

Grid Location	Location Area	Monitoring Well No.	Screen Interval (ft bgs)	Soil Type Expected Across Screen Interval <sup>1</sup>	Well Sampled for Phase A? (y/n)	Perchlorate (EPA 314.0)	Hex Cr (EPA 7199)	Metals	VOCs <sup>2</sup> (EPA 8260)	Wet Chemistry <sup>3</sup>	OCPs <sup>4</sup> (EPA 8081A)	SVOCs <sup>5</sup> (EPA 8270C)	PCBs <sup>6</sup> (EPA 1668A)	Radio-nuclides <sup>7</sup>	Formal-dehyde (EPA 8315A)	Rationale
<b>Wells are organized by grid location as shown on Plate A - Starting point is on the northwestern-most grid in Area 1 (A-3) and ending with the southeastern-most grid covering Area I (O-4).</b>																
A-3	Parcel A	H-48	TD = 41.1 ft	Qal *	no	X	X	X	X	X	X	X		X		Serves as a stepout, generally upgradient for LOU 67 (Delbert Madsen Site), for general site coverage and for BRC Parcel A.
A-5	Parcel A	PC-40	15 - 55	Qal	yes	X	X	X	X	X	X	X		X		Located to evaluate LOU 67; as general site coverage; and to evaluate downgradient from Area I.
B-3	Parcel A	H-49A	TD = 49 ft	Qal *	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 67; as general site coverage; and to evaluate downgradient from Area I.
D-3	Parcel A	MC-62	TD = 59 ft	Qal *	no	X	X	X	X	X	X	X		X		Located for general site coverage and to evaluate downgradient from Area I.
D-4	Parcel B	PC-72	15 -35	Qal	no	X	X	X	X	X	X	X		X		Located to serve as a lateral stepout for M-95 for general site coverage; and to evaluate downgradient from Area I.
E-1	Parcel D	MC-45	TD = 35.33 ft	Qal *	yes	X	X	X	X	X	X	X		X		Located to evaluate potential offsite sources to the west; for general site coverage downgradient from Area I.
E-3	Parcel A	MC-65	TD = 41.78 ft	Qal *	no	X	X	X	X	X	X	X		X		Located for general site coverage and to evaluate downgradient from Area I.
E-3	Parcel A	MC-66	TD = 47.52 ft	Qal *	no	X	X	X	X	X	X	X		X		Located for general site coverage and to evaluate downgradient from Area I.
E-5	Parcel B	M-44	5 - 35	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 68 and as a lateral stepout for well M95 and to evaluate BRC Parcels B and I.
E-6	Parcel I	M-94	12 - 22	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 68; BRC Parcels B and I and the downgradient area of the site.
E-6	Parcel I	M-95	12 - 22	Qal	yes	X	X	X	X	X	X	X		X		Located to evaluate LOU 68; BRC Parcel B; and the downgradient area of the site.
E-7	Parcel I	M-96	10.5 - 20.5	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 68; BRC Parcel B; and the downgradient area of the site.
F-2	Parcel D	MC-53	20 - 40	Qal *	no	X	X	X	X	X	X	X		X		Located to evaluate potential offsite sources to the west; for general site coverage downgradient from Area I.
F-4	Parcel B	PC-37	16.8 - 41.8	MCfg1	no	X	X	X	X	X	X	X		X		Located to serve as a downgradient stepout for LOU 68; to evaluate downgradient areas; and for general site coverage.
G-1	Montrose	MC-3	TD = 44.25 ft	Qal *	no	X	X	X	X	X	X	X		X		Located offsite to the west for general site coverage; to evaluate potential offsite sources to the west; and to evaluate BRC Parcels C and E.
G-2	Parcel D	MC-94	TD = 40 ft	Qal *	no	X	X	X	X	X	X	X		X		Located to evaluate potential offsite sources to the west; for general site coverage; and to evaluate downgradient from Area I.
G-2	Parcel E	MC-97	TD = 42 ft	Qal *	no	X	X	X	X	X	X	X		X		Located to evaluate potential offsite sources to the west; for general site coverage; and to evaluate downgradient from Area I.
