	3	<LOD	39	<LOD	5	72	8	8	2	4141	42	4	1	99	4	<LOD	7	<LOD	3	34	2
SM70b	73	74	20	3	<LOD	40	6	2	68	8	22	2	3806	40	5	1	78	4	<LOD	7	<LOD	3	42	2
SM70b	74	75	21	3	<LOD	41	6	2	93	9	17	2	4758	50	10	2	82	4	<LOD	8	5	1	77	3
SM70b	75	76	16	3	<LOD	41	6	2	68	8	8	2	3663	40	6	2	65	3	<LOD	7	<LOD	3	30	2
SM70b	76	77	12	3	<LOD	44	<LOD	6	111	11	9	2	5803	66	8	2	149	5	<LOD	8	<LOD	4	43	2
SM70b	77	78	21	3	<LOD	41	<LOD	5	105	9	24	2	5458	57	6	2	140	5	<LOD	8	<LOD	3	52	2
SM70b	78	79	21	3	<LOD	39	<LOD	5	91	8	24	2	3889	40	9	2	89	4	<LOD	7	<LOD	3	60	2
SM70b	79	80	<LOD	8	<LOD	40	7	2	87	7	<LOD	6	3405	36	<LOD	4	53	3	<LOD	6	<LOD	3	24	2
SM70b	80	81	10	3	<LOD	48	<LOD	5	82	8	34	3	2813	36	10	2	46	3	<LOD	8	<LOD	4	40	3
SM70b	81	82	16	3	<LOD	45	<LOD	5	64	7	33	3	2541	32	7	2	27	3	<LOD	7	4	1	33	2
SM70b	82	83	17	3	<LOD	47	6	2	69	8	32	3	2652	34	<LOD	5	31	3	8	3	<LOD	3	48	3
SM70b	83	84	21	3	<LOD	45	<LOD	5	81	7	26	3	2606	32	<LOD	5	33	3	8	2	<LOD	3	43	2
SM70b	84	85	14	4	<LOD	49	<LOD	6	88	10	17	3	3742	49	<LOD	5	89	5	<LOD	9	<LOD	4	27	2
SM70b	85	86	22	4	<LOD	49	8	2	103	9	18	3	3112	41	<LOD	5	37	3	<LOD	8	<LOD	4	33	2
SM70b	86	87	21	4	<LOD	52	<LOD	6	68	9	25	3	3221	44	<LOD	5	39	4	<LOD	8	<LOD	4	38	3
SM70b	87	88	16	4	<LOD	48	7	2	67	8	22	3	2771	36	<LOD	5	30	3	<LOD	8	<LOD	4	37	3
SM70b	88	89	17	3	<LOD	47	<LOD	5	63	8	15	2	2672	34	5	2	28	3	<LOD	7	<LOD	3	35	2
SM70b	89	90	22	4	<LOD	47	6	2	89	8	12	2	2750	35	<LOD	5	33	3	<LOD	8	<LOD	4	35	2
SM70b	90	91	12	4	<LOD	48	6	2	66	9	9	2	3292	42	<LOD	5	35	3	<LOD	8	<LOD	4	35	2
SM70b	91	92	17	4	<LOD	50	<LOD	6	73	9	9	2	3094	41	<LOD	5	44	4	<LOD	8	<LOD	3	30	2

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM70b	92	93	14	3	<LOD	47	<LOD	6	69	8	9	2	2993	38	<LOD	5	40	3	<LOD	7	<LOD	4	27	2
SM70b	93	94	14	4	<LOD	49	<LOD	6	68	9	11	3	3473	45	<LOD	5	57	4	14	3	<LOD	4	37	3
SM70b	94	95	14	4	<LOD	47	<LOD	6	75	8	8	2	3144	40	6	2	44	3	<LOD	8	<LOD	4	33	2
SM70b	95	96	19	4	<LOD	52	<LOD	7	133	12	21	3	5253	69	9	2	95	5	<LOD	10	<LOD	4	50	3
SM70b	96	97	<LOD	12	<LOD	55	<LOD	7	79	11	<LOD	8	4248	60	<LOD	5	142	6	<LOD	9	<LOD	4	25	2
SM70b	97	98	14	4	<LOD	50	<LOD	6	61	9	17	3	3193	42	<LOD	5	73	4	<LOD	8	<LOD	4	32	2
SM70b	98	99	17	3	<LOD	45	<LOD	5	67	8	14	2	2866	35	<LOD	5	44	3	8	2	<LOD	4	31	2
