Table A-1: Phase 1 Remedial Investigation Groundwater Sample Summary
Groundwater Sampling

Sample Location	Sample Identification	Sampling Method	Analyses											
			[1]Field Parameters	Total Dissolved Solids	VOCs (low water)	SVOCs	(Unfiltered) TAL Metals (includes Mercury)	(Filtered) TAL Metals (includes Mercury)	Cyanide	Hexavalent Chromium	PCBs	Herbicides	PFCs	TPH
Monitoring Wells														
MW-01	MW-01	Micro Purge and Sample	X	X	X	X	X	X	X	X	X	X	X	X
MW-02	MW-02	Micro Purge and Sample	X	X			X	X	X	X				
MW-03	MW-03	Micro Purge and Sample	X	X			X	X	X	X				
WW-01	WW-01	Micro Purge and Sample	X	X			X	X	X	X				
WW-02	WW-02	Micro Purge and Sample	X	X			X	X	X	X				
		Subtotal Monitoring Wells	**5**	**5**	**1**	**1**	**5**	**5**	**5**	**5**	**1**	**1**	**1**	**1**
		Total Groundwater Samples	**5**	**5**	**1**	**1**	**5**	**5**	**5**	**5**	**1**	**1**	**1**	**1**
Ground Water QC Samples														
Field duplicates	Same as original with "-D" added to the ID, for example MW-16-D	1 per 10 samples			1	1	1	1	1	1	1	1	1	1
MS/MSDs	Same as original sample identification	1 per 20 samples (extra volume consisting of one container for MS and one container for MSD per each MS/MSD sample)			1	1	1	1	1	1	1	2	1	1
Trip blanks	TB with number; for example TB-1, TB-2, etc.	1 per cooler containing aqueous samples for VOC analysis			1							0		
Equipment blanks	ER with number; for example ER-1, ER-2, etc.	1 per day per set of for nondedicated equipment per team			1	1	1	1	1	2	1	1	1	1
Total Groundwater Samples Including QC			**5**	**5**	**5**	**4**	**8**	**8**	**8**	**9**	**4**	**5**	**4**	**4**

NOTES:
[1]Field parameters: pH, temperature, conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity
[1] Total dissolved solids, hexavalent chromium, PFC, and TPH analyses for groundwater samples will be conducted by a private laboratory.
PBC = Polychlorinated biphenyls
PFCs = Perfluorochemicals
SVOCs = Semivolatile organic compounds
TAL = Total analyte list
TPH = Total petroleum hydrocarbons
VOCs = Volatile organic compounds

Objective of Sampling - To verify whether or not contaminants of potential concern are present within the alluvial groundwater, and to define the nature and extent of groundwater impact.
Activities to be Conducted - The tasks of this field investigation that will be performed during Phase 1 include: (1) Collection of groundwater samples from the newly installed groundwater monitoring wells, and (2) Collect groundwater samples
Sample Locations - See Figure A-1 in Appendix A of the Sampling and Analysis Plan

Table A-1: Phase 1 Remedial Investigation Surface Soil Sample Summary
Soil Sampling

