

FIELD MEASUREMENTS

GROUND WATER TEST RESULTS

PRINTED: 6/5/23-3:58 PM

Period	Sample Date	Units	Time Sampled	Water Depth (ft)	Outside Temp (°C)	Water Temp (°C)	Resistivity (mst/cm)	Dissolved Oxygen (%)	Dissolved Oxygen mg/L	pH	pH (mV)	ORP	Pressure (mmHg)
LM-MW2 MILL SITE													
2022-Q4	29-Dec-22	-	4:00pm	50.5	6	5.98	0.979	163.6	6.40	7.57	28.3	(20.3)	21.6
2023-Q1	16-Jan-23	-	1:48pm	50.7	(4)	-	-	-	-	-	-	-	-
2023-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q1	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
LM-MW3 MILL SITE													
2022-Q4	29-Dec-22	-	3:24pm	63.3	6	6.34	0.874	8.3	7.90	6.63	33.1	11.3	-
2023-Q1	16-Jan-23	-	1:25pm	62.3	(4)	6.99	0.467	67.3	8.71	7.06	(1.9)	87.0	522.8
2023-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q1	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
BMW-1 UPGRADIENT BACKGROUND													
2022-Q4	29-Dec-22	-	2:45pm	19.9	6	6.92	0.204	no stable	7.29	6.48	135.0	(83.1)	-
2023-Q1	16-Jan-23	-	2:34pm	17.9	(3)	7.40	0.147	27.6	3.28	9.62	(143.3)	120.2	517.8
2023-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q1	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
PZ-4 UPGRADIENT BACKGROUND (aka BMW-1A)													
2022-Q4(3)	08-Jan-23	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q1	16-Jan-23	-	3:47pm	102.3	(3)	5.44	0.314	71.1	8.91	8.37	(73.8)	18.3	518.5
2023-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q1	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13 DOWN GRADIENT BACKGROUND													
2022-Q4	29-Dec-22	-	12:37pm	26.3	(8)	6.70	1.050	66.7	8.09	7.91	(49.1)	127.1	5.8
2023-Q1	16-Jan-23	-	12:27pm	24.1	(4)	8.10	0.877	54.4	6.41	7.80	(43.0)	143.0	625.4
2023-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q1	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13A DOWN GRADIENT BACKGROUND													
2022-Q4	29-Dec-22	-	1:30pm	21.0	(8)	7.30	no stable	69.0	6.60	no stable	no stable	no stable	-
2023-Q1	16-Jan-23	-	12:57pm	20.0	(4)	7.05	1.144	40.0	4.75	6.57	25.1	244.0	525.6
2023-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2023-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q1	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q2	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q3	-	-	-	-	-	-	-	-	-	-	-	-	-
2024-Q4	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: (1) A "0" value denotes NOT DETECTABLE laboratory result, (2) A "blank" cell in the table denotes no data collected, (3) Pump failed on 29-Dec on well PZ-4. Sample collected using bailer.