G-3	Parcel D	MC-55	TD = 23 ft	Qal *	no	X	X	X	X	X	X	X		X		Located to evaluate potential offsite sources to the west; for general site coverage downgradient from Area I.
H-2	Parcel C	H-28A	TD = 51 ft	MCfg1 *	no	X	X	X	X	X	X	X		X		Serves as a close stepout downgradient for LOU 1 and LOU 10, and general site coverage and to evaluate potential offsite sources to the west.
H-2	Parcel C	MC-32	TD = 34 ft	Qal *	no	X	X	X	X	X	X	X		X		Located to serve as a downgradient stepout for LOU 10; to evaluate potential offsite sources to the west; to provide general site coverage; and to evaluate BRC Parcels C and E.
H-2	1	M-6A	26.8 - 41.5	Qal	no	X	X	X	X	X	X	X		X		Located as a downgradient stepout for LOU 1 and LOU 10; to evaluate possible offsite sources to the west; and for general site coverage.
H-3	1	M-7B	25.5 - 50.5	MCfg1	yes	X	X	X	X	X	X	X		X		Located as a downgradient stepout for LOU 1 and LOU 10; to evaluate possible offsite sources to the west; and for general site coverage.
H-3	Parcel C	MC-59	TD = 32.58 ft	Qal *	no	X	X	X	X	X	X	X		X		Located to evaluate potential offsite sources to the west; for general site coverage downgradient from Area I.
H-6	Parcel D	M-23	9.4 - 37.4	Qal	no	X	X	X	X	X	X	X		X		Located to serve as an upgradient stepout for LOU 68; as a downgradient stepout for LOU 1; to evaluate BRC Parcels C and D; and for general site coverage.
H-8	Parcel J	M-48	6.1 - 36.1	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 69 and to evaluate BRC Parcels B and J.
I-4	1	M-98	19 - 29	Qal	yes	X	X	X	X	X	X	X		X		Located to evaluate LOU 1 and for general site coverage.

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<b>Wells are organized by grid location as shown on Plate A - Starting point is on the northwestern-most grid in Area 1 (A-3) and ending with the southeastern-most grid covering Area I (O-4).</b>																
I-5	1	M-99	16 - 31	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 1; as a downgradient stepout for LOUs 22, 23, and 32; as an upgradient stepout for LOU 69; and for general site coverage.
I-6	1	M-100	19 - 29	Qal	yes	X	X	X	X	X	X	X		X		Located to evaluate LOU 1; as a downgradient stepout for LOUs 22, 23, and 32; as an upgradient stepout for LOU 69; and for general site coverage.
I-7	1	M-101	17 - 27	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 1; as a downgradient stepout for LOUs 22, 23, and 32; as an upgradient stepout for LOU 69; and for general site coverage.
J-2	1	AA-BW-02	33 - 53	MCfg1 *	no	X	X	X	X	X	X	X		X		Located to evaluate constituents from off-site sources to the west, and for general site coverage.
J-8	1	M-102	19.4 - 39.4	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 1; as a downgradient stepout for LOUs 22, 23, and 32; as an upgradient stepout for LOU 69; and for general site coverage.
K-2	1	M-5A	40 - 50	MCfg1	yes	X	X	X	X	X	X	X		X		Located to evaluate LOU 2 (Open Area South of the Trade Effluent Ponds); as an upgradient stepout for LOU 1 and LOU 10; to evaluate possible offsite sources to the West; and for general site coverage.
K-2	1	TR-2	144.5 - 174.5	MCfg1	no	X	X	X	X	X	X	X		X		To evaluate for SRCs in upper Muddy Creek Fm.
K-3	1	MW-16	24.7 - 39.7	MCfg1	no	X	X	X	X	X	X	X		X		New monitoring well to evaluate SRCs in upper Muddy Creek from offsite sources from west.
K-5	1	M-69	19.9 - 39.3	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 32 and to evaluate the western end of the Groundwater Barrier Wall.