SM70b	99	100	12	3	<LOD	49	<LOD	6	87	8	9	2	2599	35	<LOD	5	34	3	<LOD	7	<LOD	4	31	2
SM70b	100	101	15	3	<LOD	47	<LOD	5	73	8	11	2	2705	34	<LOD	5	34	3	<LOD	7	<LOD	3	26	2
SM70b	101	102	12	4	<LOD	50	7	2	114	10	13	3	3810	50	<LOD	5	42	4	<LOD	9	<LOD	4	24	2
SM70b	102	103	10	3	<LOD	47	7	2	78	8	21	3	2890	37	7	2	20	3	<LOD	8	<LOD	3	45	3
SM70b	103	104	17	4	<LOD	50	<LOD	6	91	10	17	3	3810	49	<LOD	5	100	5	<LOD	8	<LOD	4	34	3
SM70b	104	105	16	4	<LOD	50	7	2	46	8	<LOD	7	2636	36	6	2	119	5	<LOD	7	<LOD	4	20	2
SM70b	105	106	16	4	<LOD	50	<LOD	6	77	9	18	3	3544	47	7	2	65	4	<LOD	9	<LOD	4	32	2
SM70b	106	107	12	4	<LOD	49	<LOD	6	89	9	12	2	3600	46	<LOD	5	54	4	<LOD	8	<LOD	4	32	2
SM70b	107	108	16	3	<LOD	48	<LOD	5	70	8	7	2	3135	39	<LOD	5	45	3	<LOD	8	<LOD	4	28	2
SM70b	108	109	16	3	<LOD	47	<LOD	6	103	9	11	2	4123	50	<LOD	5	74	4	<LOD	8	<LOD	4	26	2
SM70b	109	110	17	3	<LOD	47	<LOD	6	78	8	23	3	3262	41	6	2	54	4	<LOD	8	<LOD	3	44	3
SM70b	110	111	10	3	<LOD	46	<LOD	5	65	8	9	2	2962	37	<LOD	5	37	3	<LOD	7	<LOD	3	31	2
SM70b	111	112	<LOD	10	<LOD	50	<LOD	6	71	9	8	2	3114	41	<LOD	5	43	4	<LOD	8	<LOD	4	22	2
SM70b	112	113	<LOD	9	<LOD	48	<LOD	5	67	8	10	2	2532	33	<LOD	5	33	3	<LOD	7	<LOD	3	30	2
SM70b	113	114	13	3	<LOD	47	<LOD	5	68	8	<LOD	7	2703	34	<LOD	5	38	3	<LOD	7	4	1	22	2
SM70b	114	115	20	3	<LOD	47	<LOD	5	65	7	16	2	2552	33	6	2	33	3	8	2	<LOD	3	39	2
SM70b	115	116	17	3	<LOD	47	<LOD	5	83	9	8	2	3628	44	<LOD	5	40	3	<LOD	8	<LOD	3	25	2
SM70b	116	117	15	3	<LOD	46	<LOD	5	62	7	8	2	2521	31	<LOD	5	25	3	<LOD	7	<LOD	3	17	2
SM70b	117	118	19	4	<LOD	50	<LOD	6	59	9	17	3	3066	41	<LOD	5	33	3	<LOD	8	<LOD	4	41	3
SM70b	118	119	12	3	<LOD	47	6	2	62	8	<LOD	7	2713	35	<LOD	5	35	3	<LOD	7	<LOD	4	36	2
SM70b	119	120	17	3	<LOD	45	<LOD	5	63	7	10	2	2544	32	<LOD	5	27	3	<LOD	7	<LOD	4	24	2
SM70b	120	121	10	3	<LOD	43	<LOD	5	60	6	11	2	1931	24	<LOD	4	27	3	<LOD	6	<LOD	4	23	2
SM70b	121	122	<LOD	9	<LOD	50	<LOD	6	58	8	8	2	2876	39	<LOD	5	35	3	<LOD	8	<LOD	4	23	2
SM70b	122	123	9	3	<LOD	46	<LOD	5	51	7	7	2	2166	28	<LOD	5	33	3	<LOD	6	<LOD	5	29	2
SM70b	123	124	9	3	<LOD	43	<LOD	4	41	6	<LOD	6	1898	24	<LOD	4	23	2	<LOD	6	<LOD	5	29	2
SM70b	124	125	10	3	<LOD	46	<LOD	5	40	6	<LOD	6	1859	25	<LOD	5	19	2	<LOD	7	<LOD	4	19	2
