

Hyd6 2022-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Alkalinity, total as CaCO ₃ by method SM 2320 B (mg/L)	Aluminum, dissolved by method SW 6020A (µg/L)	Antimony, dissolved by method SW 6020A (µg/L)	Arsenic, dissolved by method SW 6020A (µg/L)	Barium, dissolved by method SW 6020A (µg/L)	Beryllium, dissolved by method SW 6020A (µg/L)	Boron, dissolved by method SW 6020A (mg/L)	Cadmium, dissolved by method SW 6020A (µg/L)
HNWR-01A-098	HNWR-01A-98-Q322	N	3V	--	GW	8/18/2022	90.4	< 200 U	< 1.0 U	13.4	98.5	< 1.0 U	0.537	< 1.0 U
HNWR-01A-174	HNWR-01A-174-Q322	N	3V	--	GW	8/18/2022	88.7	< 200 U	< 1.0 U	13.5	104	< 1.0 U	0.54	< 1.0 U
MTS-1	MTS-1-Q322	N	EP	--	GW	8/16/2022	73.3	< 200 U	< 1.0 U	16.3	86.9	< 1.0 U	0.801	< 1.0 U
MTS-2	MTS-2-Q322	N	EP	--	GW	8/16/2022	74.2	< 200 U	< 1.0 U	16.5	88.8	< 1.0 U	0.811	< 1.0 U
MW-94-030	MW-94-030-Q322	N	LF	--	GW	8/17/2022	86.3	< 200 U	< 1.0 U	4.83	60.4	< 1.0 U	0.562	< 1.0 U
MW-94-030	MW-901-Q322	FD	--	MW-94-030-Q322	GW	8/17/2022	86	< 200 U	< 1.0 U	4.81	61.5	< 1.0 U	0.578	< 1.0 U
MW-94-100	MW-94-100-Q322	N	LF	--	GW	8/17/2022	97.9	< 200 U	< 1.0 U	8.95	72.7	< 1.0 U	0.551	< 1.0 U
MW-94-175	MW-94-175-Q322	N	LF	--	GW	8/17/2022	99.7	< 200 U	< 1.0 U	11.5	90.8	< 1.0 U	0.437	< 1.0 U
MW-99-060	MW-99-060-Q322	N	LF	--	GW	8/16/2022	313	< 200 U	< 1.0 U	8.75	27	< 1.0 U	1.09	< 1.0 U
MW-99-140	MW-99-140-Q322	N	LF	--	GW	8/16/2022	146	< 200 U	< 1.0 U	10.6	60.3	< 1.0 U	0.801	< 1.0 U
PGE-09N	PGE-09N-Q322	N	3V	--	GW	8/16/2022	522	< 2000 U	< 10 U	47.6	67.4	< 10 U	2.31	< 10 U
PGE-09S	PGE-09S-Q322	N	3V	--	GW	8/16/2022	376	< 2000 U	< 10 U	< 10 U	< 10 U	< 10 U	1.93	< 10 U

Notes:

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Hyd6 2022-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Calcium by method SW 6020A (µg/L)	Calcium, dissolved by method SW 6020A (mg/L)	Chloride by method EPA 300.0 (mg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020A (µg/L)	Cobalt, dissolved by method SW 6020A (µg/L)	Copper, dissolved by method SW 6020A (µg/L)	Deuterium by method CFIRM (0/00)
HNWR-01A-098	HNWR-01A-98-Q322	N	3V	--	GW	8/18/2022	27,900	26.6	691	14.7	17	< 1.0 U	< 2.0 UJ	-73.4
HNWR-01A-174	HNWR-01A-174-Q322	N	3V	--	GW	8/18/2022	29,000	27.9	654	13.5	16.7	< 1.0 U	< 2.0 UJ	-74.8
MTS-1	MTS-1-Q322	N	EP	--	GW	8/16/2022	100,000	101	809	5.69	7.21	< 1.0 U	< 2.0 UJ	-74.9
MTS-2	MTS-2-Q322	N	EP	--	GW	8/16/2022	95,900	102	683	7.88	9.41	< 1.0 U	2.74 J	-75.7
MW-94-030	MW-94-030-Q322	N	LF	--	GW	8/17/2022	51,900	51.3	329	18.6	21.1	< 1.0 U	< 2.0 U	-71.8
MW-94-030	MW-901-Q322	FD	--	MW-94-030-Q322	GW	8/17/2022	53,900	53.1	314	18.3	21	< 1.0 U	< 2.0 U	-71.2
MW-94-100	MW-94-100-Q322	N	LF	--	GW	8/17/2022	55,700	49.5	432	7.08	7.64	< 1.0 U	< 2.0 U	-73.8
MW-94-175	MW-94-175-Q322	N	LF	--	GW	8/17/2022	24,400	22.7	212	14.8	16.6	< 1.0 U	< 2.0 U	-74.8
MW-99-060	MW-99-060-Q322	N	LF	--	GW	8/16/2022	57,800	56	490	< 0.20 U	< 1.0 U	< 1.0 U	< 2.0 UJ	-72.2
MW-99-140	MW-99-140-Q322	N	LF	--	GW	8/16/2022	66,700	54.1	578	0.37	< 1.0 U	< 1.0 U	< 2.0 UJ	-73.9
PGE-09N	PGE-09N-Q322	N	3V	--	GW	8/16/2022	175,000	176	3940	< 0.20 U	< 10 U	< 10 U	< 20 UJ	-76.1
PGE-09S	PGE-09S-Q322	N	3V	--	GW	8/16/2022	41,800	44.6	4390	< 0.20 U	< 10 U	< 10 U	< 20 UJ	-79.5

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Hyd6 2022-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Fluoride by method EPA 300.0 (mg/L)	Iron, dissolved by method SW 6020A (µg/L)	Lead, dissolved by method SW 6020A (µg/L)	Magnesium by method SW 6020A (µg/L)	Magnesium, dissolved by method SW 6020A (mg/L)	Manganese, dissolved by method SW 6020A (µg/L)	Mercury, dissolved by method EPA 7470A (µg/L)	Molybdenum, dissolved by method SW 6020A (µg/L)
HNWR-01A-098	HNWR-01A-98-Q322	N	3V	--	GW	8/18/2022	4.91	< 100 U	< 1.0 U	2,160	2.04	< 10 U	< 0.50 U	14.6
HNWR-01A-174	HNWR-01A-174-Q322	N	3V	--	GW	8/18/2022	4.9	< 100 U	< 1.0 U	2,070	1.97	< 10 U	< 0.50 U	17.8
MTS-1	MTS-1-Q322	N	EP	--	GW	8/16/2022	5.64	< 100 U	< 1.0 U	3,600	3.28	< 10 U	< 0.50 U	18.2
MTS-2	MTS-2-Q322	N	EP	--	GW	8/16/2022	5.32	< 100 U	< 1.0 U	3,420	3.34	< 10 U	< 0.50 U	18.6
MW-94-030	MW-94-030-Q322	N	LF	--	GW	8/17/2022	3.8	< 100 UJ	< 1.0 U	11,600	11.1	< 10 U	< 0.50 U	14.1
MW-94-030	MW-901-Q322	FD	--	MW-94-030-Q322	GW	8/17/2022	3.9	< 100 UJ	< 1.0 U	12,200	11.2	< 10 U	< 0.50 U	14
MW-94-100	MW-94-100-Q322	N	LF	--	GW	8/17/2022	3.55	< 100 UJ	< 1.0 U	7,570	6.46	69.4	< 0.50 U	20.2
MW-94-175	MW-94-175-Q322	N	LF	--	GW	8/17/2022	4.16	< 100 UJ	< 1.0 U	1,580	1.48	< 10 U	< 0.50 U	10.6
MW-99-060	MW-99-060-Q322	N	LF	--	GW	8/16/2022	3.08	< 100 U	< 1.0 U	20,600	20.2	135	< 0.50 U	37.3
MW-99-140	MW-99-140-Q322	N	LF	--	GW	8/16/2022	3.83	< 100 U	< 1.0 U	11,200	10.3	50.1	< 0.50 U	29.3
PGE-09N	PGE-09N-Q322	N	3V	--	GW	8/16/2022	3.88	6070	< 10 U	85,900	86.4	749	< 0.50 U	67.2
PGE-09S	PGE-09S-Q322	N	3V	--	GW	8/16/2022	1.6	1600	< 10 U	97,400	100	104	< 0.50 U	27.5