K-5	1	M-79	10.8 - 35.4	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 1, LOU 32 the western end of the Groundwater Injection Trenches, and for general site coverage.
K-6	1	M-84	11.8 - 34.1	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 32 and the Groundwater Injection Trench area; as an upgradient stepout for LOU 1 and LOUs 22 and 23; and for general site coverage.
K-7	1	M-86	11.3 - 40.9	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 32 and the Groundwater Injection Trench area; as an upgradient stepout for LOU 1, LOUs 22 and 23; and for general site coverage.
K-8	1	M-88	7.3 - 36.8	Qal	no	X	X	X	X	X	X	X		X		Located to serve as an upgradient stepout for LOU 1; as a downgradient stepout for LOU 32; to evaluate possible offsite sources to the east; and for general site coverage.
K-9	1	CLD1-R	25 - 35	MCfg1 *	no	X	X	X	X	X	X	X		X		Serves as a close stepout downgradient of LOU 5 (Beta Ditch) and general site coverage located on Timet.
L-2	1	M-127	TBD	TBD	new well	X	X	X	X	X	X	X		X		New monitoring well located to evaluate LOU 2; to evaluate potential offsite sources to the west; and for general site coverage.
L-3	1	M-126	19.7 - 39.7	MCfg1	no	X	X	X	X	X	X	X		X		New monitoring well located to serve as an up- to crossgradient stepout for LOU 2; to evaluate potential offsite sources from the west; and for general site coverage.
L-4	1	M-14A	20 - 40	MCfg1	no	X	X	X	X	X	X	X		X		Located as an upgradient stepout for LOUs 30, 56, and 58; as a downgradient well for LOU 39; and for general site coverage.
L-4	1	M-57A	20 - 40	MCfg1 *	no	X	X	X	X	X	X	X		X		Located to serve as an upgradient stepout for LOU 32 to evaluate the west end of the groundwater barrier wall and for general site coverage.
L-5	1	I-B	17.8 - 42.5	Qal *	no	X	X	X	X	X	X	X		X		Located as a downgradient stepout for LOU 56 and LOU 58; as an upgradient stepout for LOU 57, and for general site coverage.
L-6	1	M-55	14.6 - 44.6	MCfg1	yes	X	X	X	X	X	X	X		X		Located just upgradient of the groundwater barrier wall; to evaluate LOU 32; to serve as a downgradient stepout for LOUs 19, 31, and 55 and for general site coverage.
L-6	1	M-65	14.4 - 39	Qal	no	X	X	X	X	X	X	X		X		Located to serve as an upgradient stepout for LOU 32; as a downgradient stepout for LOU 57; and for general site coverage.
L-6	1	M-78	21.5 - 41.5	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 32 as a downgradient stepout for LOU 55 and for general site coverage.
L-8	1	M-61	9.3 - 38.8	Qal	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 32 and the eastern end of the Groundwater Barrier Wall.
L-8	1	M-67	7.8 - 37.8	Qal	no	X	X	X	X	X	X	X		X		Located to serve as an upgradient stepout for LOU 32 and for general site coverage.
L-8	1	M-68	11.2 - 39.8	MCfg1	no	X	X	X	X	X	X	X		X		Located to serve as a downgradient stepout for LOU 5 and 20; as an upgradient stepout for LOU 32; as an evaluation of the east end of the Groundwater Barrier Wall; and for general site coverage.
L-9	1	CLD2-R	20 - 40.27	MCfg1 *	no	X	X	X	X	X	X	X		X		Serves as a close stepout downgradient of LOU 5; and a further downgradient stepout for LOU 20 (Pond C-1 and Associated Piping), and for general site coverage.
L-10	1	CLD3-R	nr	nr	no	X	X	X	X	X	X	X		X		Located to evaluate LOU 67; as general site coverage; and to evaluate downgradient from Area I.

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M-1	1	H-38	25 - 5	Qal *	no	X	X	X	X	X	X	X		X		To evaluate possible offsite sources from the west, as an upgradient stepout to LOU 5 (Beta Ditch) and for general site coverage.
