

Hyd6 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Aluminum, dissolved by Method SW 6020A (ug/L)	Antimony, dissolved by Method SW 6020A (ug/L)	Arsenic, dissolved by Method SW 6020A (ug/L)	Barium, dissolved by Method SW 6020A (ug/L)	Beryllium, dissolved by Method SW 6020A (ug/L)	Boron, dissolved by Method SW 6020A (mg/L)
HNWR-01A-098	HNWR-01A-098-Q223	N	LF	--	GW	5/18/2023	117	< 1000 U	< 5.0 U	< 5.0 U	26.7	< 5.0 U	0.15
HNWR-01A-174	HNWR-01A-174-Q223	N	LF	--	GW	5/18/2023	88.9	< 1000 U	< 5.0 U	< 5.0 U	27	< 5.0 U	0.134
MTS-1	MTS-1-Q223	N	EP	--	GW	5/19/2023	74.7	< 1000 U	< 5.0 U	11	77.4	< 5.0 U	0.751
MTS-2	MTS-2-Q223	N	EP	--	GW	5/19/2023	74	< 1000 U	< 5.0 U	19	93.2	< 5.0 U	0.871
MW-94-030	MW-94-030-Q223	N	LF	--	GW	5/19/2023	82.8	< 1000 U	< 5.0 U	< 5.0 U	68.2	< 5.0 U	0.646
MW-94-100	MW-94-100-Q223	N	LF	--	GW	5/19/2023	82.7	< 1000 U	< 5.0 U	8.27	80.2	< 5.0 U	0.567 J
MW-94-100	MW-901-Q223	FD	--	MW-94-100-Q223	GW	5/19/2023	83	< 1000 U	< 5.0 U	7.99	79.8	< 5.0 U	0.61
MW-94-175	MW-94-175-Q223	N	LF	--	GW	5/19/2023	96.7	< 1000 U	< 5.0 U	12	102	< 5.0 U	0.464 J
MW-99-060	MW-99-060-Q223	N	LF	--	GW	5/19/2023	340	< 1000 U	< 5.0 U	6.4	30.8	< 5.0 U	1.16 J
MW-99-140	MW-99-140-Q223	N	LF	--	GW	5/19/2023	166	< 1000 U	< 5.0 U	6.56	81.2	< 5.0 U	0.632 J
PGE-09N	PGE-09N-Q223	N	LF	--	GW	5/18/2023	654	< 1000 U	< 5.0 U	95.3	72.9	< 5.0 U	2.07
PGE-09S	PGE-09S-Q223	N	LF	--	GW	5/18/2023	381	< 1000 U	< 5.0 U	59.2	59.6	< 5.0 U	2.09
PGE-09S	MW-902-Q223	FD	--	PGE-09S-Q223	GW	5/18/2023	385	< 1000 U	< 5.0 U	56.6	61.1	< 5.0 U	2.03
SITE B-165	SITE B-165-Q223	N	3V	--	GW	5/18/2023	86.9	< 1000 U	< 5.0 U	< 5.0 U	29.9	< 5.0 U	0.0876
SITE B-220	SITE B-220-Q223	N	3V	--	GW	5/18/2023	87	< 1000 U	< 5.0 U	< 5.0 U	30.1	< 5.0 U	0.0888
SITE B-285	SITE B-285-Q223	N	3V	--	GW	5/18/2023	86	< 1000 U	< 5.0 U	< 5.0 U	30	< 5.0 U	0.0856
TOPOCK-2	TOPOCK-2-Q223	N	EP	--	GW	6/14/2023	97.8	< 1000 U	< 5.0 U	9.97	81.3	< 5.0 U	0.451
TOPOCK-3	TOPOCK-3-Q223	N	EP	--	GW	6/14/2023	90.9	< 1000 U	< 5.0 U	12	58.3	< 5.0 U	0.527

Notes:

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Hyd6 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Cadmium, dissolved by Method SW 6020A (ug/L)	Calcium by Method SW 6020A (ug/L)	Calcium, dissolved by Method SW 6020A (mg/L)	Chloride by Method EPA 300.0 (mg/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Chromium, total dissolved by Method SW 6020A (ug/L)	Cobalt, dissolved by Method SW 6020A (ug/L)
HNWR-01A-098	HNWR-01A-098-Q223	N	LF	--	GW	5/18/2023	< 5.0 U	32400	7.85	609	14.5	6.73	< 5.0 U
HNWR-01A-174	HNWR-01A-174-Q223	N	LF	--	GW	5/18/2023	< 5.0 U	29300	7.07	523	14.4	8.29	< 5.0 U
MTS-1	MTS-1-Q223	N	EP	--	GW	5/19/2023	< 5.0 U	79600	79.6	850	0.858	< 5.0 U	< 5.0 U
MTS-2	MTS-2-Q223	N	EP	--	GW	5/19/2023	< 5.0 U	104000	103	629	11.2	12.2	< 5.0 U
MW-94-030	MW-94-030-Q223	N	LF	--	GW	5/19/2023	< 5.0 U	55500	56.3	301	19.9	22.3	< 5.0 U
MW-94-100	MW-94-100-Q223	N	LF	--	GW	5/19/2023	< 5.0 U	54800	52.1	397	6.4	7.47	< 5.0 U
MW-94-100	MW-901-Q223	FD	--	MW-94-100-Q223	GW	5/19/2023	< 5.0 U	57600	52.7	393	6.32	7.61	< 5.0 U
MW-94-175	MW-94-175-Q223	N	LF	--	GW	5/19/2023	< 5.0 U	26100	26.2	206	14.9	17.5	< 5.0 U
MW-99-060	MW-99-060-Q223	N	LF	--	GW	5/19/2023	< 5.0 U	62800	62.3	430	< 0.20 U	< 5.0 U	< 5.0 U
MW-99-140	MW-99-140-Q223	N	LF	--	GW	5/19/2023	< 5.0 U	60400	60.1	425	2.33	5.24	< 5.0 U
PGE-09N	PGE-09N-Q223	N	LF	--	GW	5/18/2023	< 5.0 U	340000	346	4040	< 0.20 U	< 5.0 U	< 5.0 U
PGE-09S	PGE-09S-Q223	N	LF	--	GW	5/18/2023	< 5.0 U	225000	223	3730	< 0.20 U	< 5.0 U	< 5.0 U
PGE-09S	MW-902-Q223	FD	--	PGE-09S-Q223	GW	5/18/2023	< 5.0 U	222000	216	3690	< 1.0 U	< 5.0 U	< 5.0 U
SITE B-165	SITE B-165-Q223	N	3V	--	GW	5/18/2023	< 5.0 U	37200	11.1	299	32.6	26.2	< 5.0 U
SITE B-220	SITE B-220-Q223	N	3V	--	GW	5/18/2023	< 5.0 U	36800	9.03	309	32.3	22.7	< 5.0 U
SITE B-285	SITE B-285-Q223	N	3V	--	GW	5/18/2023	< 5.0 U	35700	9	311	32.6	19.2	< 5.0 U
TOPOCK-2	TOPOCK-2-Q223	N	EP	--	GW	6/14/2023	< 5.0 U	28900	28.7	224	8.55	13.1	< 5.0 U
TOPOCK-3	TOPOCK-3-Q223	N	EP	--	GW	6/14/2023	< 5.0 U	36000	36	319	12.6	14.6	< 5.0 U

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Copper, dissolved by Method SW 6020A (ug/L)	Deuterium by Method CF-IRMS (0/00)	Fluoride by Method EPA 300.0 (mg/L)	Iron, dissolved by Method SW 6020A (ug/L)	Lead, dissolved by Method SW 6020A (ug/L)	Magnesium by Method SW 6020A (ug/L)	Magnesium, dissolved by Method SW 6020A (mg/L)
HNWR-01A-098	HNWR-01A-098-Q223	N	LF	--	GW	5/18/2023	< 10 U	-74.5	4.55	< 500 U	< 5.0 U	2590	0.613
HNWR-01A-174	HNWR-01A-174-Q223	N	LF	--	GW	5/18/2023	< 10 U	-74.9	4.51	< 500 U	< 5.0 U	2310	0.544
MTS-1	MTS-1-Q223	N	EP	--	GW	5/19/2023	< 10 U	-75	5.14	< 500 U	< 5.0 U	4550	4.41
MTS-2	MTS-2-Q223	N	EP	--	GW	5/19/2023	< 10 U	-75	5.27	< 500 U	< 5.0 U	3830	3.69
MW-94-030	MW-94-030-Q223	N	LF	--	GW	5/19/2023	< 10 U	-70.7	3.84	< 500 U	< 5.0 U	12700	12.7
MW-94-100	MW-94-100-Q223	N	LF	--	GW	5/19/2023	< 10 U	-72.9	3.38	< 500 U	< 5.0 U	7800	7.34
MW-94-100	MW-901-Q223	FD	--	MW-94-100-Q223	GW	5/19/2023	< 10 U	-72.7	3.41	< 500 U	< 5.0 U	7980	7.2
MW-94-175	MW-94-175-Q223	N	LF	--	GW	5/19/2023	< 10 U	-73.6	3.86	< 500 U	< 5.0 U	1740	1.7
MW-99-060	MW-99-060-Q223	N	LF	--	GW	5/19/2023	< 10 U	-72.2	2.83	< 500 U	< 5.0 U	22700	22.8
MW-99-140	MW-99-140-Q223	N	LF	--	GW	5/19/2023	< 10 U	-73.6	3.91	< 500 U	< 5.0 U	9420	9.82
PGE-09N	PGE-09N-Q223	N	LF	--	GW	5/18/2023	< 10 U	-80.8	3.45	6620	< 5.0 U	177000	173
PGE-09S	PGE-09S-Q223	N	LF	--	GW	5/18/2023	< 10 U	-80	2.66	2980	< 5.0 U	112000	110
PGE-09S	MW-902-Q223	FD	--	PGE-09S-Q223	GW	5/18/2023	< 10 U	-79.5	2.61	2990	< 5.0 U	112000	107
SITE B-165	SITE B-165-Q223	N	3V	--	GW	5/18/2023	< 10 U	-76.6	4.36	< 500 U	< 5.0 U	7570	1.77
SITE B-220	SITE B-220-Q223	N	3V	--	GW	5/18/2023	< 10 U	-76.2	4.3	< 500 U	< 5.0 U	7550	1.83
SITE B-285	SITE B-285-Q223	N	3V	--	GW	5/18/2023	< 10 U	-75.9	4.46	< 500 U	< 5.0 U	7320	1.8
TOPOCK-2	TOPOCK-2-Q223	N	EP	--	GW	6/14/2023	< 10 U	-71.8	4.02	< 500 U	< 5.0 U	3950	4.25
TOPOCK-3	TOPOCK-3-Q223	N	EP	--	GW	6/14/2023	< 10 U	-72.3	3.92	< 500 U	< 5.0 U	4250	4.44

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by Method SW 6020A (ug/L)	Mercury, dissolved by Method 7470A (ug/L)	Molybdenum, dissolved by Method SW 6020A (ug/L)	Nickel, dissolved by Method SW 6020A (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Oxygen 18 by Method CF-IRMS (0/00)	Potassium by Method SW 6020A (ug/L)
HNWR-01A-098	HNWR-01A-098-Q223	N	LF	--	GW	5/18/2023	< 50 U	< 0.50 U	< 10 U	< 5.0 U	2.35	-10.05	7680
HNWR-01A-174	HNWR-01A-174-Q223	N	LF	--	GW	5/18/2023	< 50 U	< 0.50 U	< 10 U	7.26	2.1	-10.04	6940
MTS-1	MTS-1-Q223	N	EP	--	GW	5/19/2023	< 50 U	< 0.50 U	15.9	< 5.0 UJ	1.74	-10.04	7740
MTS-2	MTS-2-Q223	N	EP	--	GW	5/19/2023	< 50 U	< 0.50 U	20.2	< 5.0 UJ	1.7	-9.99	8410
MW-94-030	MW-94-030-Q223	N	LF	--	GW	5/19/2023	< 50 U	< 0.50 U	14.9	< 5.0 UJ	3.18	-9.51	6830
MW-94-100	MW-94-100-Q223	N	LF	--	GW	5/19/2023	53.3	< 0.50 U	21.8	80 J	1.98	-9.74	7680
MW-94-100	MW-901-Q223	FD	--	MW-94-100-Q223	GW	5/19/2023	< 50 U	< 0.50 U	21.5	76.1 J	1.84	-9.71	7830
MW-94-175	MW-94-175-Q223	N	LF	--	GW	5/19/2023	< 50 U	< 0.50 U	11.8	< 5.0 UJ	2.34	-10	6000
MW-99-060	MW-99-060-Q223	N	LF	--	GW	5/19/2023	149	< 0.50 U	42.7	7.95 J	< 0.10 U	-9.59	11700
MW-99-140	MW-99-140-Q223	N	LF	--	GW	5/19/2023	< 50 U	< 0.50 U	20	13 J	2.6	-9.77	8600
PGE-09N	PGE-09N-Q223	N	LF	--	GW	5/18/2023	1300	< 0.50 U	39.8	< 5.0 U	< 0.20 U	-10.14	22000
PGE-09S	PGE-09S-Q223	N	LF	--	GW	5/18/2023	480	< 0.50 U	46.8	< 5.0 U	< 0.20 U	-10.08	19500
PGE-09S	MW-902-Q223	FD	--	PGE-09S-Q223	GW	5/18/2023	493	< 0.50 U	49.5	< 5.0 U	< 0.20 U	-10.03	19000
SITE B-165	SITE B-165-Q223	N	3V	--	GW	5/18/2023	< 50 U	< 0.50 U	< 10 U	9.53	2.42	-10.19	5990
SITE B-220	SITE B-220-Q223	N	3V	--	GW	5/18/2023	< 50 U	< 0.50 U	< 10 U	8.04	2.39	-10.2	6000
SITE B-285	SITE B-285-Q223	N	3V	--	GW	5/18/2023	< 50 U	< 0.50 U	< 10 U	7.28	2.59	-10.22	5770
TOPOCK-2	TOPOCK-2-Q223	N	EP	--	GW	6/14/2023	92.8	< 0.50 U	16.5	< 5.0 U	2.22	-9.88	5450
TOPOCK-3	TOPOCK-3-Q223	N	EP	--	GW	6/14/2023	< 50 U	< 0.50 U	20.4	< 5.0 U	2.02	-9.78	6410