Sample Location	Boring Total Depth (ft bgs)	Sample Medium	Rationale	Nunber of Sample Locations	Sample Identification	Sampling Tool	Sampling Depth (ft bgs)	Field Screening by PID
Surface Soil Boring (Surface Soil Only)								
RISS-01	2	Surface soil	To assess potential impact of surface soil on-site and off-site	1	RISS-01-0.0-0.5	Split spoon Continuous sampler PVC/acetate sleeve	0.0 - 0.5	Yes
					RISS-01-0.5-2.0		0.5 - 2.0	Yes
RISS-02	2	Surface soil		1	RISS-02-0.0-0.5		0.0 - 0.5	Yes
					RISS-02-0.5-2.0		0.5 - 2.0	Yes
RISS-03	2	Surface soil		1	RISS-03-0.0-0.5		0.0 - 0.5	Yes
					RISS-03-0.5-2.0		0.5 - 2.0	Yes
RISS-04	2	Surface soil		1	RISS-04-0.0-0.5		0.0 - 0.5	Yes
					RISS-04-0.5-2.0		0.5 - 2.0	Yes
RISS-05	2	Surface soil		1	RISS-05-0.0-0.5		0.0 - 0.5	Yes
					RISS-05-0.5-2.0		0.5 - 2.0	Yes
RISS-06	2	Surface soil		1	RISS-06-0.0-0.5		0.0 - 0.5	Yes
					RISS-06-0.5-2.0		0.5 - 2.0	Yes
RISS-07	2	Surface soil		1	RISS-07-0.0-0.5		0.0 - 0.5	Yes
					RISS-07-0.5-2.0		0.5 - 2.0	Yes
RISS-08	2	Surface soil		1	RISS-08-0.0-0.5		0.0 - 0.5	Yes
					RISS-08-0.5-2.0		0.5 - 2.0	Yes
							Subtotal Surface Soil Boring Soil Samples	
Surface Soil Sample Locations								
DSB- 1	11	Surface soil		1	DSB-1-0.0-0.5	1 -0.0-0.5	0.0 - 0.5	Yes
				1	DSB-1-0.5-2.0	1 -0.5-2.0	0.5 - 2.0	Yes
		Subsurface soil		1	DSB-1-9.0-11.0	1 -9.0-11.0	9.0 - 11.0	Yes
DSB- 2	11	Surface soil		1	DSB-2-0.0-0.5	2 -0.0-0.5	0.0 - 0.5	Yes
				1	DSB-2-0.5-2.0	2 -0.5-2.0	0.5 - 2.0	Yes
		Subsurface soil		1	DSB-2-2.0-5.0	2 -2.0-5.0	2.0 - 5.0	Yes
				1	DSB-2-9.0-11.0	2 -9.0-11.0	9.0 - 11.0	Yes
DSB- 3	10	Surface soil		1	DSB-3-0.0-0.5	3 -0.0-0.5	0.0 - 0.5	Yes
				1	DSB-3-0.5-2.0	3 -0.5-2.0	0.5 - 2.0	Yes

Analysis										
VOCs	SVOCs	TAL Metals (includes Mercury)	Cyanide	Hexavalent Chromium	PCBs	Herbicides	PFCs	ORP	pH	TPH
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	0	0	0	0				0	0	0
0	**0**	**0**	**0**	**0**				**0**	**0**	**0**
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
X	X	X	X	X	X	X	X	X	X	X