Period	Sample Date	Units	Aluminum (Al)	Boron (B)	Calcium (Ca)	Iron (Fe)	Sodium (Na)
LM-MW2 MILL SITE							
2022-Q4	29-Dec-22	ug/L	400	0	130,000	26,000	23,000
2023-Q1	16-Jan-23	ug/L	Dry well				
2023-Q2		ug/L					
2023-Q3		ug/L					
2023-Q4		ug/L					
2024-Q1		ug/L					
2024-Q2		ug/L					
2024-Q3		ug/L					
2024-Q4		ug/L					
LM-MW3 MILL SITE							
2022-Q4	29-Dec-22	ug/L	710	0	110,000	3,400	19,000
2023-Q1	16-Jan-23	ug/L	260	0	110,000	6,100	18,000
2023-Q2		ug/L					
2023-Q3		ug/L					
2023-Q4		ug/L					
2024-Q1		ug/L					
2024-Q2		ug/L					
2024-Q3		ug/L					
2024-Q4		ug/L					
BMW-1 UPGRADIENT BACKGROUND							
2022-Q4	29-Dec-22	ug/L	0	0	6,900	0	31,000
2023-Q1	16-Jan-23	ug/L	0	0	7,100	0	30,000
2023-Q2		ug/L					
2023-Q3		ug/L					
2023-Q4		ug/L					
2024-Q1		ug/L					
2024-Q2		ug/L					
2024-Q3		ug/L					
2024-Q4		ug/L					
PZ-4 UPGRADIENT BACKGROUND (aka BMW-1A)							
2022-Q4(3)	08-Jan-23	ug/L	13,000	0	110,000	12,000	6,300
2023-Q1	16-Jan-23	ug/L	36,000	0	120,000	38,000	7,000
2023-Q2		ug/L					
2023-Q3		ug/L					
2023-Q4		ug/L					
2024-Q1		ug/L					
2024-Q2		ug/L					
2024-Q3		ug/L					
2024-Q4		ug/L					
MW-13 DOWN GRADIENT BACKGROUND							
2022-Q4	29-Dec-22	ug/L	7,000	0	150,000	11,000	13,000
2023-Q1	16-Jan-23	ug/L	1,100	0	150,000	1,600	13,000
2023-Q2		ug/L					
2023-Q3		ug/L					
2023-Q4		ug/L					
2024-Q1		ug/L					
2024-Q2		ug/L					
2024-Q3		ug/L					
2024-Q4		ug/L					
MW-13A DOWN GRADIENT BACKGROUND							
2022-Q4	29-Dec-22	ug/L	11,000	0	150,000	4,900	16,000
2023-Q1	16-Jan-23	ug/L	2,000	0	140,000	690	16,000
2023-Q2		ug/L					
2023-Q3		ug/L					
2023-Q4		ug/L					
2024-Q1		ug/L					
2024-Q2		ug/L					
2024-Q3		ug/L					
2024-Q4		ug/L					

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Period	Sample Date	Units	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Silver (Ag)	Thallium (Th)	Uranium (U)	Vanadium(V)	Zinc (Zn)
LM-MW2 MILL SITE																			
2022-Q4	29-Dec-22	ug/L	0.0	0.0	29.0	0.0	0.0	110.0	0.0	0.0	120.0	0.0	2.9	0.0	0.0	0.0	11.0	0.0	23.0
2023-Q1	16-Jan-23	ug/L	Dry Well																
2023-Q2		ug/L																	
2023-Q3		ug/L																	
2023-Q4		ug/L																	
2024-Q1		ug/L																	
2024-Q2		ug/L																	
2024-Q3		ug/L																	
2024-Q4		ug/L																	
LM-MW3 MILL SITE																			
2022-Q4	29-Dec-22	ug/L	0.0	0.0	50.0	0.0	0.0	0.0	0.0	13.0	45.0	0.0	3.2	0.0	0.0	0.0	5.8	0.0	280.0
2023-Q1	16-Jan-23	ug/L	0.0	0.0	45.0	0.0	0.0	0.0	0.0	17.0	40.0	0.0	3.2	0.0	0.0	0.0	6.2	0.0	300.0
2023-Q2		ug/L																	
2023-Q3		ug/L																	
2023-Q4		ug/L																	
2024-Q1		ug/L																	
2024-Q2		ug/L																	
2024-Q3		ug/L																	
2024-Q4		ug/L																	
BMW-1 UPGRADIENT BACKGROUND																			
2022-Q4	29-Dec-22	ug/L	0.0	0.0	110.0	0.0	0.0	0.0	0.0	0.0	3.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023-Q1	16-Jan-23	ug/L	0.0	0.0	110.0	0.0	0.0	0.0	0.0	0.0	4.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023-Q2		ug/L																	
2023-Q3		ug/L																	
2023-Q4		ug/L																	
2024-Q1		ug/L																	
2024-Q2		ug/L																	
2024-Q3		ug/L																	
2024-Q4		ug/L																	
PZ-4 UPGRADIENT BACKGROUND (aka BMW-1A)																			
2022-Q4(3)	08-Jan-23	ug/L	0.0	0.0	340.0	0.0	0.0	4.0	4.2	20.0	360.0	4.6	4.8	0.0	0.0	0.0	15.0	8.5	53.0
2023-Q1	16-Jan-23	ug/L	0.0	17.0	560.0	1.9	0.0	18.0	8.1	69.0	500.0	2.9	19.0	0.0	0.0	0.0	17.0	30.0	120.0
2023-Q2		ug/L																	
2023-Q3		ug/L																	
2023-Q4		ug/L																	
2024-Q1		ug/L																	
2024-Q2		ug/L																	
2024-Q3		ug/L																	
2024-Q4		ug/L																	
MW-13 DOWN GRADIENT BACKGROUND																			
2022-Q4	29-Dec-22	ug/L	0.0	11.0	140.0	1.2	0.0	17.0	6.1	32.0	330.0	0.0	8.9	6.1	4.6	0.0	14.0	16.0	160.0
2023-Q1	16-Jan-23	ug/L	0.0	0.0	36.0	0.0	0.0	3.2	3.7	3.9	42.0	0.0	0.0	6.0	0.0	0.0	11.0	0.0	24.0
2023-Q2		ug/L																	
2023-Q3		ug/L																	
2023-Q4		ug/L																	
2024-Q1		ug/L																	
2024-Q2		ug/L																	
2024-Q3		ug/L																	
2024-Q4		ug/L																	
MW-13A DOWN GRADIENT BACKGROUND																			
2022-Q4	29-Dec-22	ug/L	0.0	44.0	1,200	6.5	260.0	37.0	27.0	200.0	16,000	3.8	110.0	0.0	3.3	0.0	18.0	58.0	38,000
2023-Q1	16-Jan-23	ug/L	0.0	23.0	740.0	3.0	240.0	16.0	14.0	97.0	#####	2.4	85.0	0.0	1.6	0.0	6.7	27.0	37,000
2023-Q2		ug/L																	
2023-Q3		ug/L																	
2023-Q4		ug/L																	
2024-Q1		ug/L																	
2024-Q2		ug/L																	
2024-Q3		ug/L																	
2024-Q4		ug/L																	