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Potassium, dissolved by Method SW 6020A (mg/L)	Selenium, dissolved by Method SW 6020A (ug/L)	Silver, dissolved by Method SW 6020A (ug/L)	Sodium by Method SW 6020A (ug/L)	Sodium, dissolved by Method SW 6020A (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Thallium, dissolved by Method SW 6020A (ug/L)
HNWR-01A-098	HNWR-01A-098-Q223	N	LF	--	GW	5/18/2023	1.83	< 5.0 U	< 5.0 U	452000	112	76.3	< 5.0 U
HNWR-01A-174	HNWR-01A-174-Q223	N	LF	--	GW	5/18/2023	1.73	< 5.0 U	< 5.0 U	400000	101	70.8	< 5.0 U
MTS-1	MTS-1-Q223	N	EP	--	GW	5/19/2023	7.87 J	< 5.0 U	< 5.0 U	361000	372	125	< 5.0 U
MTS-2	MTS-2-Q223	N	EP	--	GW	5/19/2023	8.2 J	< 5.0 U	< 5.0 U	407000	401	125	< 5.0 U
MW-94-030	MW-94-030-Q223	N	LF	--	GW	5/19/2023	6.82 J	< 5.0 U	< 5.0 U	230000	231	135	< 5.0 U
MW-94-100	MW-94-100-Q223	N	LF	--	GW	5/19/2023	7.82 J	< 5.0 U	< 5.0 U	293000	289	95.8	< 5.0 U
MW-94-100	MW-901-Q223	FD	--	MW-94-100-Q223	GW	5/19/2023	7.77 J	< 5.0 U	< 5.0 U	292000	290	96.8	< 5.0 U
MW-94-175	MW-94-175-Q223	N	LF	--	GW	5/19/2023	6.09 J	< 5.0 U	< 5.0 U	199000	203	57.5	< 5.0 U
MW-99-060	MW-99-060-Q223	N	LF	--	GW	5/19/2023	11.6 J	< 5.0 U	< 5.0 U	449000	445	209	< 5.0 U
MW-99-140	MW-99-140-Q223	N	LF	--	GW	5/19/2023	8.79 J	< 5.0 U	< 5.0 U	330000	337	128	< 5.0 U
PGE-09N	PGE-09N-Q223	N	LF	--	GW	5/18/2023	21.8	< 5.0 U	< 5.0 U	2750000	2750	1180	< 5.0 U
PGE-09S	PGE-09S-Q223	N	LF	--	GW	5/18/2023	20.3	< 5.0 U	< 5.0 U	2530000	2640	962	< 5.0 U
PGE-09S	MW-902-Q223	FD	--	PGE-09S-Q223	GW	5/18/2023	18.7	< 5.0 U	< 5.0 U	2560000	2570	880	< 5.0 U
SITE B-165	SITE B-165-Q223	N	3V	--	GW	5/18/2023	1.47	< 5.0 U	< 5.0 U	233000	73	68.5	< 5.0 U
SITE B-220	SITE B-220-Q223	N	3V	--	GW	5/18/2023	1.49	< 5.0 U	< 5.0 U	232000	59.6	69.5	< 5.0 U
SITE B-285	SITE B-285-Q223	N	3V	--	GW	5/18/2023	1.52	< 5.0 U	< 5.0 U	230000	60.2	69.6	< 5.0 U
TOPOCK-2	TOPOCK-2-Q223	N	EP	--	GW	6/14/2023	5.7	< 5.0 U	< 5.0 U	195000	201	64.4	< 5.0 U
TOPOCK-3	TOPOCK-3-Q223	N	EP	--	GW	6/14/2023	6.68	< 5.0 U	< 5.0 U	250000	256	79.7	< 5.0 U

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HNWR-01A-098	HNWR-01A-098-Q223	N	LF	--	GW	5/18/2023	1220	< 1.0 U	< 5.0 U	242
HNWR-01A-174	HNWR-01A-174-Q223	N	LF	--	GW	5/18/2023	1050	< 1.0 U	< 5.0 U	239
MTS-1	MTS-1-Q223	N	EP	--	GW	5/19/2023	1710	< 1.0 U	6.57	100 R
MTS-2	MTS-2-Q223	N	EP	--	GW	5/19/2023	1350	< 1.0 U	13.1	100 R
MW-94-030	MW-94-030-Q223	N	LF	--	GW	5/19/2023	802	< 1.0 U	16.2	100 R
MW-94-100	MW-94-100-Q223	N	LF	--	GW	5/19/2023	922	< 2.0 U	14.2	100 R
MW-94-100	MW-901-Q223	FD	--	MW-94-100-Q223	GW	5/19/2023	884	< 2.0 U	14.5	100 R
MW-94-175	MW-94-175-Q223	N	LF	--	GW	5/19/2023	561	< 1.0 U	19.6	100 R
MW-99-060	MW-99-060-Q223	N	LF	--	GW	5/19/2023	1360	2.15	< 5.0 U	100 R
MW-99-140	MW-99-140-Q223	N	LF	--	GW	5/19/2023	1060	< 1.0 U	9.93	268 J
PGE-09N	PGE-09N-Q223	N	LF	--	GW	5/18/2023	8800	10.6	< 5.0 U	248
PGE-09S	PGE-09S-Q223	N	LF	--	GW	5/18/2023	7420	7.62	< 5.0 U	238
PGE-09S	MW-902-Q223	FD	--	PGE-09S-Q223	GW	5/18/2023	7420	7.45	< 5.0 U	< 100 U
SITE B-165	SITE B-165-Q223	N	3V	--	GW	5/18/2023	746	< 1.0 U	5.08	240
SITE B-220	SITE B-220-Q223	N	3V	--	GW	5/18/2023	741	< 1.0 U	< 5.0 U	249
SITE B-285	SITE B-285-Q223	N	3V	--	GW	5/18/2023	737	< 1.0 U	< 5.0 U	240
TOPOCK-2	TOPOCK-2-Q223	N	EP	--	GW	6/14/2023	665	< 1.0 U	14.1	< 100 U
TOPOCK-3	TOPOCK-3-Q223	N	EP	--	GW	6/14/2023	836	< 1.0 U	19.1	< 100 U

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Non-Routine Sampling 2023-Q2

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)	Manganese, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
PT1D	PT1D-0623	N	LF	GW	6/16/2023	< 0.10 U	59 J	< 1.0 U	34	2400	< 0.50 U	970	< 1.0 U
PT2D	PT2D-0623	N	LF	GW	6/16/2023	< 0.10 U	47 J	< 1.0 U	85	1800	< 0.50 U	730	< 1.0 U
PT3D	PT3D-0623	N	LF	GW	6/16/2023	< 0.10 U	32 J	22	< 20 U	120	< 0.50 U	920	< 1.0 U
PT4D	PT4D-0623	N	LF	GW	6/16/2023	< 0.10 U	33 J	49	< 20 U	1.4	0.91	1000	< 1.0 U
PT6D	PT6D-0623	N	LF	GW	6/16/2023	< 0.10 U	36 J	260	< 20 U	4.6	0.92	960	< 1.0 U

Notes:

All samples were sent to Asset Laboratory for analyses with the exception of total organic carbon. Total organic carbon was analyzed at Enthalpy labs.

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste

OMM 2023-Q3 Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Chromium, total by Method SW 6020 (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)	Manganese, dissolved by Method SW 6020 (ug/L)
RPWC_EFF	RPWC_EFF-20230706	N	WATER	7/6/2023	< 0.20 U	15	34	740
RPWC_EFF	RPWC_EFF-20230711	N	GW	7/11/2023	0.23	8.7	220	550
RPWC_EFF	RPWC_EFF-20230718	N	GW	7/18/2023	< 0.20 U	14	440	350
RPWC_EFF	RPWC_EFF-20230725	N	WATER	7/25/2023	< 0.20 U	2.3	470	240
RPWC_INF	RPWC_INF-20230706	N	WATER	7/6/2023	< 0.20 U	26	49	750
RPWC_INF	RPWC_INF-20230711	N	GW	7/11/2023	0.26	24	160	550
RPWC_INF	RPWC_INF-20230718	N	GW	7/18/2023	< 0.20 U	46	390	340
RPWC_INF	RPWC_INF-20230725	N	WATER	7/25/2023	< 0.20 U	9.5	< 20 U	230
RPWC_MID	RPWC_MID-20230706	N	WATER	7/6/2023	< 0.20 U	15	74	840
RPWC_MID	RPWC_MID-20230711	N	GW	7/11/2023	0.28	12	96	710
RPWC_MID	RPWC_MID-20230718	N	GW	7/18/2023	< 0.20 U	4.4	460	360
RPWC_MID	RPWC_MID-20230725	N	WATER	7/25/2023	< 0.20 U	2.6	320	260

Notes:

All samples were sent to Asset Laboratory for analyses.

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste

PCM 2023-04 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)	Manganese, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)
MW-20-070	MW-20-070-0423	N	LF	-	GW	4/5/2023	1.3	32 J	530	200 J	4.4	17
MW-20-100	MW-20-100-0423	N	LF	-	GW	4/5/2023	< 0.10 U	44 J	1800	150 J	2.2	8.5
MW-20-130	MW-20-130-0423	N	LF	-	GW	4/5/2023	< 0.10 U	36 J	1800	170 J	8.7	5.3
MW-21	MW-21-0423	N	LF	-	GW	4/5/2023	13	32 J	< 0.20 U	520 J	210	< 0.50 U
MW-26	MW-26-0423	N	LF	-	GW	4/5/2023	< 0.10 U	120 J	1	510 J	870	< 0.50 U
MW-30-050	MW-30-050-0423	N	LF	-	GW	4/6/2023	< 0.10 U	31	< 0.20 U	420	5.7	< 0.50 U
MW-31-060	MW-31-060-0423	N	LF	-	GW	4/4/2023	0.86 J	140	0.41	65	840 J	< 0.50 U
MW-31-135	MW-31-135-0423	N	LF	-	GW	4/4/2023	< 0.10 UJ	37	16	< 20 U	5.3 J	< 0.50 U
MW-34-080	MW-34-080-0423	N	LF	-	GW	4/5/2023	< 0.10 U	43 J	< 0.20 U	1200 J	160	< 0.50 U
MW-36-090	MW-36-090-0423	N	LF	-	GW	4/4/2023	< 0.10 UJ	76	< 0.20 U	85	230 J	< 0.50 U
MW-36-100	MW-36-100-0423	N	LF	-	GW	4/4/2023	2.2 J	69	< 0.20 U	1000	620 J	< 0.50 U
MW-36-100	MW-904-Q223	FD	-	MW-36-100-0423	GW	4/4/2023	2.2 J	71	< 0.20 U	980	650 J	< 0.50 U
MW-39-040	MW-39-040-0423	N	LF	-	GW	4/6/2023	11	81	< 0.20 U	390	100	< 0.25 U
MW-39-050	MW-39-050-0423	N	LF	-	GW	4/6/2023	1.6	45	< 0.20 U	47	210	< 0.25 U
MW-39-060	MW-39-060-0423	N	LF	-	GW	4/6/2023	1.5	43	< 0.20 U	130	250	< 0.25 U
MW-39-070	MW-39-070-0423	N	LF	-	GW	4/6/2023	0.34	78	< 0.20 U	41	25	< 0.50 U
MW-39-080	MW-39-080-0423	N	LF	-	GW	4/6/2023	2.4	21	40	46	350	< 0.50 U
MW-39-100	MW-39-100-0423	N	LF	-	GW	4/6/2023	< 0.10 U	29	200	31	8.3	< 0.50 U
MW-44-115	MW-44-115-0423	N	LF	-	GW	4/4/2023	< 0.10 UJ	23	10	< 20 U	8.7 J	< 0.50 U
MW-44-125	MW-44-125-0423	N	LF	-	GW	4/4/2023	< 0.10 UJ	43	1.1	240	440 J	< 0.50 U
MW-44-125	MW-905-Q223	FD	-	MW-44-125-0423	GW	4/4/2023	< 0.10 UJ	42	< 1.0 U	260	440 J	< 0.50 U
MW-45-095A	MW-45-095A-0423	N	LF	-	GW	4/5/2023	< 0.10 U	31 J	1.3	250 J	91	< 0.50 U
MW-51	MW-51-0423	N	LF	-	GW	4/5/2023	1.9	67 J	0.77	370 J	240	< 0.50 U
MW-71-035	MW-71-035-0423	N	LF	-	GW	4/5/2023	2.1 J	42 J	1.2 J	360 J	16 J	2.6 J
MW-71-035	MW-903-Q223	FD	-	MW-71-035-0423	GW	4/5/2023	3.4 J	51 J	1.5 J	830 J	9.3 J	3.8 J
MW-76-039	MW-76-039-0423	N	LF	-	GW	4/3/2023	< 0.10 U	140 J	180	77	1.9 J	1.1
MW-76-156	MW-76-156-0423	N	LF	-	GW	4/3/2023	< 0.10 U	38 J	44	< 20 U	7.2 J	< 0.50 U
MW-76-181	MW-76-181-0423	N	LF	-	GW	4/3/2023	< 0.10 U	41 J	370	< 20 U	18 J	< 0.50 U
MW-76-218	MW-76-218-0423	N	LF	-	GW	4/3/2023	0.36 J	44 J	< 1.0 U	< 20 U	84 J	< 0.50 U
MW-77-046	MW-77-046-0423	N	LF	-	GW	4/3/2023	1.4	59 J	2.6	< 20 U	470 J	< 0.50 U
MW-77-102	MW-77-102-0423	N	LF	-	GW	4/3/2023	< 0.10 U	76 J	< 1.0 U	< 20 U	120 J	0.75
MW-77-158	MW-77-158-0423	N	LF	-	GW	4/3/2023	< 0.10 U	40 J	< 1.0 U	38	55 J	< 0.50 U
MW-77-187	MW-77-187-0423	N	LF	-	GW	4/3/2023	< 0.10 U	23 J	18	< 20 U	12 J	< 0.50 U
MW-78-070	MW-78-070-0423	N	LF	-	GW	4/5/2023	< 0.10 U	140 J	20	250 J	76	< 0.50 U
MW-78-142	MW-78-142-0423	N	LF	-	GW	4/5/2023	0.66	33 J	2000	180 J	6.7	3.3
MW-79-058	MW-79-058-0423	N	LF	-	GW	4/5/2023	< 0.10 U	180 J	160	250 J	4.9	< 0.50 U
MW-79-102	MW-79-102-0423	N	LF	-	GW	4/5/2023	< 0.10 U	62 J	46 J	140 J	33 J	< 0.50 U
MW-79-102	MW-906-Q223	FD	-	MW-79-102-0423	GW	4/5/2023	< 0.10 U	63 J	6.2 J	170 J	350 J	< 0.50 U
MW-80-057	MW-80-057-0423	N	LF	-	GW	4/5/2023	< 0.10 U	80 J	250	160 J	3.5	3.4
MW-80-082	MW-80-082-0423	N	LF	-	GW	4/5/2023	0.97	75 J	6.5	160 J	380	< 0.50 U
MW-81-043	MW-81-043-0423	N	LF	-	GW	4/4/2023	< 0.10 UJ	150	15	< 20 U	31 J	< 0.50 U
MW-81-098	MW-81-098-0423	N	LF	-	GW	4/4/2023	< 0.10 UJ	50	9.9	22	80 J	0.52
MW-82-046	MW-82-046-0423	N	LF	-	GW	4/4/2023	19 J	61	< 1.0 U	6500	320 J	< 0.50 U