		Subsurface soil	To delineate nature and extent	1	DSB-3-8.0-10.0	3 -8.0-10.0	Split spoon Continuous sampler PVC/acetate sleeve, 5 ft core barrel, or hand auger	8.0 - 10.0	Yes
DSB- 4	15	Surface soil		1	DSB-4-0.0-0.5	4 -0.0-0.5		0.0 - 0.5	Yes
				1	DSB-4-0.5-2.0	4 -0.5-2.0		0.5 - 2.0	Yes
		Subsurface soil		1	DSB-4-13.0-15.0	4 -13.0-15.0		13.0 - 15.0	Yes
DSB- 5	11	Surface soil		1	DSB-5-0.0-0.5	5 -0.0-0.5		0.0 - 0.5	Yes
				1	DSB-5-0.5-2.0	5 -0.5-2.0		0.5 - 2.0	Yes
				1	DSB-5-2.0-5.0	5 -2.0-5.0		2.0 - 5.0	Yes
				1	DSB-5-9.0-11.0	5 -9.0-11.0		9.0 - 11.0	Yes
					DSB-5-0.5-2.0-D			0.5 - 2.0	
DSB- 6	15	Surface soil		1	DSB-6-0.0-0.5	6 -0.0-0.5		0.0 - 0.5	Yes
				1	DSB-6-0.5-2.0	6 -0.5-2.0		0.5 - 2.0	Yes
		Subsurface soil		1	DSB-6-13.0-15.0	6 -13.0-15.0		13.0 - 15.0	Yes
DSB- 7	11	Surface soil		1	DSB-7-0.0-0.5	7 -0.0-0.5		0.0 - 0.5	Yes
				1	DSB-7-0.5-2.0	7 -0.5-2.0		0.5 - 2.0	Yes
		Subsurface soil		1	DSB-7-2.0-5.0	7 -2.0-5.0		2.0 - 5.0	Yes
				1	DSB-7-9.0-11.0	7 -9.0-11.0		9.0 - 11.0	Yes
DSB- 8	10	Surface soil		1	DSB-8-0.0-0.5	8 -0.0-0.5		0.0 - 0.5	Yes
					DSB-8-0.0-0.5-D			0.0 - 0.5	
				1	DSB-8-0.5-2.0	8 -0.5-2.0		0.5 - 2.0	Yes
				1	DSB-8-2.0-5.0	8 -2.0-5.0		2.0 - 5.0	Yes
				1	DSB-8-8.0-10.0	8 -8.0-10.0		8.0 - 10.0	Yes
					DSB-8-0.5-2.0-D			0.5 - 2.0	
DSB- 9	12	Surface soil		1	DSB-9-0.0-0.5	9 -0.0-0.5		0.0 - 0.5	Yes
				1	DSB-9-0.5-2.0	9 -0.5-2.0		0.5 - 2.0	Yes
		Subsurface soil		1	DSB-9-2.0-5.0	9 -2.0-5.0		2.0 - 5.0	Yes
				1	DSB-9-10.0-12.0	9 -10.0-12.0		10.0 - 12.0	Yes
JSB- 1	11	Surface soil	To further assess potential source areas	1	JSB-1-0.0-0.5	1 -0.0-0.5		0.0 - 0.5	Yes
				1	JSB-1-0.5-2.0	1 -0.5-2.0		0.5 - 2.0	Yes
		Subsurface soil		1	JSB-1-2.0-5.0	1 -2.0-5.0		2.0 - 5.0	Yes
				1	JSB-1-9.0-11.0	1 -9.0-11.0		9.0 - 11.0	Yes
JSB- 2	10	Surface soil		1	JSB-2-0.0-0.5	2 -0.0-0.5		0.0 - 0.5	Yes
					JSB-2-0.0-0.5-D			0.0 - 0.5	
					JSB-2-0.5-2.0			0.5 - 2.0	
				1	JSB-2-0.5-2.0-D	2 -0.5-2.0		0.5 - 2.0	Yes
		Subsurface soil		1	JSB-2-2.0-5.0	2 -2.0-5.0		2.0 - 5.0	Yes
				1	JSB-2-8.0-10.0	2 -8.0-10.0		8.0 - 10.0	Yes
JSB- 3	13	Surface soil		1	JSB-3-0.0-0.5	3 -0.0-0.5		0.0 - 0.5	Yes
				1	JSB-3-0.5-2.0	3 -0.5-2.0		0.5 - 2.0	Yes
				1	JSB-3-2.0-5.0	3 -2.0-5.0		2.0 - 5.0	Yes
				1	JSB-3-11.0-13.0	3 -11.0-13.0		11.0 - 13.0	Yes
					JSB-3-0.5-2.0-D			0.5 - 2.0	
JSB- 4	15	Surface soil		1	JSB-4-0.0-0.5	4 -0.0-0.5		0.0 - 0.5	Yes
				1	JSB-4-0.5-2.0	4 -0.5-2.0		0.5 - 2.0	Yes

		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
X	X	X	X	X	X	X	X	X	X	X
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
X	X	X	X	X	X	X	X	X	X	X
		X	X	X						
		X	X	X						
X	X	X	X	X	X	X	X	X	X	X
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
X	X	X	X	X	X	X	X	X	X	X
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						
		X	X	X						