SM70b	125	126	14	3	<LOD	48	<LOD	5	45	7	<LOD	7	2334	31	<LOD	5	48	3	<LOD	7	<LOD	4	29	2
SM70b	126	127	12	3	<LOD	45	<LOD	5	35	6	<LOD	6	1656	22	<LOD	5	20	2	<LOD	6	<LOD	4	21	2
SM70b	127	128	12	3	<LOD	45	<LOD	5	59	6	8	2	2006	25	<LOD	5	19	2	<LOD	6	<LOD	5	21	2
SM70b	128	129	12	3	<LOD	47	<LOD	5	36	6	<LOD	7	1870	25	<LOD	4	19	3	<LOD	7	<LOD	5	14	2
SM70b	129	130	9	3	<LOD	46	<LOD	5	35	6	<LOD	7	1517	21	<LOD	5	14	2	<LOD	6	<LOD	6	20	2
SM70b	130	131	13	3	<LOD	48	<LOD	5	48	7	<LOD	7	2304	31	<LOD	5	22	3	<LOD	7	<LOD	6	19	2
SM70b	131	132	14	3	<LOD	48	<LOD	6	76	9	13	3	3159	41	<LOD	5	41	3	10	3	<LOD	5	42	3
SM70b	132	133	12	3	<LOD	47	6	2	71	8	14	3	3108	39	8	2	39	3	<LOD	8	<LOD	5	53	3
SM70b	133	134	20	5	<LOD	62	<LOD	8	84	12	11	3	3891	62	<LOD	7	58	5	<LOD	11	<LOD	8	36	3
SM70b	134	135	<LOD	11	<LOD	52	<LOD	6	77	9	20	3	3320	46	<LOD	6	42	4	<LOD	9	<LOD	8	52	3

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM70b	135	136	11	3	<LOD	48	7	2	76	8	15	3	2870	37	<LOD	5	43	3	<LOD	8	<LOD	4	27	2
SM70b	136	137	15	3	<LOD	47	<LOD	5	67	8	14	2	2432	32	6	2	28	3	<LOD	7	<LOD	4	35	2
SM70b	137	138	20	4	<LOD	46	6	2	96	9	17	3	3334	41	9	2	49	4	<LOD	8	<LOD	4	38	2
SM70b	138	139	19	3	<LOD	45	<LOD	5	53	7	27	3	2122	27	<LOD	5	34	3	<LOD	7	<LOD	4	20	2
SM70b	139	140																						
SM71a	0	1	18	3	<LOD	38	6	2	75	6	14	2	2915	30	7	1	48	3	8	2	<LOD	3	42	2
SM71a	1	2	21	3	<LOD	41	6	2	89	8	21	2	3939	41	12	2	40	3	10	2	4	1	53	2
SM71a	2	3	11	3	<LOD	44	6	2	84	8	14	2	3546	42	7	2	34	3	<LOD	7	<LOD	3	31	2
SM71a	3	4	<LOD	8	<LOD	41	<LOD	4	37	5	7	2	1742	21	<LOD	4	23	2	<LOD	5	<LOD	3	14	2
SM71a	4	5	10	2	<LOD	35	<LOD	4	43	5	<LOD	5	1665	17	5	1	22	2	<LOD	5	<LOD	2	15	1
SM71a	5	6	11	2	<LOD	35	5	1	32	4	<LOD	5	1643	17	6	1	20	2	<LOD	5	<LOD	2	14	1
SM71a	6	7	12	2	<LOD	36	<LOD	4	42	5	<LOD	5	2099	21	6	1	24	2	<LOD	5	<LOD	2	16	1
SM71a	7	8	14	3	<LOD	44	<LOD	5	66	8	17	2	3073	37	7	2	179	5	<LOD	7	<LOD	3	31	2
SM71a	8	9	10	3	<LOD	37	6	1	74	7	9	2	3189	31	7	1	74	3	<LOD	6	<LOD	3	28	2
SM71a	9	10	17	3	<LOD	40	6	2	83	8	15	2	4043	43	9	2	31	3	<LOD	7	3	1	46	2
SM71a	10	12	18	3	<LOD	38	6	2	94	8	17	2	4750	46	6	1	141	4	9	2	<LOD	3	48	2
SM71a	12	13	13	3	<LOD	37	6	1	62	6	6	2	2694	27	4	1	53	3	7	2	3	1	32	2