PCM 2023-04 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
MW-20-070	MW-20-070-0423	N	LF	-	GW	4/5/2023	--	320	1.2
MW-20-100	MW-20-100-0423	N	LF	-	GW	4/5/2023	--	540	1.9
MW-20-130	MW-20-130-0423	N	LF	-	GW	4/5/2023	--	1400	4.4
MW-21	MW-21-0423	N	LF	-	GW	4/5/2023	--	990	4.9
MW-26	MW-26-0423	N	LF	-	GW	4/5/2023	--	330	2
MW-30-050	MW-30-050-0423	N	LF	-	GW	4/6/2023	--	210	2.5
MW-31-060	MW-31-060-0423	N	LF	-	GW	4/4/2023	--	100	3.6
MW-31-135	MW-31-135-0423	N	LF	-	GW	4/4/2023	--	550	1.1
MW-34-080	MW-34-080-0423	N	LF	-	GW	4/5/2023	--	750	1.7
MW-36-090	MW-36-090-0423	N	LF	-	GW	4/4/2023	--	490	< 1.0 U
MW-36-100	MW-36-100-0423	N	LF	-	GW	4/4/2023	< 0.10 U	440	2.3
MW-36-100	MW-904-Q223	FD	-	MW-36-100-0423	GW	4/4/2023	< 0.10 U	490	2.4
MW-39-040	MW-39-040-0423	N	LF	-	GW	4/6/2023	--	120	< 1.0 U
MW-39-050	MW-39-050-0423	N	LF	-	GW	4/6/2023	--	200	2.1
MW-39-060	MW-39-060-0423	N	LF	-	GW	4/6/2023	--	230	2.6
MW-39-070	MW-39-070-0423	N	LF	-	GW	4/6/2023	--	410	3.6
MW-39-080	MW-39-080-0423	N	LF	-	GW	4/6/2023	--	720	1.4
MW-39-100	MW-39-100-0423	N	LF	-	GW	4/6/2023	--	1000	2.2
MW-44-115	MW-44-115-0423	N	LF	-	GW	4/4/2023	--	1000	< 1.0 U
MW-44-125	MW-44-125-0423	N	LF	-	GW	4/4/2023	< 0.10 U	1100	1.1
MW-44-125	MW-905-Q223	FD	-	MW-44-125-0423	GW	4/4/2023	< 0.10 U	1100	< 1.0 U
MW-45-095A	MW-45-095A-0423	N	LF	-	GW	4/5/2023	--	490	1.2
MW-51	MW-51-0423	N	LF	-	GW	4/5/2023	--	50	14
MW-71-035	MW-71-035-0423	N	LF	-	GW	4/5/2023	2.6	1000	3.6
MW-71-035	MW-903-Q223	FD	-	MW-71-035-0423	GW	4/5/2023	2.6	880	4.5
MW-76-039	MW-76-039-0423	N	LF	-	GW	4/3/2023	--	480	1.2
MW-76-156	MW-76-156-0423	N	LF	-	GW	4/3/2023	--	520	1.2
MW-76-181	MW-76-181-0423	N	LF	-	GW	4/3/2023	--	700	1.4
MW-76-218	MW-76-218-0423	N	LF	-	GW	4/3/2023	--	510	1.7
MW-77-046	MW-77-046-0423	N	LF	-	GW	4/3/2023	--	420	1.9
MW-77-102	MW-77-102-0423	N	LF	-	GW	4/3/2023	--	700	1.4
MW-77-158	MW-77-158-0423	N	LF	-	GW	4/3/2023	--	370	1.3
MW-77-187	MW-77-187-0423	N	LF	-	GW	4/3/2023	--	620	1.2
MW-78-070	MW-78-070-0423	N	LF	-	GW	4/5/2023	--	330	1.1
MW-78-142	MW-78-142-0423	N	LF	-	GW	4/5/2023	--	620	1.3
MW-79-058	MW-79-058-0423	N	LF	-	GW	4/5/2023	--	420	1.2
MW-79-102	MW-79-102-0423	N	LF	-	GW	4/5/2023	--	380	1.3
MW-79-102	MW-906-Q223	FD	-	MW-79-102-0423	GW	4/5/2023	--	370	1.1
MW-80-057	MW-80-057-0423	N	LF	-	GW	4/5/2023	--	440	1.1
MW-80-082	MW-80-082-0423	N	LF	-	GW	4/5/2023	--	360	1.1
MW-81-043	MW-81-043-0423	N	LF	-	GW	4/4/2023	--	460	< 1.0 U
MW-81-098	MW-81-098-0423	N	LF	-	GW	4/4/2023	--	740	1.2
MW-82-046	MW-82-046-0423	N	LF	-	GW	4/4/2023	--	1800	14

PCM 2023-04 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)	Manganese, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)
MW-82-112	MW-82-112-0423	N	LF	-	GW	4/4/2023	< 0.10 UJ	64	< 1.0 U	100	150 J	1.2
MW-82-168	MW-82-168-0423	N	LF	-	GW	4/4/2023	< 0.10 UJ	36	< 0.20 U	87	43 J	< 0.50 U
MW-82-198	MW-82-198-0423	N	LF		GW	4/4/2023	< 0.10 UJ	38	0.24	25	22 J	< 0.50 U
MW-82-198	MW-907-Q223	FD	-	MW-82-198-0423	GW	4/4/2023	< 0.10 UJ	39	0.24	22	23 J	< 0.50 U
TW-02D	TW-02D-0423	N	LF	-	GW	4/4/2023	2.5 J	16	19	< 20 U	55 J	< 0.50 U
TW-02S	TW-02S-0423	N	LF	-	GW	4/4/2023	< 0.10 UJ	240	44	< 20 U	< 0.50 UJ	< 0.50 U
TW-03D	TW-03D-0423	N	LF	-	GW	4/4/2023	1.9 J	21	42	< 20 U	32 J	< 0.50 U

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed
 ug/L = micrograms per liter
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

PCM 2023-04 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
MW-82-112	MW-82-112-0423	N	LF	-	GW	4/4/2023	--	780	1
MW-82-168	MW-82-168-0423	N	LF	-	GW	4/4/2023	--	400	1.2
MW-82-198	MW-82-198-0423	N	LF		GW	4/4/2023	--	580	< 1.0 U
MW-82-198	MW-907-Q223	FD	-	MW-82-198-0423	GW	4/4/2023	--	580	< 1.0 U
TW-02D	TW-02D-0423	N	LF	-	GW	4/4/2023	--	500	< 1.0 U
TW-02S	TW-02S-0423	N	LF	-	GW	4/4/2023	--	470	< 1.0 U
TW-03D	TW-03D-0423	N	LF	-	GW	4/4/2023	--	530	1

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed
 µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Chromium, total dissolved by Method SW 6020 (ug/L)	Iron by Method SW 6010B (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)
IRZ-09-100	IRZ-09-100-Q223	N	EP	-	GW	5/9/2023	--	--	14	--	23	< 20 U
IRZ-13D-210	IRZ-13D-210-Q223	N	EP	-	GW	5/9/2023	--	--	210	--	< 20 U	< 20 U
IRZ-13S-095	IRZ-13S-095-Q223	N	EP	-	GW	5/9/2023	--	--	60	--	180	< 20 U
IRZ-21-065	IRZ-21-065-Q223	N	EP	-	GW	6/16/2023	< 0.10 U	50 J	5.7	6.8 J	--	< 20 U
IRZ-21-157	IRZ-21-157-Q223	N	EP	-	GW	6/16/2023	< 0.10 U	45 J	5.4	7.7 J	--	< 20 U
IRZ-23-143	IRZ-23-143-Q223	N	EP	-	GW	5/9/2023	--	--	570	--	270	< 20 U
IRZ-25-100	IRZ-25-100-Q223	N	EP	-	GW	6/16/2023	< 0.10 U	120 J	610	710 J	--	30
IRZ-25-166	IRZ-25-166-Q223	N	EP	-	GW	6/16/2023	< 0.10 U	210 J	120	120 J	--	< 20 U
MW-20-070	MW-20-070-Q223	N	LF	-	GW	5/12/2023	1.4	26	290	290	--	< 20 UJ
MW-20-100	MW-20-100-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	61	930	1100	--	< 20 UJ
MW-20-130	MW-20-130-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	30	1300	1400	--	21 J
MW-20-130	MW-910-Q223	FD	-	MW-20-130-Q223	GW	5/12/2023	< 0.10 U	28	1200	1900	--	< 20 UJ
MW-21	MW-21-Q223	N	LF	-	GW	5/12/2023	8.5	28	< 0.20 U	1.7	--	240 J
MW-22	MW-22-Q223	N	LF	-	WATER	5/23/2023	3.3 J	210	< 1.0 U	< 1.0 U	--	13000
MW-26	MW-26-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	84	1.2	1.5	--	< 20 UJ
MW-27-020	MW-27-020-Q223	N	LF	-	GW	5/24/2023	0.56	98	< 0.20 U	< 1.0 U	--	< 20 U
MW-27-060	MW-27-060-Q223	N	LF	-	WATER	5/24/2023	9.6	100	< 0.20 U	< 1.0 U	--	470 J
MW-27-060	MW-911-Q223	FD	-	MW-27-060-Q223	WATER	5/24/2023	9.5	98	< 0.20 U	< 1.0 U	--	500
MW-27-085	MW-27-085-Q223	N	LF	-	WATER	5/24/2023	< 0.10 U	40	< 1.0 U	< 1.0 U	--	210 J
MW-28-025	MW-28-025-Q223	N	LF	-	GW	5/24/2023	0.71	65	< 0.20 U	< 1.0 U	--	< 20 U
MW-28-090	MW-28-090-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	30	< 0.20 U	< 1.0 U	--	1100 J
MW-29	MW-29-Q223	N	LF	-	GW	5/23/2023	--	--	< 0.20 U	< 1.0 U	--	--
MW-30-030	MW-30-030-Q223	N	LF	-	GW	5/11/2023	< 0.50 U	79	< 1.0 U	< 5.0 U	--	310 J
MW-30-050	MW-30-050-Q223	N	LF	-	GW	5/11/2023	2.4	23	< 0.20 U	< 1.0 U	--	76 J
MW-31-060	MW-31-060-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	420	< 0.20 U	< 1.0 U	--	65 J
MW-31-135	MW-31-135-Q223	N	LF	-	GW	5/12/2023	< 0.10 U	41	< 0.20 U	< 1.0 U	--	42 J
MW-32-020	MW-32-020-Q223	N	LF	-	WATER	5/23/2023	< 0.10 UJ	71	< 1.0 U	< 1.0 U	--	5700
MW-32-020	MW-912-Q223	FD	-	MW-912-Q223	WATER	5/23/2023	< 0.10 UJ	66	< 1.0 U	< 1.0 U	--	5800
MW-32-035	MW-32-035-Q223	N	LF	-	WATER	5/23/2023	16	130	< 1.0 U	< 1.0 U	--	9800
MW-33-040	MW-33-040-Q223	N	LF	-	GW	5/24/2023	--	--	< 1.0 U	< 1.0 U	--	--
MW-33-090	MW-33-090-Q223	N	LF	-	GW	5/24/2023	--	--	5	5.3	--	--
MW-33-150	MW-33-150-Q223	N	LF	-	GW	5/24/2023	--	--	8.1	8.4	--	--
MW-33-210	MW-33-210-Q223	N	LF	-	GW	5/24/2023	--	--	12	12	--	--
MW-34-055	MW-34-055-Q223	N	LF	-	GW	5/10/2023	4.7	39	< 0.20 U	< 1.0 U	--	120
MW-34-080	MW-34-080-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	42	< 0.20 U	< 1.0 U	--	960
MW-34-080	MW-913-Q223	FD	-	MW-34-080-Q223	GW	5/10/2023	< 0.10 U	42	< 0.20 U	< 1.0 U	--	920
MW-34-100	MW-34-100-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	21	< 1.0 U	< 1.0 U	--	25
MW-35-060	MW-35-060-Q223	N	LF	-	GW	5/23/2023	--	--	20	20	--	--
MW-35-135	MW-35-135-Q223	N	LF	-	GW	5/23/2023	--	--	24	24	--	--
MW-36-020	MW-36-020-Q223	N	LF	-	WATER	5/23/2023	0.79 J	100	< 0.20 U	< 1.0 U	--	880
MW-36-040	MW-36-040-Q223	N	LF	-	WATER	5/23/2023	6.7	76	< 0.20 U	< 1.0 U	--	630
MW-36-050	MW-36-050-Q223	N	LF	-	WATER	5/23/2023	4.8 J	35	< 0.20 U	< 1.0 U	--	210
MW-36-070	MW-36-070-Q223	N	LF	-	WATER	5/23/2023	2 J	38	< 0.20 U	--	--	130

PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by Method SW 6020 (ug/L)	Molybdenum, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (ug/L)	Sulfate by Method EPA 300.0 (mg/L)
IRZ-09-100	IRZ-09-100-Q223	N	EP	-	GW	5/9/2023	0.58	--	1.1	--	--	500
IRZ-13D-210	IRZ-13D-210-Q223	N	EP	-	GW	5/9/2023	3.5	--	< 0.50 U	--	--	610
IRZ-13S-095	IRZ-13S-095-Q223	N	EP	-	GW	5/9/2023	3	--	0.86	--	--	430
IRZ-21-065	IRZ-21-065-Q223	N	EP	-	GW	6/16/2023	30	15	< 0.25 U	--	< 0.50 U	240
IRZ-21-157	IRZ-21-157-Q223	N	EP	-	GW	6/16/2023	29	16	< 0.25 U	--	< 0.50 U	240
IRZ-23-143	IRZ-23-143-Q223	N	EP	-	GW	5/9/2023	< 0.50 U	--	2.5	--	--	490
IRZ-25-100	IRZ-25-100-Q223	N	EP	-	GW	6/16/2023	4.1	12	2.9	--	2.7	410
IRZ-25-166	IRZ-25-166-Q223	N	EP	-	GW	6/16/2023	< 0.50 U	4.5	< 0.50 U	--	0.57	420
MW-20-070	MW-20-070-Q223	N	LF	-	GW	5/12/2023	1	20	14	--	11	290
MW-20-100	MW-20-100-Q223	N	LF	-	GW	5/12/2023	< 0.50 U	4.7	5.2	--	14	760
MW-20-130	MW-20-130-Q223	N	LF	-	GW	5/12/2023	3.4	5.6	6.3	--	17	970
MW-20-130	MW-910-Q223	FD	-	MW-20-130-Q223	GW	5/12/2023	2.8	7.6	7	--	24	960
MW-21	MW-21-Q223	N	LF	-	GW	5/12/2023	150	82	< 0.50 U	--	0.62	1100
MW-22	MW-22-Q223	N	LF	-	WATER	5/23/2023	2500	--	< 0.50 U	< 0.10 U	--	--
MW-26	MW-26-Q223	N	LF	-	GW	5/12/2023	1800	7.4	< 0.50 U	--	< 0.50 U	340
MW-27-020	MW-27-020-Q223	N	LF	-	GW	5/24/2023	26	--	1.3	--	--	--
MW-27-060	MW-27-060-Q223	N	LF	-	WATER	5/24/2023	290	--	< 0.25 U	< 0.10 U	--	--
MW-27-060	MW-911-Q223	FD	-	MW-27-060-Q223	WATER	5/24/2023	270	--	< 0.25 U	< 0.10 U	--	--
MW-27-085	MW-27-085-Q223	N	LF	-	WATER	5/24/2023	220	--	< 0.25 U	< 0.10 U	--	--
MW-28-025	MW-28-025-Q223	N	LF	-	GW	5/24/2023	16	--	< 0.10 U	--	--	--
MW-28-090	MW-28-090-Q223	N	LF	-	GW	5/24/2023	430	--	< 0.25 U	--	--	--
MW-29	MW-29-Q223	N	LF	-	GW	5/23/2023	--	--	--	--	--	--
MW-30-030	MW-30-030-Q223	N	LF	-	GW	5/11/2023	66	--	< 0.25 U	--	--	--
MW-30-050	MW-30-050-Q223	N	LF	-	GW	5/11/2023	380	--	< 0.50 U	--	--	210
MW-31-060	MW-31-060-Q223	N	LF	-	GW	5/12/2023	1900	1.4	< 0.50 U	--	< 0.50 U	160
MW-31-135	MW-31-135-Q223	N	LF	-	GW	5/12/2023	22	31	< 0.50 U	--	< 0.50 U	540
MW-32-020	MW-32-020-Q223	N	LF	-	WATER	5/23/2023	290	--	< 0.50 U	--	--	--
MW-32-020	MW-912-Q223	FD	-	MW-912-Q223	WATER	5/23/2023	240	--	< 0.50 U	--	--	--
MW-32-035	MW-32-035-Q223	N	LF	-	WATER	5/23/2023	680 J	--	< 0.50 U	< 0.10 U	--	--
MW-33-040	MW-33-040-Q223	N	LF	-	GW	5/24/2023	--	--	--	--	--	--
MW-33-090	MW-33-090-Q223	N	LF	-	GW	5/24/2023	--	--	--	--	--	--
MW-33-150	MW-33-150-Q223	N	LF	-	GW	5/24/2023	--	--	--	--	--	--
MW-33-210	MW-33-210-Q223	N	LF	-	GW	5/24/2023	--	--	--	--	--	--
MW-34-055	MW-34-055-Q223	N	LF	-	GW	5/10/2023	130	--	< 0.25 U	< 0.10 U	--	--
MW-34-080	MW-34-080-Q223	N	LF	-	GW	5/10/2023	180	--	< 0.50 U	--	--	650
MW-34-080	MW-913-Q223	FD	-	MW-34-080-Q223	GW	5/10/2023	180	--	< 0.50 U	--	--	640
MW-34-100	MW-34-100-Q223	N	LF	-	GW	5/10/2023	75	--	< 0.25 U	< 0.10 U	--	--
MW-35-060	MW-35-060-Q223	N	LF	-	GW	5/23/2023	--	--	--	--	--	--
MW-35-135	MW-35-135-Q223	N	LF	-	GW	5/23/2023	--	--	--	--	--	--
MW-36-020	MW-36-020-Q223	N	LF	-	WATER	5/23/2023	240	--	< 0.10 U	--	--	--
MW-36-040	MW-36-040-Q223	N	LF	-	WATER	5/23/2023	220 J	--	< 0.10 U	< 0.10 U	--	--
MW-36-050	MW-36-050-Q223	N	LF	-	WATER	5/23/2023	250	--	< 0.10 U	--	--	--
MW-36-070	MW-36-070-Q223	N	LF	-	WATER	5/23/2023	270	--	< 0.10 U	--	--	--

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by Method SM 5310 B (mg/L)
IRZ-09-100	IRZ-09-100-Q223	N	EP	-	GW	5/9/2023	< 1.0 U
IRZ-13D-210	IRZ-13D-210-Q223	N	EP	-	GW	5/9/2023	< 1.0 U
IRZ-13S-095	IRZ-13S-095-Q223	N	EP	-	GW	5/9/2023	< 1.0 U
IRZ-21-065	IRZ-21-065-Q223	N	EP	-	GW	6/16/2023	1.2
IRZ-21-157	IRZ-21-157-Q223	N	EP	-	GW	6/16/2023	2.5
IRZ-23-143	IRZ-23-143-Q223	N	EP	-	GW	5/9/2023	1.1 J
IRZ-25-100	IRZ-25-100-Q223	N	EP	-	GW	6/16/2023	< 1.0 U
IRZ-25-166	IRZ-25-166-Q223	N	EP	-	GW	6/16/2023	< 1.0 U
MW-20-070	MW-20-070-Q223	N	LF	-	GW	5/12/2023	1.2 J
MW-20-100	MW-20-100-Q223	N	LF	-	GW	5/12/2023	4.4 J
MW-20-130	MW-20-130-Q223	N	LF	-	GW	5/12/2023	3.1 J
MW-20-130	MW-910-Q223	FD	-	MW-20-130-Q223	GW	5/12/2023	2.9 J
MW-21	MW-21-Q223	N	LF	-	GW	5/12/2023	3.4 J
MW-22	MW-22-Q223	N	LF	-	WATER	5/23/2023	1
MW-26	MW-26-Q223	N	LF	-	GW	5/12/2023	2 J
MW-27-020	MW-27-020-Q223	N	LF	-	GW	5/24/2023	1.4
MW-27-060	MW-27-060-Q223	N	LF	-	WATER	5/24/2023	< 1.0 U
MW-27-060	MW-911-Q223	FD	-	MW-27-060-Q223	WATER	5/24/2023	< 1.0 U
MW-27-085	MW-27-085-Q223	N	LF	-	WATER	5/24/2023	< 1.0 U
MW-28-025	MW-28-025-Q223	N	LF	-	GW	5/24/2023	< 1.0 U
MW-28-090	MW-28-090-Q223	N	LF	-	GW	5/24/2023	< 1.0 U
MW-29	MW-29-Q223	N	LF	-	GW	5/23/2023	--
MW-30-030	MW-30-030-Q223	N	LF	-	GW	5/11/2023	12 J
MW-30-050	MW-30-050-Q223	N	LF	-	GW	5/11/2023	2.8 J
MW-31-060	MW-31-060-Q223	N	LF	-	GW	5/12/2023	3.4 J
MW-31-135	MW-31-135-Q223	N	LF	-	GW	5/12/2023	1 J
MW-32-020	MW-32-020-Q223	N	LF	-	WATER	5/23/2023	50
MW-32-020	MW-912-Q223	FD	-	MW-912-Q223	WATER	5/23/2023	47
MW-32-035	MW-32-035-Q223	N	LF	-	WATER	5/23/2023	2.7
MW-33-040	MW-33-040-Q223	N	LF	-	GW	5/24/2023	--
MW-33-090	MW-33-090-Q223	N	LF	-	GW	5/24/2023	--
MW-33-150	MW-33-150-Q223	N	LF	-	GW	5/24/2023	--
MW-33-210	MW-33-210-Q223	N	LF	-	GW	5/24/2023	--
MW-34-055	MW-34-055-Q223	N	LF	-	GW	5/10/2023	2.3 J
MW-34-080	MW-34-080-Q223	N	LF	-	GW	5/10/2023	2.2 J
MW-34-080	MW-913-Q223	FD	-	MW-34-080-Q223	GW	5/10/2023	1.8 J
MW-34-100	MW-34-100-Q223	N	LF	-	GW	5/10/2023	2.1 J
MW-35-060	MW-35-060-Q223	N	LF	-	GW	5/23/2023	--
MW-35-135	MW-35-135-Q223	N	LF	-	GW	5/23/2023	--
MW-36-020	MW-36-020-Q223	N	LF	-	WATER	5/23/2023	< 1.0 U
MW-36-040	MW-36-040-Q223	N	LF	-	WATER	5/23/2023	< 1.0 U
MW-36-050	MW-36-050-Q223	N	LF	-	WATER	5/23/2023	< 1.0 U
MW-36-070	MW-36-070-Q223	N	LF	-	WATER	5/23/2023	< 1.0 U