M-2	1	TR-4	124.5 - 144.5	MCfg1	no	X	X	X	X	X	X	X		X		Located to serve as a downgradient stepout for LOU 5; to evaluate possible offsite sources to the west (particularly for VOCs); and for general site coverage.
M-3	1	M-125	TBD	TBD	new well	X	X	X	X	X	X	X		X	X	New monitoring well located to serve as a downgradient stepout for LOUs 5 and 54; to evaluate potential offsite sources from the west; and for general site coverage.
M-8	1	M-39	24.9 - 39.9	Qal	yes	X	X	X	X	X	X	X		X		Located to serve as a downgradient stepout for LOUs 5, 18, 20, and 21; and for general site coverage.
N-4	1	M-142	TBD	TBD	no	X	X	X	X	X	X	X		X		New monitoring well constructed in borehole for SA87 to evaluate LOU 39 (Satellite Accumulation Point, AP Maintenance Shop).
O-2	1	M-123	TBD	TBD	new well	X	X	X	X	X	X	X	X	X		New monitoring well located to evaluate LOU 35; as an upgradient stepout for LOUs 38 and 54; to evaluate potential offsite sources to the west; and for general site coverage. PCB analysis for groundwater requested by NDEP at this location.
O-4	1	M-124	TBD	TBD	new well	X	X	X	X	X	X	X		X		New monitoring well located to evaluate LOU 64; serve as a downgradient stepout for LOU 63; as an upgradient stepout for LOU 39; and for general site coverage.
O-4	1	M-128	TBD	TBD	new well	X	X	X	X	X	X	X		X		New monitoring well to serve as a downgradient stepout for LOUs 35 and 64; as an upgradient stepout for LOUs 39, 52, and 57; and for general site coverage.
<b>Number of Field Samples:</b>						<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>1</b>	<b>60</b>	<b>1</b>	
<b>QA/QC Samples:</b>																
<b>Field Duplicates (10%)</b>						6	6	6	6	6	6	6	1	6	1	
<b>Field Blanks</b>						1	1	1	1	1	1	1	1	1	1	
<b>Equipment Rinsate Blanks</b>						14	14	14	14	14	14	14	1	14	1	
<b>Trip Blank Samples</b>						0	0	0	14	0	0	0	0	0	0	
<b>Matrix Spike (5%)</b>						3	3	3	3	3	3	3	1	3	1	
<b>Matrix Spike Duplicate (5%)</b>						3	3	3	3	3	3	3	1	3	1	
<b>Total Samples:</b>						<b>87</b>	<b>87</b>	<b>87</b>	<b>101</b>	<b>87</b>	<b>87</b>	<b>87</b>	<b>6</b>	<b>87</b>	<b>6</b>	
<b>Notes:</b>																
* Well completion information or boring log not available. Soil type inferred from nearby wells and geologic cross-section provided in the Phase A Source Area Investigation Report (ENSR, 2007). ENSR is in the process of obtaining information from BMI.																
X Sample will be collected and analyzed.																
1 It is anticipated that the large majority of the flow to the well will be from the coarse-grained sediments. As such, in the cases where there are two lithologies present across the screen interval, the water sampled will represent conditions in the coarse-grained interval.																
2 Volatile organic compounds-samples for VOC analysis will be preserved in the field using sodium bisulfate (or DI water) and methanol preservatives per EPA method 5035.																
3 Includes wet chemistry parameters listed on Table 1 of the Phase B Source Area Work Plan.																
4 Organochlorine pesticides(includes analysis for hexachlorobenzene).																
5 Semi-volatile organic compounds																
6 Polychlorinated Biphenyls																
7 Radionuclides consists of alpha spec reporting for isotopic thorium and isotopic uranium, and Radium-226, plus Radium-228 by beta counting (per NDEP).																
TBD To Be Determined when well is constructed.																
TD Total Depth of the well determined by Site wide routine groundwater monitoring.																
nr Not recorded in Tronox database (screen intervals to be acquired from BMI).																
Qal Quaternary Alluvium																
MCfg1 Muddy Creek Formation - first fine-grained facies																