Monitoring Wells									
MW- 1	12	Surface soil	To assess nature and extent	1	MW-1-0.0-0.5	1 -0.0-0.5	Hollow stem auger with 5 ft core barrel	0.0 - 0.5	Yes
					MW-1-0.0-0.5-D			0.0 - 0.5	
				1	MW-1-0.5-2.0	1 -0.5-2.0		0.5 - 2.0	Yes
		Subsurface soil		1	MW-1-6.0-8.0	1 -6.0-8.0		6.0 - 8.0	Yes
		Subsurface soil (core)		1	MW-1-3.5-5.0	1 -3.5-5.0	Shelby Tube	3.5 - 5.0	
MW- 2	25	Surface soil		1	MW-2-0.0-0.5	2 -0.0-0.5	Hollow stem auger with 5 ft core barrel	0.0 - 0.5	Yes
				1	MW-2-0.5-2.0	2 -0.5-2.0		0.5 - 2.0	Yes
		Subsurface soil		1	MW-2-14.0-16.0	2 -14.0-16.0		14.0 - 16.0	Yes
		Subsurface soil (core)		1	MW-2-16.0-18.0	2 -16.0-18.0	Shelby Tube	16.0 - 18.0	
MW- 3	20	Surface soil		1	MW-3-0.0-0.5	3 -0.0-0.5	Hollow stem auger with 5 ft core barrel	0.0 - 0.5	Yes
				1	MW-3-0.5-2.0	3 -0.5-2.0		0.5 - 2.0	Yes
		Subsurface soil		1	MW-3-9.0-11.0	3 -9.0-11.0		9.0 - 11.0	Yes
		Subsurface soil (core)		1	MW-3-7.0-9.0	3 -7.0-9.0	Shelby Tube	7.0 - 9.0	
								Subtotal Monitoring Well Soil Samples	
								Total Soil Samples	
Soil Investigation QC Samples									
Field Duplicates	NA	Soil	Quality Control	Same as original with "-D" added to the ID, for example MW-16-0.5-2.0-D			1 per 10 samples		
MS/MSDs	NA	Soil		Same as original sample identification			1 per 20 samples		
								Total Soil Samples Associated with Soil Investigation Including QC	
Water QC Samples									
Trip blanks	NA	Water	Quality Control	TB with number; for example TB-1, TB-2, etc.			1 per cooler containing equipment rinsate for equipment used during		
Equipmen	NA	Water		ER with number; for example ER-1, ER-2, etc.			1 per day per set of nondedicated equipment per team		
								Total Water QC Samples Associated with Soil Investigation	

NOTE:

[1]Interval that contains the highest PID reading will be determined in the field; these intervals will used accordingly the sample indentifcation number for the collected samples meeting these criteria

Sample depth may vary depending upon location of sample and encountered condtions; in addition the highest PID reading may correspond with one of the surface soil intervals or the ground water interface, as a result, the number of samp

[1] Geotechnical parameters, hexavalent chromium, PFCs, pH , ORP, and TPH analyses for soil samples will be conducted by a private laboratory.

[4]DSB-5 and/or DSB-7 will be used to assess a rectangular depression reported to contain water as part of the Phase 1 RI field activities. If it is determined this area is impacted based on the Phase 1 sampling event and this feature is deterr

bgs = Below ground surface.
ft = foot (feet).
ORP = Oxidation Reduction Potential .
PCB = Polychlorinated biphenyl
PFCs = Perfluorochemicals
PID = Photoionization detector
PCB = Polychlorinated biphenyl.
PFC = Perfluorochemical .
SVOC = Semivolatile organic compound.
TAL = Target Analyte List
TPH = Total petroleum hydrocarbons
TB = Trip Blank
TAL = Total a
TPH = Total p
VOCs = Volati
PVC = polyvinyl chloride
QC = Quality control
SVOC = Semivolatile organic compound
TPH = Total petroleum hydrocarbons
VOC = Volatile organic compound

Objective of Sampling - To determine the nature and extent of contaminants of potential concern associated with surface and subsurface soil.

Activities to be Conducted - The tasks of this field investigation that will be performed during Phase 1 include: (1) Installation of soil borings and monitoring wells, and (2) collection of surface and subsurface soil samples for laboratory a

Sample Locations - See Figure A-1 for soil boring locations and A-2 for monitoring well locations in Appendix A of the Sampling and Analysis Plan

		X	X	X						
		X	X	X						
		X	X	X						
X	X	X	X	X	X	X	X	X	X	X
		X								
		X	X	X						
		X	X	X						
		X	X	X						
		X								
		X	X	X						
		X	X	X						
X	X	X	X	X	X	X	X	X	X	X
0	**0**	**0**	**9**	**9**	**2**	**2**	**2**	**2**	**2**	**2**
6	**6**	**#REF!**	**57**	**57**	**6**	**6**	**6**	**6**	**6**	**6**
1	1	#REF!	6	6	1	1	1	1	1	1
1	1	#REF!	3	3	1	2	1	1	1	1
8	**8**	**#REF!**	**66**	**66**	**8**	**9**	**8**	**8**	**8**	**8**
6						0				
4	4	10	10	10	4	4	4	4	4	4
10	**4**	**10**	**10**	**10**	**4**	**4**	**4**	**4**	**4**	**4**

les collected may be less than shown.

nined to hold water perennially, then additional characterization of this feature, to
TAL = Total analyte list.
TPH = Total petroleum hydrocarbons.
VOC = Volatile organic compound.

analyses.