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Chromium, total dissolved by Method SW 6020 (ug/L)	Iron by Method SW 6010B (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)
MW-36-090	MW-36-090-Q223	N	-	-	WATER	5/10/2023	0.54	76 J	< 0.20 U	< 1.0 U	--	48
MW-36-100	MW-36-100-Q223	N	-	-	WATER	5/10/2023	3.3	81 J	< 0.20 U	< 1.0 U	--	1100
MW-39-040	MW-39-040-Q223	N	-	-	WATER	5/10/2023	15	69 J	< 0.20 U	< 1.0 U	--	170
MW-39-050	MW-39-050-Q223	N	-	-	WATER	5/10/2023	2	47 J	< 0.20 U	< 1.0 U	--	< 20 U
MW-39-060	MW-39-060-Q223	N	-	-	WATER	5/10/2023	2.3	34 J	< 0.20 U	< 1.0 U	--	< 20 U
MW-39-070	MW-39-070-Q223	N	-	-	WATER	5/10/2023	1	75 J	< 0.20 U	< 1.0 U	--	30
MW-39-080	MW-39-080-Q223	N	-	-	WATER	5/10/2023	< 0.10 U	30 J	26	33	--	< 20 U
MW-39-080	MW-914-Q223	FD	-	MW-39-080-Q223	WATER	5/10/2023	< 0.10 U	42 J	< 0.20 U	2.1	--	23
MW-39-100	MW-39-100-Q223	N	-	-	WATER	5/10/2023	< 0.10 U	38 J	1500	1500	--	< 20 U
MW-42-030	MW-42-030-Q223	N	LF	-	GW	5/22/2023	2.1	97	< 0.20 U	< 1.0 U	--	360
MW-42-055	MW-42-055-Q223	N	LF	-	GW	5/22/2023	11	180	< 0.20 U	< 1.0 U	--	220
MW-42-065	MW-42-065-Q223	N	LF	-	GW	5/22/2023	< 0.10 U	110	< 0.20 U	< 1.0 U	--	39
MW-43-025	MW-43-025-Q223	N	LF	-	WATER	5/23/2023	21	90	< 0.20 U	< 1.0 U	--	4300
MW-43-025	MW-915-Q223	FD	-	MW-915-Q223	WATER	5/23/2023	21	91	< 0.20 U	< 1.0 U	--	4400
MW-43-075	MW-43-075-Q223	N	LF	-	WATER	5/23/2023	7.1	60	< 1.0 U	< 1.0 U	--	3200
MW-43-090	MW-43-090-Q223	N	LF	-	WATER	5/23/2023	< 0.10 U	62	< 1.0 U	< 1.0 U	--	1300
MW-44-070	MW-44-070-Q223	N	-	-	WATER	5/24/2023	1.7	47 J	< 0.20 U	< 1.0 U	--	590 J
MW-44-115	MW-44-115-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	24 J	12	12	--	< 20 U
MW-44-125	MW-44-125-Q223	N		-	WATER	5/24/2023	< 0.10 U	46 J	2	3.6	--	110 J
MW-45-095A	MW-45-095A-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	29	0.99	2.4	--	< 20 U
MW-46-175	MW-46-175-Q223	N	LF	-	GW	5/25/2023	< 0.10 U	25	7.7	7.2	--	< 20 U
MW-46-205	MW-46-205-Q223	N	LF	-	GW	5/25/2023	< 0.10 U	30	1.3	1.5	--	< 20 U
MW-47-055	MW-47-055-Q223	N	LF	-	GW	5/24/2023	--	--	16	17	--	--
MW-47-115	MW-47-115-Q223	N	LF	-	GW	5/24/2023	--	--	21	23	--	--
MW-47-115	MW-916-Q223	FD	-	MW-47-115-Q223	GW	5/24/2023	--	--	21	22	--	--
MW-49-135	MW-49-135-Q223	N	LF	-	GW	5/23/2023	--	--	3	3	--	--
MW-49-275	MW-49-275-Q223	N	LF	-	GW	5/23/2023	--	--	< 1.0 U	< 1.0 U	--	--
MW-49-365	MW-49-365-Q223	N	LF	-	GW	5/23/2023	--	--	< 1.0 U	< 1.0 U	--	--
MW-51	MW-51-Q223	N	LF	-	GW	5/12/2023	1.7	60	1.6	10	--	230 J
MW-52D	MW-52D-Q223	N	LF	-	WATER	5/23/2023	< 0.10 UJ	39	< 1.0 U	< 1.0 U	--	580
MW-52M	MW-52M-Q223	N	LF	-	WATER	5/23/2023	< 0.10 UJ	61	< 1.0 U	< 1.0 U	--	1000
MW-52S	MW-52S-Q223	N	LF	-	WATER	5/23/2023	< 0.10 UJ	520	< 1.0 U	< 1.0 U	--	22000
MW-53D	MW-53D-Q223	N	LF	-	WATER	5/23/2023	< 0.10 U	37	< 1.0 U	< 1.0 U	--	230
MW-53M	MW-53M-Q223	N	LF	-	WATER	5/23/2023	< 0.10 U	66	< 1.0 U	< 1.0 U	--	280
MW-53S	MW-53S-Q223	N	LF	-	WATER	5/23/2023	< 0.10 U	190	< 0.20 U	< 1.0 U	--	4700
MW-71-035	MW-71-035-Q223	N	LF	-	GW	5/10/2023	1.4	27	0.44	1.1	--	< 20 U
MW-71-035	MW-908-Q223	FD	-	MW-71-035-Q223	GW	5/10/2023	0.59	28	0.54	1.4	--	34
MW-75-033	MW-75-033-Q223	N	LF	-	GW	5/15/2023	--	--	32	34	--	--
MW-75-117	MW-75-117-Q223	N	LF	-	GW	5/15/2023	--	--	2.2	2.4	--	--
MW-75-202	MW-75-202-Q223	N	LF	-	GW	5/15/2023	--	--	< 1.0 U	< 1.0 U	--	--
MW-75-267	MW-75-267-Q223	N	LF	-	GW	5/15/2023	--	--	< 1.0 U	< 1.0 U	--	--
MW-75-337	MW-75-337-Q223	N	LF	-	GW	5/15/2023	--	--	< 1.0 U	< 1.0 U	--	--
MW-76-039	MW-76-039-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	130 J	150	150	--	< 20 U

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Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by Method SW 6020 (ug/L)	Molybdenum, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (ug/L)	Sulfate by Method EPA 300.0 (mg/L)
MW-36-090	MW-36-090-Q223	N	-	-	WATER	5/10/2023	190	--	< 0.50 U	--	--	470
MW-36-100	MW-36-100-Q223	N	-	-	WATER	5/10/2023	750	--	< 0.50 U	< 0.10 U	--	470
MW-39-040	MW-39-040-Q223	N	-	-	WATER	5/10/2023	92	--	< 0.25 U	--	--	120
MW-39-050	MW-39-050-Q223	N	-	-	WATER	5/10/2023	180	--	< 0.25 U	--	--	190
MW-39-060	MW-39-060-Q223	N	-	-	WATER	5/10/2023	40	--	< 0.25 U	--	--	200
MW-39-070	MW-39-070-Q223	N	-	-	WATER	5/10/2023	200	--	< 0.50 U	--	--	280
MW-39-080	MW-39-080-Q223	N	-	-	WATER	5/10/2023	4.4	--	< 0.50 U	--	--	660
MW-39-080	MW-914-Q223	FD	-	MW-39-080-Q223	WATER	5/10/2023	15	--	< 0.50 U	--	--	610
MW-39-100	MW-39-100-Q223	N	-	-	WATER	5/10/2023	49	--	0.54	--	--	1200
MW-42-030	MW-42-030-Q223	N	LF	-	GW	5/22/2023	77	--	< 0.25 U	< 0.10 U	--	--
MW-42-055	MW-42-055-Q223	N	LF	-	GW	5/22/2023	250	--	< 0.25 U	--	--	--
MW-42-065	MW-42-065-Q223	N	LF	-	GW	5/22/2023	2100	--	5	--	--	--
MW-43-025	MW-43-025-Q223	N	LF	-	WATER	5/23/2023	440 J	--	< 0.50 U	--	--	--
MW-43-025	MW-915-Q223	FD	-	MW-915-Q223	WATER	5/23/2023	440 J	--	< 0.50 U	--	--	--
MW-43-075	MW-43-075-Q223	N	LF	-	WATER	5/23/2023	480 J	--	< 0.50 U	--	--	--
MW-43-090	MW-43-090-Q223	N	LF	-	WATER	5/23/2023	650 J	--	< 0.50 U	--	--	--
MW-44-070	MW-44-070-Q223	N	-	-	WATER	5/24/2023	360 J	--	< 0.10 U	< 0.10 U	--	--
MW-44-115	MW-44-115-Q223	N	LF	-	GW	5/8/2023	55 J	--	< 0.50 U	--	--	1000
MW-44-125	MW-44-125-Q223	N	-	-	WATER	5/24/2023	430 J	--	< 0.50 U	< 0.10 U	--	990
MW-45-095A	MW-45-095A-Q223	N	LF	-	GW	5/10/2023	57	--	< 0.50 U	--	--	490
MW-46-175	MW-46-175-Q223	N	LF	-	GW	5/25/2023	6.6	--	0.58	1.1	--	--
MW-46-205	MW-46-205-Q223	N	LF	-	GW	5/25/2023	22	--	< 0.50 U	--	--	--
MW-47-055	MW-47-055-Q223	N	LF	-	GW	5/24/2023	--	--	--	--	--	--
MW-47-115	MW-47-115-Q223	N	LF	-	GW	5/24/2023	--	--	--	--	--	--
MW-47-115	MW-916-Q223	FD	-	MW-47-115-Q223	GW	5/24/2023	--	--	--	--	--	--
MW-49-135	MW-49-135-Q223	N	LF	-	GW	5/23/2023	--	--	--	--	--	--
MW-49-275	MW-49-275-Q223	N	LF	-	GW	5/23/2023	--	--	--	--	--	--
MW-49-365	MW-49-365-Q223	N	LF	-	GW	5/23/2023	--	--	--	--	--	--
MW-51	MW-51-Q223	N	LF	-	GW	5/12/2023	200	5	< 0.50 U	--	< 0.50 U	44
MW-52D	MW-52D-Q223	N	LF	-	WATER	5/23/2023	240	--	< 0.50 U	--	--	--
MW-52M	MW-52M-Q223	N	LF	-	WATER	5/23/2023	230	--	< 0.50 U	--	--	--
MW-52S	MW-52S-Q223	N	LF	-	WATER	5/23/2023	1000	--	< 0.50 U	--	--	--
MW-53D	MW-53D-Q223	N	LF	-	WATER	5/23/2023	770 J	--	< 0.50 U	--	--	--
MW-53M	MW-53M-Q223	N	LF	-	WATER	5/23/2023	260 J	--	< 0.50 U	--	--	--
MW-53S	MW-53S-Q223	N	LF	-	WATER	5/23/2023	1000 J	--	< 0.50 U	--	--	--
MW-71-035	MW-71-035-Q223	N	LF	-	GW	5/10/2023	16	42 J	1.7	2.4	3.5	570
MW-71-035	MW-908-Q223	FD	-	MW-71-035-Q223	GW	5/10/2023	14	38 J	1.9	2.4	4	730
MW-75-033	MW-75-033-Q223	N	LF	-	GW	5/15/2023	--	--	--	--	--	--
MW-75-117	MW-75-117-Q223	N	LF	-	GW	5/15/2023	--	--	--	--	--	--
MW-75-202	MW-75-202-Q223	N	LF	-	GW	5/15/2023	--	--	--	--	--	--
MW-75-267	MW-75-267-Q223	N	LF	-	GW	5/15/2023	--	--	--	--	--	--
MW-75-337	MW-75-337-Q223	N	LF	-	GW	5/15/2023	--	--	--	--	--	--
MW-76-039	MW-76-039-Q223	N	LF	-	GW	5/8/2023	35 J	16	1.3	--	2.4	410

PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by Method SM 5310 B (mg/L)
MW-36-090	MW-36-090-Q223	N	-	-	WATER	5/10/2023	1.5 J
MW-36-100	MW-36-100-Q223	N	-	-	WATER	5/10/2023	1.8 J
MW-39-040	MW-39-040-Q223	N	-	-	WATER	5/10/2023	6.5 J
MW-39-050	MW-39-050-Q223	N	-	-	WATER	5/10/2023	2.1 J
MW-39-060	MW-39-060-Q223	N	-	-	WATER	5/10/2023	1.9 J
MW-39-070	MW-39-070-Q223	N	-	-	WATER	5/10/2023	2.1 J
MW-39-080	MW-39-080-Q223	N	-	-	WATER	5/10/2023	1.9 J
MW-39-080	MW-914-Q223	FD	-	MW-39-080-Q223	WATER	5/10/2023	2.3 J
MW-39-100	MW-39-100-Q223	N	-	-	WATER	5/10/2023	1.9 J
MW-42-030	MW-42-030-Q223	N	LF	-	GW	5/22/2023	< 1.0 U
MW-42-055	MW-42-055-Q223	N	LF	-	GW	5/22/2023	< 1.0 U
MW-42-065	MW-42-065-Q223	N	LF	-	GW	5/22/2023	< 1.0 U
MW-43-025	MW-43-025-Q223	N	LF	-	WATER	5/23/2023	< 1.0 U
MW-43-025	MW-915-Q223	FD	-	MW-915-Q223	WATER	5/23/2023	< 1.0 U
MW-43-075	MW-43-075-Q223	N	LF	-	WATER	5/23/2023	< 1.0 U
MW-43-090	MW-43-090-Q223	N	LF	-	WATER	5/23/2023	< 1.0 U
MW-44-070	MW-44-070-Q223	N	-	-	WATER	5/24/2023	< 1.0 U
MW-44-115	MW-44-115-Q223	N	LF	-	GW	5/8/2023	1.5
MW-44-125	MW-44-125-Q223	N		-	WATER	5/24/2023	< 1.0 U
MW-45-095A	MW-45-095A-Q223	N	LF	-	GW	5/10/2023	1.2 J
MW-46-175	MW-46-175-Q223	N	LF	-	GW	5/25/2023	< 1.0 U
MW-46-205	MW-46-205-Q223	N	LF	-	GW	5/25/2023	< 1.0 U
MW-47-055	MW-47-055-Q223	N	LF	-	GW	5/24/2023	--
MW-47-115	MW-47-115-Q223	N	LF	-	GW	5/24/2023	--
MW-47-115	MW-916-Q223	FD	-	MW-47-115-Q223	GW	5/24/2023	--
MW-49-135	MW-49-135-Q223	N	LF	-	GW	5/23/2023	--
MW-49-275	MW-49-275-Q223	N	LF	-	GW	5/23/2023	--
MW-49-365	MW-49-365-Q223	N	LF	-	GW	5/23/2023	--
MW-51	MW-51-Q223	N	LF	-	GW	5/12/2023	13 J
MW-52D	MW-52D-Q223	N	LF	-	WATER	5/23/2023	3.8
MW-52M	MW-52M-Q223	N	LF	-	WATER	5/23/2023	4.4
MW-52S	MW-52S-Q223	N	LF	-	WATER	5/23/2023	< 1.0 U
MW-53D	MW-53D-Q223	N	LF	-	WATER	5/23/2023	1.1
MW-53M	MW-53M-Q223	N	LF	-	WATER	5/23/2023	< 1.0 U
MW-53S	MW-53S-Q223	N	LF	-	WATER	5/23/2023	1.1
MW-71-035	MW-71-035-Q223	N	LF	-	GW	5/10/2023	3.2 J
MW-71-035	MW-908-Q223	FD	-	MW-71-035-Q223	GW	5/10/2023	3.1 J
MW-75-033	MW-75-033-Q223	N	LF	-	GW	5/15/2023	--
MW-75-117	MW-75-117-Q223	N	LF	-	GW	5/15/2023	--
MW-75-202	MW-75-202-Q223	N	LF	-	GW	5/15/2023	--
MW-75-267	MW-75-267-Q223	N	LF	-	GW	5/15/2023	--
MW-75-337	MW-75-337-Q223	N	LF	-	GW	5/15/2023	--
MW-76-039	MW-76-039-Q223	N	LF	-	GW	5/8/2023	1.6

PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Chromium, total dissolved by Method SW 6020 (ug/L)	Iron by Method SW 6010B (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)
MW-76-156	MW-76-156-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	30 J	34	35	--	< 20 U
MW-76-181	MW-76-181-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	43 J	320	340	--	< 20 U
MW-76-218	MW-76-218-Q223	N	LF	-	GW	5/8/2023	1.9	43 J	< 0.20 U	< 1.0 U	--	< 20 U
MW-77-046	MW-77-046-Q223	N	LF	-	GW	5/8/2023	1.8	77 J	0.56	< 1.0 U	--	< 20 U
MW-77-102	MW-77-102-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	62 J	< 1.0 U	< 1.0 U	--	< 20 U
MW-77-158	MW-77-158-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	43 J	< 1.0 U	< 1.0 U	--	46
MW-77-187	MW-77-187-Q223	N	LF	-	GW	5/8/2023	2.8	24 J	< 0.20 U	< 1.0 U	--	23
MW-78-070	MW-78-070-Q223	N	LF	-	GW	5/11/2023	< 0.10 U	140	92	81	--	28 J
MW-78-142	MW-78-142-Q223	N	LF	-	GW	5/11/2023	0.66	26	1300	1300	--	< 20 UJ
MW-78-142	MW-917-Q223	FD	-	MW-78-142-Q223	GW	5/11/2023	0.75	27	1300	1200	--	< 20 UJ
MW-79-058	MW-79-058-Q223	N	LF	-	GW	5/11/2023	< 0.10 U	170	120	110	--	< 20 UJ
MW-79-102	MW-79-102-Q223	N	LF	-	GW	5/11/2023	0.63	39	2.3	18	--	37 J
MW-80-057	MW-80-057-Q223	N	LF	-	GW	5/11/2023	< 0.10 U	87	210	210	--	< 20 UJ
MW-80-082	MW-80-082-Q223	N	LF	-	GW	5/11/2023	1	58	5.4	5.7	--	< 20 UJ
MW-81-043	MW-81-043-Q223	N	-	-	WATER	5/10/2023	2.1	180 J	2.8	4.7	--	100
MW-81-098	MW-81-098-Q223	N	-	-	WATER	5/10/2023	< 0.10 U	61 J	5.4	5.4	--	66
MW-82-046	MW-82-046-Q223	N	LF	-	GW	5/10/2023	30	69	< 1.0 U	1.4	--	7400
MW-82-112	MW-82-112-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	56	< 1.0 U	< 1.0 U	--	43
MW-82-168	MW-82-168-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	47	< 1.0 U	< 1.0 U	--	67
MW-82-198	MW-82-198-Q223	N	LF	-	GW	5/10/2023	< 0.10 U	46	< 0.20 U	< 1.0 U	--	< 20 U
MW-86-030	MW-86-030-Q223	N	LF	-	GW	5/24/2023	7.3	130 J	< 0.20 U	< 1.0 U	--	540 J
MW-86-066	MW-86-066-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	75 J	< 0.20 U	< 1.0 U	--	< 20 U
MW-86-120	MW-86-120-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	40 J	< 1.0 U	< 1.0 U	--	< 20 U
MW-86-140	MW-86-140-Q223	N	LF	-	GW	5/24/2023	< 0.10 U	76 J	< 1.0 U	< 1.0 U	--	410 J
MW-86-140	MW-918-Q223	FD	-	MW-86-140-Q223	GW	5/24/2023	< 0.10 U	71 J	< 1.0 U	< 1.0 U	--	420 J
MW-90-031	MW-90-031-Q223	N	LF	-	WATER	5/23/2023	< 0.10 UJ	210	< 1.0 U	< 1.0 U	--	13000
MW-96-045	MW-96-045-Q223	N	LF	-	GW	5/23/2023	--	--	< 0.20 U	< 1.0 U	--	--
MW-96-217	MW-96-217-Q223	N	LF	-	GW	5/23/2023	--	--	< 1.0 U	< 1.0 U	--	--
MW-97-042	MW-97-042-Q223	N	LF	-	GW	5/24/2023	--	--	20	23	--	--
MW-97-202	MW-97-202-Q223	N	LF	-	GW	5/24/2023	--	--	240	230	--	--

PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by Method SW 6020 (ug/L)	Molybdenum, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (ug/L)	Sulfate by Method EPA 300.0 (mg/L)
MW-76-156	MW-76-156-Q223	N	LF	-	GW	5/8/2023	13 J	33	< 0.50 U	--	< 0.50 U	530
MW-76-181	MW-76-181-Q223	N	LF	-	GW	5/8/2023	26 J	48	< 0.50 U	--	0.7	670
MW-76-218	MW-76-218-Q223	N	LF	-	GW	5/8/2023	120 J	77	< 0.50 U	--	< 0.50 U	510
MW-77-046	MW-77-046-Q223	N	LF	-	GW	5/8/2023	580 J	--	< 0.50 U	--	--	350
MW-77-102	MW-77-102-Q223	N	LF	-	GW	5/8/2023	110 J	--	< 0.50 U	--	--	690
MW-77-158	MW-77-158-Q223	N	LF	-	GW	5/8/2023	63 J	--	< 0.50 U	--	--	280
MW-77-187	MW-77-187-Q223	N	LF	-	GW	5/8/2023	35 J	--	< 0.50 U	--	--	530
MW-78-070	MW-78-070-Q223	N	LF	-	GW	5/11/2023	87	4.6	0.52	--	< 0.50 U	400
MW-78-142	MW-78-142-Q223	N	LF	-	GW	5/11/2023	2.5	18	1.6	--	12	540
MW-78-142	MW-917-Q223	FD	-	MW-78-142-Q223	GW	5/11/2023	2.6	19	1.6	--	12	540
MW-79-058	MW-79-058-Q223	N	LF	-	GW	5/11/2023	1.9	7.3	< 0.50 U	--	0.67	420
MW-79-102	MW-79-102-Q223	N	LF	-	GW	5/11/2023	46	29	< 0.50 U	--	0.89	700
MW-80-057	MW-80-057-Q223	N	LF	-	GW	5/11/2023	13	17	1.5	--	5.2	440
MW-80-082	MW-80-082-Q223	N	LF	-	GW	5/11/2023	300	35	< 0.50 U	--	< 0.50 U	370
MW-81-043	MW-81-043-Q223	N	-	-	WATER	5/10/2023	96	--	< 0.50 U	--	--	370
MW-81-098	MW-81-098-Q223	N	-	-	WATER	5/10/2023	120	--	0.53	--	--	720
MW-82-046	MW-82-046-Q223	N	LF	-	GW	5/10/2023	420	--	< 0.50 U	--	--	1600
MW-82-112	MW-82-112-Q223	N	LF	-	GW	5/10/2023	140	--	< 0.50 U	--	--	670
MW-82-168	MW-82-168-Q223	N	LF	-	GW	5/10/2023	55	--	< 0.50 U	--	--	320
MW-82-198	MW-82-198-Q223	N	LF	-	GW	5/10/2023	57	--	< 0.50 U	--	--	520
MW-86-030	MW-86-030-Q223	N	LF	-	GW	5/24/2023	250 J	--	< 0.10 U	--	--	--
MW-86-066	MW-86-066-Q223	N	LF	-	GW	5/24/2023	530 J	--	< 0.25 U	--	--	--
MW-86-120	MW-86-120-Q223	N	LF	-	GW	5/24/2023	360 J	--	0.65	--	--	--
MW-86-140	MW-86-140-Q223	N	LF	-	GW	5/24/2023	1400 J	--	< 0.50 U	--	--	--
MW-86-140	MW-918-Q223	FD	-	MW-86-140-Q223	GW	5/24/2023	1300 J	--	< 0.50 U	--	--	--
MW-90-031	MW-90-031-Q223	N	LF	-	WATER	5/23/2023	570	--	< 0.50 U	< 0.10 U	--	--
MW-96-045	MW-96-045-Q223	N	LF	-	GW	5/23/2023	--	--	--	--	--	--
MW-96-217	MW-96-217-Q223	N	LF	-	GW	5/23/2023	--	--	--	--	--	--
MW-97-042	MW-97-042-Q223	N	LF	-	GW	5/24/2023	--	--	--	--	--	--
MW-97-202	MW-97-202-Q223	N	LF	-	GW	5/24/2023	--	--	--	--	--	--

PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by Method SM 5310 B (mg/L)
MW-76-156	MW-76-156-Q223	N	LF	-	GW	5/8/2023	1.6
MW-76-181	MW-76-181-Q223	N	LF	-	GW	5/8/2023	1.4
MW-76-218	MW-76-218-Q223	N	LF	-	GW	5/8/2023	2.3
MW-77-046	MW-77-046-Q223	N	LF	-	GW	5/8/2023	< 1.0 U
MW-77-102	MW-77-102-Q223	N	LF	-	GW	5/8/2023	1.9
MW-77-158	MW-77-158-Q223	N	LF	-	GW	5/8/2023	1.5
MW-77-187	MW-77-187-Q223	N	LF	-	GW	5/8/2023	1.3
MW-78-070	MW-78-070-Q223	N	LF	-	GW	5/11/2023	< 1.0 UJ
MW-78-142	MW-78-142-Q223	N	LF	-	GW	5/11/2023	< 1.0 UJ
MW-78-142	MW-917-Q223	FD	-	MW-78-142-Q223	GW	5/11/2023	2.7 J
MW-79-058	MW-79-058-Q223	N	LF	-	GW	5/11/2023	2.1 J
MW-79-102	MW-79-102-Q223	N	LF	-	GW	5/11/2023	4.7 J
MW-80-057	MW-80-057-Q223	N	LF	-	GW	5/11/2023	1.9 J
MW-80-082	MW-80-082-Q223	N	LF	-	GW	5/11/2023	1.5 J
MW-81-043	MW-81-043-Q223	N	-	-	WATER	5/10/2023	< 1.0 U
MW-81-098	MW-81-098-Q223	N	-	-	WATER	5/10/2023	< 1.0 U
MW-82-046	MW-82-046-Q223	N	LF	-	GW	5/10/2023	16 J
MW-82-112	MW-82-112-Q223	N	LF	-	GW	5/10/2023	1 J
MW-82-168	MW-82-168-Q223	N	LF	-	GW	5/10/2023	1 J
MW-82-198	MW-82-198-Q223	N	LF	-	GW	5/10/2023	< 1.0 U
MW-86-030	MW-86-030-Q223	N	LF	-	GW	5/24/2023	1
MW-86-066	MW-86-066-Q223	N	LF	-	GW	5/24/2023	< 1.0 U
MW-86-120	MW-86-120-Q223	N	LF	-	GW	5/24/2023	< 1.0 U
MW-86-140	MW-86-140-Q223	N	LF	-	GW	5/24/2023	< 1.0 U
MW-86-140	MW-918-Q223	FD	-	MW-86-140-Q223	GW	5/24/2023	1.4
MW-90-031	MW-90-031-Q223	N	LF	-	WATER	5/23/2023	6.3
MW-96-045	MW-96-045-Q223	N	LF	-	GW	5/23/2023	--
MW-96-217	MW-96-217-Q223	N	LF	-	GW	5/23/2023	--
MW-97-042	MW-97-042-Q223	N	LF	-	GW	5/24/2023	--
MW-97-202	MW-97-202-Q223	N	LF	-	GW	5/24/2023	--

PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Chromium, total dissolved by Method SW 6020 (ug/L)	Iron by Method SW 6010B (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)
PT5D	PT5D-Q223	N	LF	-	GW	5/8/2023	< 0.10 U	34 J	110	110	--	< 20 U
PT5M	PT5M-Q223	N	LF	-	GW	5/24/2023	0.74	61 J	< 0.20 U	< 1.0 U	--	24 J
PT5S	PT5S-Q223	N	LF	-	GW	5/24/2023	10	120 J	< 0.20 U	< 1.0 U	--	1000 J
TW-02D	TW-02D-Q223	N	LF	-	GW	5/9/2023	3.5	18 J	11	12	--	< 20 U
TW-02S	TW-02S-Q223	N	LF	-	GW	5/9/2023	< 0.10 U	260 J	32	38	--	< 20 U
TW-02S	MW-919-Q223	FD	-	TW-02S-Q223	GW	5/9/2023	< 0.10 U	240 J	32	36	--	< 20 U
TW-03D	TW-03D-Q223	N	LF	-	GW	5/9/2023	2.7	28 J	25	30	--	< 20 U
TW-04	TW-04-Q223	N	LF	-	GW	5/18/2023	--	--	13	13	--	--

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- = not analyzed
- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicate
- GW = groundwater
- J = estimated value
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected
- = no entry

PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Manganese, dissolved by Method SW 6020 (ug/L)	Molybdenum, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Nitrate/Nitrite as Nitrogen by Method EPA 353.2 (mg/L)	Selenium, dissolved by Method SW 6020 (ug/L)	Sulfate by Method EPA 300.0 (mg/L)
PT5D	PT5D-Q223	N	LF	-	GW	5/8/2023	28 J	--	0.91	--	--	--
PT5M	PT5M-Q223	N	LF	-	GW	5/24/2023	1400 J	--	< 0.10 U	--	--	--
PT5S	PT5S-Q223	N	LF	-	GW	5/24/2023	260 J	--	< 0.25 U	--	--	--
TW-02D	TW-02D-Q223	N	LF	-	GW	5/9/2023	94	79 J	< 0.50 U	--	< 0.50 U	460
TW-02S	TW-02S-Q223	N	LF	-	GW	5/9/2023	< 0.50 U	5.6 J	< 0.50 U	--	< 0.50 U	440
TW-02S	MW-919-Q223	FD	-	TW-02S-Q223	GW	5/9/2023	< 0.50 U	5.3 J	< 0.50 U	--	< 0.50 U	440
TW-03D	TW-03D-Q223	N	LF	-	GW	5/9/2023	37	85 J	< 0.50 U	--	< 0.50 U	480
TW-04	TW-04-Q223	N	LF	-	GW	5/18/2023	--	--	--	--	--	--

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed
 µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

PCM 2023-05 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Total organic carbon by Method SM 5310 B (mg/L)
PT5D	PT5D-Q223	N	LF	-	GW	5/8/2023	< 1.0 U
PT5M	PT5M-Q223	N	LF	-	GW	5/24/2023	< 1.0 U
PT5S	PT5S-Q223	N	LF	-	GW	5/24/2023	1.2
TW-02D	TW-02D-Q223	N	LF	-	GW	5/9/2023	< 1.0 U
TW-02S	TW-02S-Q223	N	LF	-	GW	5/9/2023	< 1.0 U
TW-02S	MW-919-Q223	FD	-	TW-02S-Q223	GW	5/9/2023	< 1.0 U
TW-03D	TW-03D-Q223	N	LF	-	GW	5/9/2023	< 1.0 U
TW-04	TW-04-Q223	N	LF	-	GW	5/18/2023	--