Notes: (1) A "0" value denotes NOT DETECTABLE laboratory result, (2) A "blank" cell in the table denotes no data collected, (3) Pump failed on 29-Dec on well PZ-4.
Sample collected using bailer.

EPA 245.1 - MERCURY (CVAA)

GROUND WATER TEST RESULTS

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Period	Sample Date	Units	Mercury (Hg)		
LM-MW2 MILL SITE					
2022-Q4	29-Dec-22	ug/L	0		
2023-Q1	16-Jan-23	ug/L	Dry Well		
2023-Q2		ug/L			
2023-Q3		ug/L			
2023-Q4		ug/L			
2024-Q1		ug/L			
2024-Q2		ug/L			
2024-Q3		ug/L			
2024-Q4		ug/L			
LM-MW3 MILL SITE					
2022-Q4	29-Dec-22	ug/L	0		
2023-Q1	16-Jan-23	ug/L	0		
2023-Q2		ug/L			
2023-Q3		ug/L			
2023-Q4		ug/L			
2024-Q1		ug/L			
2024-Q2		ug/L			
2024-Q3		ug/L			
2024-Q4		ug/L			
BMW-1 UPGRADIENT BACKGROUND					
2022-Q4	29-Dec-22	ug/L	0		
2023-Q1	16-Jan-23	ug/L	0		
2023-Q2		ug/L			
2023-Q3		ug/L			
2023-Q4		ug/L			
2024-Q1		ug/L			
2024-Q2		ug/L			
2024-Q3		ug/L			
2024-Q4		ug/L			
PZ-4 UPGRADIENT BACKGROUND (aka BMW-1A)					
2022-Q4(3)	08-Jan-23	ug/L	0		
2023-Q1	16-Jan-23	ug/L	0		
2023-Q2		ug/L			
2023-Q3		ug/L			
2023-Q4		ug/L			
2024-Q1		ug/L			
2024-Q2		ug/L			
2024-Q3		ug/L			
2024-Q4		ug/L			
MW-13 DOWN GRADIENT BACKGROUND					
2022-Q4	29-Dec-22	ug/L	0		
2023-Q1	16-Jan-23	ug/L	0		
2023-Q2		ug/L			
2023-Q3		ug/L			
2023-Q4		ug/L			
2024-Q1		ug/L			
2024-Q2		ug/L			
2024-Q3		ug/L			
2024-Q4		ug/L			
MW-13A DOWN GRADIENT BACKGROUND					
2022-Q4	29-Dec-22	ug/L	0		
2023-Q1	16-Jan-23	ug/L	0		
2023-Q2		ug/L			
2023-Q3		ug/L			
2023-Q4		ug/L			
2024-Q1		ug/L			
2024-Q2		ug/L			
2024-Q3		ug/L			
2024-Q4		ug/L			

Notes: (1) A "0" value denotes NOT DETECTABLE laboratory result, (2) A "blank" cell in the table denotes no data collected, (3) Pump failed on 29-Dec on well PZ-4. Sample collected using bailer.