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Hyd6 2022-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Nickel, dissolved by method SW 6020A (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Oxygen 18 by method CFIRM (0/00)	Potassium by method SW 6020A (µg/L)	Potassium, dissolved by method SW 6020A (mg/L)	Selenium, dissolved by method SW 6020A (µg/L)	Silver, dissolved by method SW 6020A (µg/L)	Sodium by method SW 6020A (µg/L)
HNWR-01A-098	HNWR-01A-98-Q322	N	3V	--	GW	8/18/2022	12.9	2.29	-10.07	6,610	6.22	< 1.0 U	< 1.0 U	383,000
HNWR-01A-174	HNWR-01A-174-Q322	N	3V	--	GW	8/18/2022	17	1.98	-10.07	6,980	6.66	< 1.0 U	< 1.0 U	420,000
MTS-1	MTS-1-Q322	N	EP	--	GW	8/16/2022	< 1.0 U	1.57	-10.04	8,240	7.71	< 1.0 U	< 1.0 U	432,000
MTS-2	MTS-2-Q322	N	EP	--	GW	8/16/2022	< 1.0 U	1.73	-10.04	7,760	7.71	< 1.0 U	< 1.0 U	384,000
MW-94-030	MW-94-030-Q322	N	LF	--	GW	8/17/2022	< 1.0 U	3.01	-9.5	6,490	6.14	3.57	< 1.0 U	228,000
MW-94-030	MW-901-Q322	FD	--	MW-94-030-Q322	GW	8/17/2022	< 1.0 U	3.13	-9.54	6,850	6.09	3.63	< 1.0 U	236,000
MW-94-100	MW-94-100-Q322	N	LF	--	GW	8/17/2022	14	1.85	-9.74	7,660	6.76	< 1.0 U	< 1.0 U	294,000
MW-94-175	MW-94-175-Q322	N	LF	--	GW	8/17/2022	1.46	2.16	-10.02	5,800	5.37	< 1.0 U	< 1.0 U	190,000
MW-99-060	MW-99-060-Q322	N	LF	--	GW	8/16/2022	< 1.0 U	< 0.10 U	-9.63	11,600	11.3	< 1.0 U	< 1.0 U	436,000
MW-99-140	MW-99-140-Q322	N	LF	--	GW	8/16/2022	< 1.0 U	1.58	-9.82	9,860	11.4	< 1.0 U	< 1.0 U	386,000
PGE-09N	PGE-09N-Q322	N	3V	--	GW	8/16/2022	< 10 U	< 0.10 U	-9.74	13,100	13.6	< 10 U	< 10 U	2,320,000
PGE-09S	PGE-09S-Q322	N	3V	--	GW	8/16/2022	< 10 U	< 0.10 U	-9.96	15,400	15	< 10 U	< 10 U	2,230,000

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Hyd6 2022-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Sodium, dissolved by method SW 6020A (mg/L)	Sulfate by method EPA 300.0 (mg/L)	Thallium, dissolved by method SW 6020A (µg/L)	Total dissolved solids by method SM 2540 C (mg/L)	Total organic carbon by method SW 9060A (mg/L)	Vanadium, dissolved by method SW 6020A (µg/L)	Zinc, dissolved by method SW 6020A (µg/L)
HNWR-01A-098	HNWR-01A-98-Q322	N	3V	--	GW	8/18/2022	396	77.5	< 1.0 U	1060	< 1.0 U	17.9	< 20 U
HNWR-01A-174	HNWR-01A-174-Q322	N	3V	--	GW	8/18/2022	426	82.5	< 1.0 U	1170	< 1.0 U	16.3	< 20 U
MTS-1	MTS-1-Q322	N	EP	--	GW	8/16/2022	439	142	< 1.0 U	1430	< 1.0 U	10.8	< 20 U
MTS-2	MTS-2-Q322	N	EP	--	GW	8/16/2022	413	137	< 1.0 U	1470	1.27	12.1	< 20 U
MW-94-030	MW-94-030-Q322	N	LF	--	GW	8/17/2022	227	151	< 1.0 U	861	< 1.0 U	15.6	< 20 U
MW-94-030	MW-901-Q322	FD	--	MW-94-030-Q322	GW	8/17/2022	233	144	< 1.0 U	810	< 1.0 U	15.5	< 20 U
MW-94-100	MW-94-100-Q322	N	LF	--	GW	8/17/2022	293	106	< 1.0 U	891	< 3.0 U	14.7	< 20 U
MW-94-175	MW-94-175-Q322	N	LF	--	GW	8/17/2022	189	64.6	< 1.0 U	572	< 1.0 U	18.4	< 20 U
MW-99-060	MW-99-060-Q322	N	LF	--	GW	8/16/2022	440	226	< 1.0 U	1340	3.11	< 1.0 U	< 20 U
MW-99-140	MW-99-140-Q322	N	LF	--	GW	8/16/2022	431	221	< 1.0 U	1230	1.58	< 1.0 U	< 20 U
PGE-09N	PGE-09N-Q322	N	3V	--	GW	8/16/2022	2,320	887	< 10 U	6590	6.49	< 10 U	< 200 U
PGE-09S	PGE-09S-Q322	N	3V	--	GW	8/16/2022	2,140	856	< 10 U	6140	6.43	< 10 U	< 200 U