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed
 µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 FD = field duplicate
 GW = groundwater
 J = estimated value
 LF = low flow
 mg/L = milligrams per liter
 N = Normal
 SM = standard method
 SW = solid waste
 U = analyte not detected
 - = no entry

PCM 2023-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)	Manganese, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
MW-20-070	MW-20-070-0623	N	LF	-	GW	6/15/2023	1.3	29	270	57	2.9	16	340	< 1.0 U
MW-20-100	MW-20-100-0623	N	LF	-	GW	6/15/2023	0.31	39	580	< 20 U	0.88	2.1	570	8.5
MW-20-130	MW-20-130-0623	N	LF	-	GW	6/15/2023	< 0.10 U	26	1700	< 20 U	3.7	6.8	1000	6.4
MW-21	MW-21-0623	N	LF	-	GW	6/14/2023	9.8	40	< 0.20 U	310	180	< 0.50 U	1000 J	8.9
MW-26	MW-26-0623	N	LF	-	GW	6/15/2023	< 0.10 U	69	< 0.20 U	28	2900	< 0.50 U	320	< 1.0 U
MW-30-050	MW-30-050-0623	N	LF	-	GW	6/12/2023	2 J	30	< 0.20 U	46	630	< 0.50 U	220	1.5
MW-31-060	MW-31-060-0623	N	LF	-	GW	6/14/2023	< 0.10 U	460	< 5.0 U	22	2600	< 0.50 U	190 J	130
MW-31-135	MW-31-135-0623	N	LF	-	GW	6/14/2023	< 0.10 U	37	19	27	9.2	< 0.50 U	510 J	< 1.0 U
MW-34-080	MW-34-080-0623	N	LF	-	GW	6/14/2023	< 0.10 U	35	< 0.20 U	850	160	< 0.50 U	590 J	1.4
MW-36-090	MW-36-090-0623	N	LF	-	GW	6/14/2023	0.22	64	< 0.20 U	49	150	< 0.50 U	540 J	< 1.0 U
MW-36-100	MW-36-100-0623	N	LF	-	GW	6/14/2023	3.1	80	< 0.20 U	910	740	< 0.50 U	490 J	1.8
MW-36-100	MW-920-Q323	FD	-	MW-36-100-0623	GW	6/14/2023	3.1	78	< 0.20 U	880	740	< 0.50 U	490 J	2.2
MW-39-040	MW-39-040-0623	N	LF	-	GW	6/12/2023	13 J	90	< 0.20 U	200	84	< 0.25 U	160	5.3
MW-39-050	MW-39-050-0623	N	LF	-	GW	6/12/2023	1.7 J	47	< 0.20 U	60	240	< 0.25 U	190	< 1.0 U
MW-39-060	MW-39-060-0623	N	LF	-	GW	6/12/2023	1.8 J	29	< 0.20 U	65	140	< 0.25 U	210	1.4
MW-39-070	MW-39-070-0623	N	LF	-	GW	6/12/2023	< 0.10 UJ	100	< 0.20 U	24	27	< 0.50 U	490	< 1.0 U
MW-39-080	MW-39-080-0623	N	LF	-	GW	6/12/2023	< 0.10 UJ	37	19	41	3.6	< 0.50 U	780	1.7
MW-39-100	MW-39-100-0623	N	LF	-	GW	6/12/2023	< 0.10 UJ	31	280	23	7.7	< 0.50 U	1100	< 1.0 U
MW-44-115	MW-44-115-0623	N	LF	-	GW	6/14/2023	< 0.10 U	24	13	26	18	< 0.50 U	1000 J	< 1.0 U
MW-44-125	MW-44-125-0623	N	LF	-	GW	6/14/2023	< 0.10 U	42	2.9	120	390	< 0.50 U	990 J	< 1.0 U
MW-44-125	MW-921-Q323	FD	-	MW-44-125-0623	GW	6/14/2023	< 0.10 U	44	3.2	130	400	< 0.50 U	1000 J	< 1.0 U
MW-45-095A	MW-45-095A-0623	N	LF	-	GW	6/14/2023	< 0.10 U	28	0.8	39	96	< 0.50 U	520 J	< 1.0 U
MW-51	MW-51-0623	N	LF	-	GW	6/15/2023	< 0.10 U	54	< 0.20 U	49	760	< 0.25 U	340	< 1.0 U
MW-71-035	MW-71-035-0623	N	LF	-	GW	6/14/2023	< 0.10 U	45	< 1.0 U	25	67	1.3	780 J	2
MW-76-039	MW-76-039-0623	N	LF	-	GW	6/12/2023	< 0.10 UJ	130	99	35	< 0.50 U	< 0.50 U	500	< 1.0 U
MW-76-156	MW-76-156-0623	N	LF	-	GW	6/12/2023	0.73 J	28	24	35	17	< 0.50 U	530	< 1.0 U
MW-76-181	MW-76-181-0623	N	LF	-	GW	6/12/2023	< 0.10 UJ	43	240	21	34	< 0.50 U	690	< 1.0 U
MW-76-218	MW-76-218-0623	N	LF	-	GW	6/12/2023	2.6 J	37	< 0.20 U	51	76	< 0.50 U	480	< 1.0 U
MW-77-046	MW-77-046-0623	N	LF	-	GW	6/14/2023	1.3	75	< 0.20 U	< 20 U	580	< 0.50 U	310 J	< 1.0 U
MW-77-102	MW-77-102-0623	N	LF	-	GW	6/14/2023	< 0.10 U	67	< 1.0 U	31	120	< 0.50 U	690 J	1.3
MW-77-102	MW-922-Q323	FD	-	MW-77-102-0623	GW	6/14/2023	< 0.10 U	69	< 1.0 U	< 20 U	120	< 0.50 U	700 J	1.2
MW-77-158	MW-77-158-0623	N	LF	-	GW	6/14/2023	0.45	36	< 0.20 U	47	31	< 0.50 U	260 J	< 1.0 U
MW-77-187	MW-77-187-0623	N	LF	-	GW	6/14/2023	2.9	25	< 1.0 U	< 20 U	37	< 0.50 U	420 J	< 1.0 U
MW-78-070	MW-78-070-0623	N	LF	-	GW	6/15/2023	< 0.10 U	130	8.6	< 20 U	710	< 0.50 U	320	< 1.0 U
MW-78-142	MW-78-142-0623	N	LF	-	GW	6/15/2023	0.32	27	1700	< 20 U	5.5	2.8	610	< 1.0 U
MW-79-058	MW-79-058-0623	N	LF	-	GW	6/15/2023	< 0.10 U	160	120	< 20 U	18	< 0.50 U	430	< 1.0 U
MW-79-102	MW-79-102-0623	N	LF	-	GW	6/15/2023	< 0.10 U	65	74	< 20 U	120	< 0.50 U	390	< 1.0 U
MW-79-102	MW-923-Q223	FD	-	MW-79-102-0623	GW	6/15/2023	< 0.10 U	64	75	< 20 U	120	< 0.50 U	390	< 1.0 U
MW-80-057	MW-80-057-0623	N	LF	-	GW	6/15/2023	< 0.10 U	85	140	< 20 U	9.7	1.7	440	< 1.0 U
MW-80-082	MW-80-082-0623	N	LF	-	GW	6/15/2023	< 0.10 U	51	15	< 20 U	210	< 0.50 U	380	< 1.0 U
MW-81-043	MW-81-043-0623	N	LF	-	GW	6/13/2023	0.67	120 J	5.8	160	68 J	< 0.50 U	300	3.7
MW-81-098	MW-81-098-0623	N	LF	-	GW	6/13/2023	< 0.10 U	51 J	17	< 20 U	84 J	< 0.50 U	730	2.6
MW-82-046	MW-82-046-0623	N	LF	-	GW	6/13/2023	22	74 J	< 1.0 U	6600	390 J	< 0.50 U	1600	24

PCM 2023-06 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)	Manganese, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
MW-82-168	MW-82-168-0623	N	LF	-	GW	6/13/2023	< 0.10 U	38 J	< 0.20 U	60	42 J	< 0.50 U	290	1.1
MW-82-198	MW-82-198-0623	N	LF	-	GW	6/13/2023	< 0.10 U	42 J	< 0.20 U	20	47 J	< 0.50 U	510	1.1
PT5D	PT5D-0623	N	LF	-	GW	6/13/2023	< 0.10 U	28 J	120	< 20 U	17 J	0.56	1000	1.8
TW-02D	TW-02D-0623	N	LF	-	GW	6/13/2023	3.6	14 J	9.4	< 20 U	18 J	< 0.50 U	430	4.4
TW-02S	TW-02S-0623	N	LF	-	GW	6/13/2023	< 0.10 U	230 J	20	< 20 U	< 0.50 UJ	< 0.50 U	410	3
TW-03D	TW-03D-0623	N	LF	-	GW	6/13/2023	2.2	20 J	14	< 20 U	29 J	< 0.50 U	450	4.7

Notes:

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 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- = no entry
- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicate
- GW = groundwater
- J = estimated value
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected

Unvalidated PCM 2023-07 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Iron by Method SW 6010B (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)	Manganese, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)
IRZ-13D-210	IRZ-13D-210-0723	N	-	-	GW	7/28/2023	--	--	270	< 100 U	< 100 U	< 0.50 U	1.4
IRZ-13S-095	IRZ-13S-095-0723	N	EP	-	GW	7/28/2023	--	--	39	120	< 100 U	< 0.50 U	1.4
MW-20-070	MW-20-070-0723	N	LF	-	GW	7/20/2023	0.97	41	510	--	30	< 0.50 U	24
MW-20-100	MW-20-100-0723	N	LF	-	GW	7/20/2023	< 0.10 U	42	820	--	21	< 0.50 U	5.8
MW-20-130	MW-20-130-0723	N	LF	-	GW	7/20/2023	< 0.10 U	36	600	--	98	3.3	2.7
MW-21	MW-21-0723	N	LF	-	GW	7/20/2023	9.1	77	0.39	--	260	340	< 0.50 U
MW-26	MW-26-0723	N	LF	-	GW	7/20/2023	< 0.10 U	90	0.65	--	51	2000	< 0.50 U
MW-30-050	MW-30-050-0723	N	LF	-	GW	7/18/2023	1.8	30	< 0.20 U	--	69	590	< 0.50 U
MW-31-060	MW-31-060-0723	N	-	-	GW	7/21/2023	< 0.10 U	550	< 0.20 U	--	57	2700	< 0.50 U
MW-31-135	MW-31-135-0723	N	LF	-	GW	7/21/2023	< 0.10 U	41	22	--	< 20 U	8.1	0.75
MW-31-135	MW-904-Q323	FD	-	MW-31-135-0723	GW	7/21/2023	< 0.10 U	41	22	--	< 20 U	6.2	0.75
MW-34-080	MW-34-080-0723	N	LF	-	GW	7/18/2023	< 0.10 U	36	< 0.20 U	--	6500	200	< 0.50 U
MW-36-090	MW-36-090-0723	N	LF	-	GW	7/18/2023	0.38	69	< 0.20 U	--	72	190	< 0.50 U
MW-36-100	MW-36-100-0723	N	LF	-	GW	7/18/2023	2.1	85	< 0.20 U	--	780	730	< 0.50 U
MW-39-040	MW-39-040-0723	N	LF	-	GW	7/18/2023	14	82	< 0.20 U	--	220	77	< 0.25 U
MW-39-050	MW-39-050-0723	N	LF	-	GW	7/18/2023	1.5	45	< 0.20 U	--	80	230	< 0.25 U
MW-39-060	MW-39-060-0723	N	LF	-	GW	7/18/2023	1.7	28	< 0.20 U	--	96	140	< 0.25 U
MW-39-070	MW-39-070-0723	N	LF	-	GW	7/18/2023	< 0.10 U	86	< 0.20 U	--	61	32	< 0.50 U
MW-39-070	MW-905-Q323	FD	-	MW-39-070-0723	GW	7/18/2023	< 0.10 U	85	< 0.20 U	--	60	30	< 0.50 U
MW-39-080	MW-39-080-0723	N	LF	-	GW	7/18/2023	< 0.10 U	35	26	--	85	4.1	< 0.50 U
MW-39-100	MW-39-100-0723	N	LF	-	GW	7/18/2023	< 0.10 U	30	230	--	71	7	< 0.50 U
MW-44-115	MW-44-115-0723	N	LF	-	GW	7/17/2023	< 0.10 U	30	19	--	< 20 U	21	< 0.50 U
MW-44-125	MW-44-125-0723	N	LF	-	GW	7/17/2023	< 0.10 U	51	< 1.0 U	--	95	420	< 0.50 U
MW-45-095A	MW-45-095A-0723	N	LF	-	GW	7/17/2023	< 0.10 U	32	0.77	--	30	53	< 0.50 U
MW-51	MW-51-0723	N	LF	-	GW	7/20/2023	0.87	150	1.3	--	310	1300	< 0.50 U
MW-71-035	MW-71-035-0723	N	LF	-	GW	7/20/2023	< 0.10 U	48	< 1.0 U	--	290	94	1.5
MW-76-039	MW-76-039-0723	N	LF	-	GW	7/17/2023	< 0.10 U	140	89	--	56	< 0.50 U	0.54
MW-76-156	MW-76-156-0723	N	LF	-	GW	7/17/2023	< 0.10 U	48	22	--	25	19	0.78
MW-76-181	MW-76-181-0723	N	LF	-	GW	7/17/2023	< 0.10 U	39	170	--	< 20 U	28	< 0.50 U
MW-76-218	MW-76-218-0723	N	LF	-	GW	7/17/2023	2.5	44	< 0.20 U	--	30	130	< 0.50 U
MW-76-218	MW-906-Q323	FD	-	MW-76-218-0723	GW	7/17/2023	2.7	45	< 0.20 U	--	56	120	< 0.50 U
MW-77-046	MW-77-046-0723	N	LF	-	GW	7/17/2023	1.9	89	< 0.20 U	--	99	670	< 0.50 U
MW-77-102	MW-77-102-0723	N	LF	-	GW	7/17/2023	< 0.10 U	71	< 1.0 U	--	34	140	0.89
MW-77-158	MW-77-158-0723	N	LF	-	GW	7/17/2023	< 0.10 U	44	< 0.20 U	--	38	38	< 0.50 U
MW-77-187	MW-77-187-0723	N	LF	-	GW	7/17/2023	2.8	25	9	--	47	28	< 0.50 U
MW-78-070	MW-78-070-0723	N	LF	-	GW	7/20/2023	< 0.10 U	140	2.6	--	20	170	< 0.50 U
MW-78-142	MW-78-142-0723	N	LF	-	GW	7/20/2023	< 0.10 U	30	1700	--	< 20 U	3.5	2.8
MW-79-058	MW-79-058-0723	N	LF	-	GW	7/20/2023	< 0.10 U	160	39	--	48	16	< 0.50 U
MW-79-102	MW-79-102-0723	N	LF	-	GW	7/20/2023	< 0.10 U	52	380	--	41	29	0.61
MW-80-057	MW-80-057-0723	N	LF	-	GW	7/20/2023	< 0.10 U	92	130	--	70	14	1.5
MW-80-082	MW-80-082-0723	N	LF	-	GW	7/20/2023	< 0.10 U	55	5.2	--	< 20 U	450	< 0.50 U
MW-81-043	MW-81-043-0723	N	-	-	GW	7/21/2023	1.7	120	0.21	--	59	120	< 0.50 U
MW-81-098	MW-81-098-0723	N	-	-	GW	7/21/2023	< 0.10 U	48	< 1.0 U	--	60	86	0.66