SM71a	13	14	21	5	<LOD	67	<LOD	8	58	13	19	4	3923	73	11	3	13	4	<LOD	11	<LOD	5	47	4
SM71a	14	15	19	3	<LOD	39	6	2	64	7	19	2	3050	31	7	1	30	3	7	2	<LOD	3	36	2
SM71a	15	16	24	4	<LOD	46	8	2	103	11	24	3	6270	73	15	2	37	4	<LOD	9	5	1	58	3
SM71a	16	17	10	3	<LOD	50	<LOD	6	53	9	8	2	3114	42	<LOD	6	32	3	<LOD	8	<LOD	4	32	2
SM71a	17	18	9	3	<LOD	38	6	2	48	6	8	2	2894	30	5	1	17	2	<LOD	6	<LOD	3	22	2
SM71a	18	19	13	3	<LOD	38	<LOD	4	47	6	20	2	2556	27	4	1	23	2	<LOD	6	<LOD	3	30	2
SM71a	19	20	16	3	<LOD	37	<LOD	4	53	6	6	2	3058	30	4	1	77	3	<LOD	6	<LOD	2	28	2
SM71a	20	21	23	3	<LOD	37	7	2	104	7	38	2	4099	39	13	2	36	3	14	2	4	1	59	2
SM71a	21	22	26	4	<LOD	41	8	2	178	12	32	3	8354	85	12	2	109	5	<LOD	10	<LOD	4	84	3
SM71a	22	23	11	3	<LOD	42	5	2	73	8	18	2	3309	37	9	2	41	3	<LOD	7	<LOD	3	39	2
SM71a	23	24	19	3	<LOD	37	7	2	68	6	21	2	2911	29	7	1	24	2	7	2	<LOD	3	39	2
SM71a	24	25	20	3	<LOD	38	8	2	66	7	11	2	3477	35	6	1	107	4	<LOD	6	<LOD	2	34	2
SM71a	25	26	16	3	<LOD	37	6	1	77	6	13	2	2947	29	6	1	29	2	<LOD	6	<LOD	3	36	2
SM71a	26	27	13	3	<LOD	39	7	2	107	9	13	2	4905	50	6	1	200	5	<LOD	8	<LOD	3	49	2
SM71a	27	28	23	3	<LOD	39	<LOD	5	86	7	16	2	3785	38	7	1	90	4	<LOD	7	<LOD	3	43	2
SM71a	28	29	11	2	<LOD	36	5	1	36	5	9	2	2065	21	<LOD	3	77	3	9	2	<LOD	3	22	2
SM71a	29	30	16	3	<LOD	36	7	1	43	5	6	2	2348	24	<LOD	3	146	4	9	2	<LOD	3	29	2
SM71a	30	31	<LOD	8	<LOD	37	9	2	69	7	7	2	3156	31	4	1	60	3	6	2	<LOD	3	35	2
SM71a	31	32	28	3	<LOD	38	9	2	105	8	28	2	3884	39	11	2	21	3	<LOD	7	<LOD	3	35	2
SM71a	32	33	15	3	<LOD	37	5	1	68	6	9	2	3006	29	5	1	123	4	7	2	<LOD	3	33	2
SM71a	33	34	12	3	<LOD	38	7	2	80	7	8	2	2983	30	<LOD	4	53	3	<LOD	6	<LOD	3	28	2
SM71a	34	35	17	3	<LOD	38	6	2	86	7	<LOD	5	3331	33	<LOD	4	56	3	<LOD	6	<LOD	3	35	2
SM71a	35	36	16	3	<LOD	37	9	2	89	7	12	2	3714	37	4	1	83	3	<LOD	7	<LOD	3	37	2

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM71a	36	37	17	3	<LOD	36	5	1	66	6	17	2	2604	26	10	1	26	2	<LOD	6	<LOD	2	29	2
SM71a	37	38	21	3	<LOD	38	7	2	103	7	22	2	3641	37	10	2	26	3	<LOD	7	3	1	40	2
SM71a	38	39	15	3	<LOD	38	<LOD	4	78	7	20	2	3308	34	5	1	49	3	<LOD	6	<LOD	3	36	2
SM71a	39	40	18	3	<LOD	41	<LOD	6	90	9	6	2	4719	50	<LOD	4	226	6	<LOD	8	<LOD	4	39	2