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Unvalidated OMM 2022-Q4 Sampling

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total by method SW 6020 (µg/L)	Iron, dissolved by method SW 6010B (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)
Backwash Post-filter	BACKWASH POST-FILTER-100322	N	WATER	10/3/2022	< 1.0 U	260	110	250
Backwash Post-filter	BACKWASH POST-FILTER-101122	N	WATER	10/11/2022	440	440	< 20 U	40
Backwash Post-filter	BACKWASH POST-FILTER-101822	N	WATER	10/18/2022	300	420	< 20 U	44
Backwash Post-filter	BACKWASH POST-FILTER-102522	N	WATER	10/25/2022	300	370	< 20 U	48
Backwash Post-filter	Backwash Post-filter-110222	N	WATER	11/2/2022	280	310	110	56
Backwash Post-filter	BACKWASH POST-FILTER-110822	N	WATER	11/8/2022	280	340	< 20 U	40
Backwash Pre-filte	BACKWASH PRE-FILTER-100322	N	WATER	10/3/2022	< 1.0 U	360	72	260
Backwash Pre-filte	BACKWASH PRE-FILTER-101122	N	WATER	10/11/2022	450	460	< 20 U	36
Backwash Pre-filte	BACKWASH PRE-FILTER-101822	N	WATER	10/18/2022	310	310	< 20 U	42
Backwash Pre-filte	BACKWASH PRE-FILTER-102522	N	WATER	10/25/2022	300	400	82	47
Backwash Pre-filte	Backwash Pre-filter-110222	N	GW	11/2/2022	270	340	< 20 U	55
Backwash Pre-filte	BACKWASH PRE-FILTER-110822	N	WATER	11/8/2022	280	370	48	41

Notes:

All samples were sent to Asset for analyses.