Unvalidated PCM 2023-07 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
IRZ-13D-210	IRZ-13D-210-0723	N	-	-	GW	7/28/2023	790	1.4
IRZ-13S-095	IRZ-13S-095-0723	N	EP	-	GW	7/28/2023	460	1.5
MW-20-070	MW-20-070-0723	N	LF	-	GW	7/20/2023	440	1.2
MW-20-100	MW-20-100-0723	N	LF	-	GW	7/20/2023	620	3.5
MW-20-130	MW-20-130-0723	N	LF	-	GW	7/20/2023	1500	7.6
MW-21	MW-21-0723	N	LF	-	GW	7/20/2023	1100	6.6
MW-26	MW-26-0723	N	LF	-	GW	7/20/2023	370	1.2
MW-30-050	MW-30-050-0723	N	LF	-	GW	7/18/2023	220	2.1
MW-31-060	MW-31-060-0723	N	-	-	GW	7/21/2023	300	1.8
MW-31-135	MW-31-135-0723	N	LF	-	GW	7/21/2023	590	< 1.0 U
MW-31-135	MW-904-Q323	FD	-	MW-31-135-0723	GW	7/21/2023	590	< 1.0 U
MW-34-080	MW-34-080-0723	N	LF	-	GW	7/18/2023	570	2
MW-36-090	MW-36-090-0723	N	LF	-	GW	7/18/2023	540	2.2
MW-36-100	MW-36-100-0723	N	LF	-	GW	7/18/2023	530	2.3
MW-39-040	MW-39-040-0723	N	LF	-	GW	7/18/2023	140	7.7
MW-39-050	MW-39-050-0723	N	LF	-	GW	7/18/2023	190	2.1
MW-39-060	MW-39-060-0723	N	LF	-	GW	7/18/2023	200	2.3
MW-39-070	MW-39-070-0723	N	LF	-	GW	7/18/2023	470	2.5
MW-39-070	MW-905-Q323	FD	-	MW-39-070-0723	GW	7/18/2023	480	1.9
MW-39-080	MW-39-080-0723	N	LF	-	GW	7/18/2023	770	1.9
MW-39-100	MW-39-100-0723	N	LF	-	GW	7/18/2023	960	2.4
MW-44-115	MW-44-115-0723	N	LF	-	GW	7/17/2023	970	1.6
MW-44-125	MW-44-125-0723	N	LF	-	GW	7/17/2023	930	1.3
MW-45-095A	MW-45-095A-0723	N	LF	-	GW	7/17/2023	510	2.1
MW-51	MW-51-0723	N	LF	-	GW	7/20/2023	270	5.6
MW-71-035	MW-71-035-0723	N	LF	-	GW	7/20/2023	680	3.3
MW-76-039	MW-76-039-0723	N	LF	-	GW	7/17/2023	500	2.1
MW-76-156	MW-76-156-0723	N	LF	-	GW	7/17/2023	640	1.6
MW-76-181	MW-76-181-0723	N	LF	-	GW	7/17/2023	590	2.5
MW-76-218	MW-76-218-0723	N	LF	-	GW	7/17/2023	470	3.5
MW-76-218	MW-906-Q323	FD	-	MW-76-218-0723	GW	7/17/2023	470	3.3
MW-77-046	MW-77-046-0723	N	LF	-	GW	7/17/2023	290	2.2
MW-77-102	MW-77-102-0723	N	LF	-	GW	7/17/2023	670	1.5
MW-77-158	MW-77-158-0723	N	LF	-	GW	7/17/2023	230	3.1
MW-77-187	MW-77-187-0723	N	LF	-	GW	7/17/2023	480	1.6
MW-78-070	MW-78-070-0723	N	LF	-	GW	7/20/2023	290	1.6
MW-78-142	MW-78-142-0723	N	LF	-	GW	7/20/2023	540	1.6
MW-79-058	MW-79-058-0723	N	LF	-	GW	7/20/2023	370	< 1.0 U
MW-79-102	MW-79-102-0723	N	LF	-	GW	7/20/2023	420	1.1
MW-80-057	MW-80-057-0723	N	LF	-	GW	7/20/2023	440	1.4
MW-80-082	MW-80-082-0723	N	LF	-	GW	7/20/2023	360	1.6
MW-81-043	MW-81-043-0723	N	-	-	GW	7/21/2023	280	1.2
MW-81-098	MW-81-098-0723	N	-	-	GW	7/21/2023	700	< 1.0 U

Unvalidated PCM 2023-07 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)	Iron by Method SW 6010B (ug/L)	Iron, dissolved by Method SW 6010B (ug/L)	Manganese, dissolved by Method SW 6020 (ug/L)	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)
MW-82-046	MW-82-046-0723	N	LF	-	GW	7/18/2023	24	66	< 1.0 U	--	5400	480	< 0.50 U
MW-82-168	MW-82-168-0723	N	LF	-	GW	7/18/2023	< 0.10 U	36	< 0.20 U	--	140	41	< 0.50 U
MW-82-168	MW-907-Q323	FD	-	MW-82-168-0723	GW	7/18/2023	< 0.10 U	36	< 0.20 U	--	120	56	< 0.50 U
MW-82-198	MW-82-198-0723	N	LF	-	GW	7/18/2023	0.31	42	< 0.20 U	--	47	53	< 0.50 U
PT5D	PT5D-0723	N	LF	-	GW	7/17/2023	< 0.10 U	36	110	--	< 20 U	8.6	1.1
PT6D	PT6D-0723	N	LF	-	GW	7/18/2023	< 0.10 U	39	180	--	30	11	0.87
TW-02D	TW-02D-0723	N	LF	-	GW	7/20/2023	4.2	13	8.4	--	32	17	< 0.50 U
TW-02S	TW-02S-0723	N	LF	-	GW	7/20/2023	< 0.10 U	220	21	--	38	< 0.50 U	< 0.50 U
TW-03D	TW-03D-0723	N	LF	-	GW	7/20/2023	2.4	22	9.6	--	57	32	< 0.50 U

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- = not analyzed
- µg/L = micrograms per liter
- EPA = Environmental Protection Agency
- FD = field duplicate
- GW = groundwater
- J = estimated value
- LF = low flow
- mg/L = milligrams per liter
- N = Normal
- SM = standard method
- SW = solid waste
- U = analyte not detected
- = no entry

Unvalidated PCM 2023-07 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
MW-82-046	MW-82-046-0723	N	LF	-	GW	7/18/2023	1500	25
MW-82-168	MW-82-168-0723	N	LF	-	GW	7/18/2023	250	2.1
MW-82-168	MW-907-Q323	FD	-	MW-82-168-0723	GW	7/18/2023	250	1.9
MW-82-198	MW-82-198-0723	N	LF	-	GW	7/18/2023	450	< 1.0 U
PT5D	PT5D-0723	N	LF	-	GW	7/17/2023	1000	1.1
PT6D	PT6D-0723	N	LF	-	GW	7/18/2023	790	1.1
TW-02D	TW-02D-0723	N	LF	-	GW	7/20/2023	370	1.3
TW-02S	TW-02S-0723	N	LF	-	GW	7/20/2023	320	1.3
TW-03D	TW-03D-0723	N	LF	-	GW	7/20/2023	360	1.2

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy Labs and Nitrate/Nitrite as N which was analyzed at BC Labs.
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Acronyms and Abbreviations:

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 N = Normal
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Phase 2 2023-06 Water Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Boron, dissolved by Method SW 6010B (mg/L)	Bromide by Method EPA 300.0 (mg/L)	Calcium, dissolved by Method SW 6010B (mg/L)	Chloride by Method EPA 300.0 (mg/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)
FW-02B-127	FW-02B-127-0623	N	GW	6/15/2023	93	< 0.10 U	110	0.55 J	< 1.0 U	120	580	< 0.20 U

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of ammonia, sulfide and TKN which were analyzed by BC Labs.

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Acronyms and Abbreviations:

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µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

J = estimated value

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Phase 2 2023-06 Water Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, total dissolved by Method SW 6020 (ug/L)	Fluoride by Method EPA 300.0 (mg/L)	Hardness, Calcium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, Magnesium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, total as CaCO3 by Method SM 2340 B (mg/L)	Iron, dissolved by Method SW 6010B (ug/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese, dissolved by Method SW 6020 (ug/L)
FW-02B-127	FW-02B-127-0623	N	GW	6/15/2023	< 1.0 U	1.1	290	110	400	< 20 U	26 J	110

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of ammonia, s which were analyzed by BC Labs.

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EPA = Environmental Protection Agency

GW = groundwater

J = estimated value

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Phase 2 2023-06 Water Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Potassium, dissolved by Method SW 6010B (mg/L)	Sodium, dissolved by Method SW 6010B (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total dissolved solids by Method SM 2540 C (mg/L)	Zinc, dissolved by Method SW 6020 (ug/L)
FW-02B-127	FW-02B-127-0623	N	GW	6/15/2023	4.5	12	330	180	1300	46 J

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of ammonia, s which were analyzed by BC Labs.

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Acronyms and Abbreviations:

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µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

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mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Phase 2 2023-07 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Alkalinity, total as CaCO ₃ by Method SM 2320 B (mg/L)	Arsenic, dissolved by Method SW 6020 (ug/L)	Barium, dissolved by Method SW 6020 (ug/L)	Boron, dissolved by Method SW 6010B (mg/L)	Bromide by Method EPA 300.0 (mg/L)	Calcium, dissolved by Method SW 6010B (mg/L)	Chloride by Method EPA 300.0 (mg/L)	Chromium, Hexavalent by Method EPA 218.6 (ug/L)
ER-03	ER-03-0723	N	3V	GW	7/19/2023	22	--	--	--	< 2.5 U	240	5700	< 1.0 U
ER-04	ER-04-0723	N	3V	GW	7/19/2023	29	--	--	--	< 5.0 U	240	5400	< 1.0 U
FW-02B-127	FW-02B-127-0723	N	3V	GW	7/18/2023	110	< 0.10 U	110	0.39	< 1.0 U	100	480	16
MW-88-107	MW-88-107-0723	N	LF	GW	7/18/2023	160	4.1	28	0.3	< 1.0 U	28	130	42

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of ammonia, sulfide and TKN which were analyzed by BC Labs.

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LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Phase 2 2023-07 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Chromium, total dissolved by Method SW 6020 (ug/L)	Fluoride by Method EPA 300.0 (mg/L)	Hardness, Calcium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, Magnesium (As CaCO3) by Method SM 2340 B (mg/L)	Hardness, total as CaCO3 by Method SM 2340 B (mg/L)	Iron, dissolved by Method SW 6010B (ug/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese, dissolved by Method SW 6020 (ug/L)
ER-03	ER-03-0723	N	3V	GW	7/19/2023	< 1.0 U	5.5	--	--	--	81	2	1200
ER-04	ER-04-0723	N	3V	GW	7/19/2023	< 1.0 U	5.4	--	--	--	130	3.5	590
FW-02B-127	FW-02B-127-0723	N	3V	GW	7/18/2023	18	0.83	250	89	340	95	22	44
MW-88-107	MW-88-107-0723	N	LF	GW	7/18/2023	46	0.99	71	15	86	97	3.7	2.8

Notes:

All samples were sent to Asset Laboratories for analyses with the exception of ammonia, sulfide and TK which were analyzed by BC Labs.

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Acronyms and Abbreviations:

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µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

Phase 2 2023-07 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Nitrate (as nitrogen) by Method EPA 300.0 (mg/L)	Potassium, dissolved by Method SW 6010B (mg/L)	Sodium, dissolved by Method SW 6010B (mg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total dissolved solids by Method SM 2540 C (mg/L)	Zinc, dissolved by Method SW 6020 (ug/L)
ER-03	ER-03-0723	N	3V	GW	7/19/2023	< 0.25 U	80	3800	710	11000	--
ER-04	ER-04-0723	N	3V	GW	7/19/2023	< 0.50 U	92	3000	670	11000	--
FW-02B-127	FW-02B-127-0723	N	3V	GW	7/18/2023	7.2	13	260	160	1400	< 10 U
MW-88-107	MW-88-107-0723	N	LF	GW	7/18/2023	12	9.3	190	95	590	< 10 U

Notes:

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N = Normal

SM = standard method

SW = solid waste

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