SM71a	40	41	9	2	<LOD	35	5	1	56	6	5	2	2499	24	<LOD	4	119	3	8	2	<LOD	3	31	2
SM71a	41	42	14	3	<LOD	36	<LOD	4	53	6	7	2	2451	24	<LOD	4	53	3	6	2	4	1	28	2
SM71a	42	43	16	3	<LOD	36	5	1	71	6	8	2	2655	26	<LOD	4	47	3	<LOD	6	<LOD	3	28	2
SM71a	43	44	16	3	<LOD	36	5	1	53	6	6	2	2748	27	4	1	22	2	8	2	<LOD	3	28	2
SM71a	44	45	23	3	<LOD	37	7	2	79	7	18	2	3152	31	10	1	36	3	8	2	<LOD	3	41	2
SM71a	45	46	19	3	<LOD	37	5	2	77	7	8	2	3758	37	5	1	51	3	7	2	<LOD	3	34	2
SM71a	46	47	13	3	<LOD	37	8	2	84	7	8	2	3306	33	5	1	48	3	<LOD	6	<LOD	3	26	2
SM71a	47	48	13	3	<LOD	36	9	2	82	6	6	2	2916	29	<LOD	4	40	3	<LOD	6	<LOD	3	22	2
SM71a	48	49	13	3	<LOD	37	7	2	72	6	8	2	2792	28	<LOD	4	44	3	<LOD	6	<LOD	3	28	2
SM71a	49	50	23	3	<LOD	38	6	2	101	7	20	2	3669	37	11	2	52	3	9	2	<LOD	3	41	2
SM71a	50	51	15	3	<LOD	36	<LOD	4	90	7	14	2	3375	33	7	1	65	3	8	2	<LOD	3	47	2
SM71a	51	52	22	3	<LOD	37	<LOD	4	82	7	19	2	3531	34	7	1	72	3	10	2	4	1	45	2
SM71a	52	53	16	3	<LOD	38	7	2	86	7	17	2	3015	31	6	1	115	4	7	2	<LOD	3	36	2
SM71a	53	54	16	3	<LOD	35	6	1	65	6	16	2	2607	26	9	1	34	2	10	2	3	1	42	2
SM71a	54	55	14	3	<LOD	36	7	1	64	6	16	2	2596	26	7	1	36	2	<LOD	6	3	1	43	2
SM71a	55	56	17	3	<LOD	36	6	1	79	6	29	2	2902	28	10	1	18	2	8	2	3	1	49	2
SM71a	56	57	15	3	<LOD	37	7	2	53	6	8	2	3051	30	<LOD	4	71	3	<LOD	6	<LOD	3	24	2
SM71a	57	58	12	2	<LOD	36	<LOD	4	51	6	6	2	2447	24	<LOD	4	29	2	<LOD	5	<LOD	3	25	2
SM71a	58	59	16	3	<LOD	38	6	2	91	8	18	2	5121	50	10	2	89	4	16	3	<LOD	3	42	2
SM71a	59	60	15	3	<LOD	37	<LOD	4	74	7	<LOD	5	3060	31	<LOD	4	50	3	7	2	4	1	31	2
SM71a	60	61	13	3	<LOD	37	<LOD	4	44	6	6	2	2435	25	<LOD	4	46	3	6	2	<LOD	3	25	2
SM71a	61	62	10	3	<LOD	36	9	1	65	6	7	2	2828	28	<LOD	4	35	2	<LOD	6	<LOD	2	27	2
SM71a	62	63	16	3	<LOD	37	8	2	86	7	18	2	3341	33	9	1	27	2	10	2	<LOD	3	41	2
SM71a	63	64	17	3	<LOD	39	7	2	87	7	19	2	3703	37	7	1	40	3	<LOD	7	<LOD	3	45	2
SM71a	64	65	18	3	<LOD	40	<LOD	5	74	7	16	2	3133	33	<LOD	4	40	3	<LOD	6	<LOD	3	36	2
SM71a	65	66	17	3	<LOD	39	<LOD	5	59	6	22	2	2707	29	6	1	34	3	9	2	<LOD	3	40	2
SM71a	66	67	18	3	<LOD	36	<LOD	4	46	5	13	2	2075	21	5	1	20	2	9	2	<LOD	3	29	2
SM71a	67	68	18	3	<LOD	38	<LOD	4	62	6	11	2	2535	26	5	1	39	3	9	2	<LOD	2	31	2
SM71a	68	69	11	3	<LOD	37	5	1	65	6	<LOD	5	2578	26	<LOD	4	36	2	<LOD	6	<LOD	2	31	2