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µg/L = micrograms per liter

EPA = Environmental Protection Agency

N = Normal

SW = solid waste

Unvalidated PCM 2022-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Ethanol by method SW 8260B (µg/L)	Iron by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)
IRZ-09-100	IRZ-09-100-1022	N	EP	--	GW	10/11/2022	--	--	17	--	< 20 U	< 20 U	0.94	1.6
IRZ-13D-210	IRZ-13D-210-1022	N	EP	--	GW	10/11/2022	--	--	410	--	< 20 U	< 20 U	< 0.50 U	1.8
IRZ-13S-095	IRZ-13S-095-1022	N	EP	--	GW	10/11/2022	--	--	29	--	< 20 U	< 20 U	< 0.50 U	1.8
IRZ-23-143	IRZ-23-143-1022	N	EP	--	GW	10/11/2022	--	--	650	--	110	< 20 U	< 0.50 U	4
MW-20-070	MW-20-070-1022	N	LF	--	GW	10/12/2022	0.92	43	890	--	--	< 20 U	< 0.50 U	31
MW-20-100	MW-20-100-1022	N	LF	--	GW	10/12/2022	< 0.10 U	67	1700	--	--	< 20 U	< 0.50 U	8.2
MW-20-130	MW-20-130-1022	N	LF	--	GW	10/12/2022	< 0.10 U	28	1800	--	--	< 20 U	4	7.6
MW-26	MW-26-1022	N	LF	--	GW	10/13/2022	< 0.10 U	80	7	< 200 U	--	< 20 U	220	< 0.50 U
MW-30-050	MW-30-050-1022	N	LF	--	GW	10/11/2022	2.5	16	< 0.20 U	--	--	27	370	< 0.25 U
MW-31-060	MW-31-060-1022	N	LF	--	GW	10/12/2022	< 0.10 U	91	< 1.0 U	23000	--	79	690	< 0.50 U
MW-31-135	MW-31-135-1022	N	LF	--	GW	10/12/2022	< 0.10 U	40	17	--	--	< 20 U	3.5	0.79
MW-34-080	MW-34-080-1022	N	LF	--	GW	10/12/2022	< 0.10 U	39	< 1.0 U	--	--	410	150	< 0.50 U
MW-36-090	MW-36-090-1022	N	LF	--	GW	10/12/2022	1.3	48	< 0.20 U	--	--	140	160	< 0.50 U
MW-36-100	MW-36-100-1022	N	LF	--	GW	10/12/2022	3.4	61	< 0.20 U	--	--	710	590	< 0.50 U
MW-39-040	MW-39-040-1022	N	LF	--	GW	10/11/2022	14	61	< 0.20 U	--	--	220	100	< 0.25 U
MW-39-050	MW-39-050-1022	N	LF	--	GW	10/11/2022	1.6	42	< 0.20 U	--	--	< 20 U	220	< 0.25 U
MW-39-060	MW-39-060-1022	N	LF	--	GW	10/11/2022	1.5	38	< 0.20 U	--	--	32	250	< 0.50 U
MW-39-070	MW-39-070-1022	N	LF	--	GW	10/11/2022	0.97	45	< 0.20 U	--	--	< 20 U	18	< 0.50 U
MW-39-070	MW-906-Q422	FD	--	MW-39-070-1022	GW	10/11/2022	1.1	45	< 0.20 U	--	--	190	19	< 0.50 U
MW-39-080	MW-39-080-1022	N	LF	--	GW	10/11/2022	< 0.10 U	27	13	--	--	< 20 U	5.8	< 0.50 U
MW-39-100	MW-39-100-1022	N	LF	--	GW	10/11/2022	< 0.10 U	35	310	--	--	< 20 U	12	< 0.50 U
MW-44-115	MW-44-115-1022	N	LF	--	GW	10/11/2022	1.5	21	1.1	--	--	< 20 U	17	< 0.50 U
MW-44-125	MW-44-125-1022	N	LF	--	GW	10/11/2022	1.7	48	< 1.0 U	--	--	400	550	< 0.50 U
MW-45-095A	MW-45-095A-1022	N	LF	--	GW	10/12/2022	< 0.10 U	31	< 1.0 U	--	--	< 20 U	360	< 0.50 U
MW-51	MW-51-1022	N	LF	--	GW	10/13/2022	1.3	91	720	< 200 U	--	40	40	2.2
MW-51	MW-907-Q422	FD	--	MW-51-1022	GW	10/13/2022	3.5	84	720	< 200 U	--	21	29	2.1
MW-71-035	MW-71-035-1022	N	LF	--	GW	10/12/2022	< 0.10 U	50	< 1.0 U	--	--	< 20 U	120	0.5
MW-76-039	MW-76-039-1022	N	LF	--	GW	10/10/2022	< 0.10 U	54	180	--	--	< 20 U	< 0.50 U	3.2
MW-76-156	MW-76-156-1022	N	LF	--	GW	10/10/2022	< 0.10 U	98	< 1.0 U	--	--	240	1300	< 0.50 U
MW-76-181	MW-76-181-1022	N	LF	--	GW	10/10/2022	< 0.10 U	56	1100	--	--	< 20 U	49	1.5
MW-76-218	MW-76-218-1022	N	LF	--	GW	10/10/2022	< 0.10 U	78	< 1.0 U	--	--	< 20 U	470	< 0.50 U
MW-77-046	MW-77-046-1022	N	LF	--	GW	10/10/2022	2.5	56	< 0.20 U	--	--	< 20 U	600	< 0.50 U
MW-77-102	MW-77-102-1022	N	LF	--	GW	10/10/2022	< 0.10 U	56	< 1.0 U	--	--	< 20 U	100	1.1
MW-77-158	MW-77-158-1022	N	LF	--	GW	10/10/2022	0.65	30	< 0.20 U	--	--	23	27	< 0.50 U
MW-77-187	MW-77-187-1022	N	LF	--	GW	10/10/2022	2.2	24	33	--	--	< 20 U	9	0.57
MW-78-070	MW-78-070-1022	N	LF	--	GW	10/13/2022	< 0.10 U	160	14	--	--	< 20 U	620	< 0.50 U
MW-78-142	MW-78-142-1022	N	LF	--	GW	10/13/2022	4.2	30	4500	--	--	< 20 U	1.4	6
MW-79-058	MW-79-058-1022	N	LF	--	GW	10/13/2022	< 0.10 U	280	350	--	--	< 20 U	< 0.50 U	0.73
MW-79-102	MW-79-102-1022	N	LF	--	GW	10/13/2022	1	45	170	--	--	< 20 U	3	< 0.50 U
MW-80-057	MW-80-057-1022	N	LF	--	GW	10/13/2022	< 0.10 U	83	640	--	--	< 20 U	10	6.3
MW-80-082	MW-80-082-1022	N	LF	--	GW	10/13/2022	2.5	46	20	--	--	< 20 U	0.97	< 0.50 U
MW-80-082	MW-908-Q422	FD	--	MW-80-082-1022	GW	10/13/2022	2.6	44	20	--	--	< 20 U	0.93	< 0.50 U
MW-81-043	MW-81-043-1022	N	LF	--	GW	10/11/2022	3.3	76	13	--	--	46	41	1.3
MW-81-098	MW-81-098-1022	N	LF	--	GW	10/11/2022	< 0.10 U	59	1.5	--	--	43	160	0.81
MW-82-046	MW-82-046-1022	N	LF	--	GW	10/11/2022	21	59	< 1.0 U	--	--	6100	240	< 0.50 U