GENERAL CHEMISTRY

GROUND WATER TEST RESULTS

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Period	Sample Date	Units	Chloride	Nitrate as N	Fluoride	Nitrite as N	Sulfate	Nitrogen Kjeldahl	Nitrate Nitrite as N	Cyanide, Total SW846	Alkalinity	Bicarbonate Alkalinity as CaCO3	Carbonate Alkalinity	Hydroxide Alkalinity	Total Dissolved Solids	Nitrogen, Total (EPA Total)
LM-MW2 MILL SITE																
2022-Q4	29-Dec-22	ug/L	33.0	2.3	0.0	0.0	330.0	0.0	1.9	0.0	190.0	190.0	0.0	0.0	680.0	1.9
2023-Q1	16-Jan-23	ug/L	Dry Well													
2023-Q2		ug/L														
2023-Q3		ug/L														
2023-Q4		ug/L														
2024-Q1		ug/L														
2024-Q2		ug/L														
2024-Q3		ug/L														
2024-Q4		ug/L														
LM-MW3 MILL SITE																
2022-Q4	29-Dec-22	ug/L	23.0	2.7	0.0	0.0	300.0	0.0	5.4	0.0	130.0	130.0	0.0	0.0	620.0	5.4
2023-Q1	16-Jan-23	ug/L	21.0	4.4	0.0	0.0	310.0	0.0	4.8	0.0	130.0	130.0	0.0	0.0	610.0	4.8
2023-Q2		ug/L														
2023-Q3		ug/L														
2023-Q4		ug/L														
2024-Q1		ug/L														
2024-Q2		ug/L														
2024-Q3		ug/L														
2024-Q4		ug/L														
BMW-1 UPGRADIENT BACKGROUND																
2022-Q4	29-Dec-22	ug/L	0.0	0.0	0.0	1.0	15.0	0.0	140.0	0.0	96.0	96.0	0.0	0.0	140.0	0.0
2023-Q1	16-Jan-23	ug/L	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	94.0	94.0	0.0	0.0	130.0	0.0
2023-Q2		ug/L														
2023-Q3		ug/L														
2023-Q4		ug/L														
2024-Q1		ug/L														
2024-Q2		ug/L														
2024-Q3		ug/L														
2024-Q4		ug/L														
PZ-4 UPGRADIENT BACKGROUND (aka BMW-1A)																
2022-Q4(3)	08-Jan-23	ug/L	28.0	3.5	0.0	0.0	85.0	0.0	3.7	0.0	200.0	200.0	0.0	0.0	380.0	
2023-Q1	16-Jan-23	ug/L	26.0	3.8	0.0	0.0	87.0	0.0	3.8	0.0	200.0	200.0	0.0	0.0	410.0	3.8
2023-Q2		ug/L														
2023-Q3		ug/L														
2023-Q4		ug/L														
2024-Q1		ug/L														
2024-Q2		ug/L														
2024-Q3		ug/L														
2024-Q4		ug/L														
MW-13 DOWN GRADIENT BACKGROUND																
2022-Q4	29-Dec-22	ug/L	7.8	2.5	0.0	0.0	440.0	0.0	5.0	0.0	120.0	120.0	0.0	0.0	740.0	5.0
2023-Q1	16-Jan-23	ug/L	8.0	2.3	0.0	0.0	400.0	0.0	5.0	0.0	120.0	120.0	0.0	0.0	760.0	5.0
2023-Q2		ug/L														
2023-Q3		ug/L														
2023-Q4		ug/L														
2024-Q1		ug/L														
2024-Q2		ug/L														
2024-Q3		ug/L														
2024-Q4		ug/L														
MW-13A DOWN GRADIENT BACKGROUND																
2022-Q4	29-Dec-22	ug/L	16.0	4.1	0.0	0.0	620.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	900.0	3.6
2023-Q1	16-Jan-23	ug/L	15.0	3.5	0.0	0.0	650.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	1,000.0	3.5
2023-Q2		ug/L														
2023-Q3		ug/L														
2023-Q4		ug/L														
2024-Q1		ug/L														
2024-Q2		ug/L														
2024-Q3		ug/L														
2024-Q4		ug/L														

Notes: (1) A "0" value denotes NOT DETECTABLE laboratory result, (2) A "blank" cell in the table denotes no data collected, (3) Pump failed on 29-Dec on well PZ-4. Sample collected using bailer.