SM71a	69	70	14	3	<LOD	37	6	1	58	6	8	2	2719	28	<LOD	4	45	3	8	2	<LOD	3	30	2
SM71a	70	71	17	3	<LOD	37	<LOD	4	56	6	<LOD	5	2697	27	<LOD	4	40	3	<LOD	6	<LOD	3	26	2
SM71a	71	72	12	3	<LOD	39	6	2	59	6	9	2	2706	29	5	1	50	3	<LOD	6	<LOD	3	27	2
SM71a	72	73	11	3	<LOD	37	5	1	53	6	8	2	2861	29	<LOD	4	50	3	<LOD	6	<LOD	3	27	2
SM71a	73	74	10	3	<LOD	37	5	1	47	6	5	2	2788	28	4	1	45	3	<LOD	6	<LOD	3	23	2
SM71a	74	75	18	3	<LOD	38	<LOD	5	74	7	19	2	3701	37	11	2	101	4	7	2	<LOD	3	47	2
SM71a	75	76	21	3	<LOD	38	5	2	118	8	24	2	4458	44	7	1	88	4	<LOD	7	<LOD	3	49	2

Appendix B – Summary of Soil Boring Data

Soil Boring ID	Sample Depth Interval		XRF Barium		XRF Cadmium		XRF Chromium		XRF Cobalt		XRF Copper		XRF Iron		XRF Lead		XRF Manganese		XRF Nickel		XRF Selenium		XRF Zinc	
	Top (feet bgs)	Bottom (feet bgs)	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error	Conc. (ppm)	Error
SM71a	76	77	28	3	<LOD	39	6	2	92	8	30	2	4091	41	10	2	73	3	17	3	4	1	54	2
SM71a	77	78	15	3	<LOD	39	<LOD	5	76	7	14	2	3567	37	12	2	68	3	10	2	<LOD	3	64	3
SM71a	78	79	21	3	<LOD	40	5	2	100	8	25	2	4519	46	11	2	72	4	<LOD	7	<LOD	3	125	4
SM71a	79	80	12	3	<LOD	38	5	1	65	6	8	2	2982	30	4	1	53	3	<LOD	6	<LOD	3	31	2
SM71a	80	81	18	3	<LOD	38	<LOD	4	58	6	8	2	2700	28	<LOD	4	49	3	8	2	<LOD	3	30	2
SM71a	81	82	14	3	<LOD	39	<LOD	5	100	9	7	2	5574	54	<LOD	4	130	4	<LOD	8	4	1	21	2
SM71a	82	83	14	3	<LOD	37	<LOD	4	70	6	8	2	2951	30	<LOD	4	48	3	<LOD	6	<LOD	3	26	2
SM71a	83	84	23	3	<LOD	38	7	2	79	7	11	2	3120	31	5	1	34	3	8	2	<LOD	3	32	2
SM71a	84	85	12	3	<LOD	38	6	2	72	7	12	2	3035	31	<LOD	4	37	3	<LOD	6	<LOD	3	36	2
SM71a	85	86	19	3	<LOD	39	6	2	77	7	16	2	3308	34	5	1	45	3	<LOD	7	<LOD	3	43	2
SM71a	86	87	16	3	<LOD	40	6	2	88	8	26	2	4183	44	7	2	63	3	<LOD	7	<LOD	3	50	2
SM71a	87	88	22	3	<LOD	44	<LOD	5	78	9	20	2	4252	48	<LOD	5	65	4	<LOD	8	<LOD	3	38	2
SM71a	88	89	11	2	<LOD	36	5	1	41	6	6	2	2538	25	<LOD	4	43	3	<LOD	5	<LOD	3	30	2
SM71a	89	90																						
SM71a	90	91																						
SM71a	91	92	13	3	<LOD	37	4	1	55	6	<LOD	5	2562	26	<LOD	3	35	2	<LOD	6	<LOD	3	28	2
SM71a	92	93	15	3	<LOD	41	8	2	91	8	7	2	4266	46	<LOD	4	74	4	<LOD	7	<LOD	3	24	2
SM71a	93	94	17	4	<LOD	55	<LOD	6	64	9	12	3	2972	44	9	2	30	4	<LOD	8	<LOD	4	40	3
SM71a	94	95	15	3	<LOD	39	7	2	71	7	10	2	3105	32	<LOD	4	38	3	<LOD	6	<LOD	3	24	2
SM71a	95	96	15	3	<LOD	39	5	2	71	7	9	2	2998	31	6	1	39	3	<LOD	6	<LOD	3	46	2
SM71a	96	97	18	3	<LOD	39	6	2	74	7	14	2	3310	34	<LOD	4	42	3	<LOD	6	<LOD	3	34	2
SM71a	97	98	10	2	<LOD	33	<LOD	3	58	4	8	2	1333	14	12	1	11	2	<LOD	5	<LOD	2	35	2
SM71a	98	99	14	2	<LOD	35	<LOD	4	62	6	15	2	2490	24	5	1	33	2	10	2	<LOD	3	36	2
SM71b	0	100																						
SM71b	100	101	14	3	<LOD	47	6	2	75	8	16	2	2760	35	6	2	46	3	<LOD	7	<LOD	3	39	2
SM71b	102	103	<LOD	12	<LOD	63	<LOD	6	67	10	<LOD	9	2721	47	<LOD	7	40	4	<LOD	9	<LOD	5	27	3
SM71b	103	104	13	3	<LOD	45	<LOD	5	57	7	13	2	2464	31	<LOD	5	30	3	<LOD	7	<LOD	3	28	2
SM71b	104	105	14	3	<LOD	47	<LOD	5	70	8	14	2	2520	33	7	2	42	3	<LOD	7	<LOD	4	33	2
SM71b	105	106	13	3	<LOD	50	7	2	79	9	18	3	3030	40	<LOD	5	34	3	12	3	<LOD	4	39	3
SM71b	106	107	11	4	<LOD	50	<LOD	6	84	10	12	3	4231	55	<LOD	5	82	5	<LOD	9	<LOD	4	24	2
SM71b	107	108	17	4	<LOD	49	<LOD	6	76	9	14	3	3728	48	9	2	53	4	<LOD	9	<LOD	4	30	2
SM71b	108	109	<LOD	10	<LOD	49	6	2	87	8	12	2	2770	36	<LOD	5	29	3	<LOD	8	<LOD	4	36	3
SM71b	109	110	13	3	<LOD	49	<LOD	6	46	8	<LOD	7	2502	34	<LOD	5	28	3	<LOD	7	<LOD	5	31	2
SM71b	110	111	10	3	<LOD	47	<LOD	5	47	7	10	2	2000	27	<LOD	5	42	3	<LOD	7	<LOD	5	32	2
SM71b	111	112	<LOD	11	<LOD	49	<LOD	6	65	9	<LOD	8	3822	49	<LOD	5	67	4	<LOD	9	<LOD	8	28	2
SM71b	112	113	11	3	<LOD	47	<LOD	5	55	7	9	2	1993	27	<LOD	5	31	3	<LOD	7	<LOD	7	20	2
SM71b	113	114	19	4	<LOD	48	9	2	79	8	20	3	2749	36	<LOD	6	33	3	<LOD	8	<LOD	5	36	3
SM71b	114	115	15	4	<LOD	49	<LOD	6	101	9	16	3	3640	47	<LOD	6	63	4	<LOD	9	<LOD	8	56	3
SM71b	115	116	<LOD	12	<LOD	53	<LOD	7	130	14	<LOD	9	6731	91	<LOD	6	159	7	<LOD	11	<LOD	11	24	3
SM71b	116	117	17	3	<LOD	47	<LOD	6	88	8	18	3	3260	41	<LOD	5	62	4	<LOD	8	<LOD	5	38	2
SM71b	117	118	15	3	<LOD	43	<LOD	5	92	8	19	2	3308	38	<LOD	5	47	3	<LOD	7	<LOD	4	34	2
SM71b	118	119	14	4	<LOD	49	<LOD	6	88	9	19	3	3016	40	<LOD	5	24	3	<LOD	8	<LOD	4	38	3
SM71b	119	120	22	3	<LOD	47	<LOD	5	72	7	19	3	2416	31	6	2	32	3	<LOD	7	<LOD	4	37	2
SM71b	120	121	<LOD	10	<LOD	49	6	2	83	9	17	3	3092	40	<LOD	5	28	3	<LOD	8	<LOD	4	39	3