Unvalidated PCM 2022-10 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)	Total organic carbon by method SM 5310 C (mg/L)
IRZ-09-100	IRZ-09-100-1022	N	EP	--	GW	10/11/2022	480	--	< 1.0 U
IRZ-13D-210	IRZ-13D-210-1022	N	EP	--	GW	10/11/2022	910	--	< 1.0 U
IRZ-13S-095	IRZ-13S-095-1022	N	EP	--	GW	10/11/2022	460	--	< 1.0 U
IRZ-23-143	IRZ-23-143-1022	N	EP	--	GW	10/11/2022	470	--	< 1.0 U
MW-20-070	MW-20-070-1022	N	LF	--	GW	10/12/2022	550	--	< 1.0 U
MW-20-100	MW-20-100-1022	N	LF	--	GW	10/12/2022	660	--	< 1.0 U
MW-20-130	MW-20-130-1022	N	LF	--	GW	10/12/2022	1200	--	< 1.0 U
MW-26	MW-26-1022	N	LF	--	GW	10/13/2022	510	2.4	< 20 U
MW-30-050	MW-30-050-1022	N	LF	--	GW	10/11/2022	200	--	< 1.0 U
MW-31-060	MW-31-060-1022	N	LF	--	GW	10/12/2022	520	25	< 50 U
MW-31-135	MW-31-135-1022	N	LF	--	GW	10/12/2022	640	--	< 1.0 U
MW-34-080	MW-34-080-1022	N	LF	--	GW	10/12/2022	640	--	< 1.0 U
MW-36-090	MW-36-090-1022	N	LF	--	GW	10/12/2022	290	--	< 1.0 U
MW-36-100	MW-36-100-1022	N	LF	--	GW	10/12/2022	400	--	< 1.0 U
MW-39-040	MW-39-040-1022	N	LF	--	GW	10/11/2022	120	--	2.9
MW-39-050	MW-39-050-1022	N	LF	--	GW	10/11/2022	190	--	< 1.0 U
MW-39-060	MW-39-060-1022	N	LF	--	GW	10/11/2022	210	--	< 1.0 U
MW-39-070	MW-39-070-1022	N	LF	--	GW	10/11/2022	280	--	< 1.0 U
MW-39-070	MW-906-Q422	FD	--	MW-39-070-1022	GW	10/11/2022	280	--	< 1.0 U
MW-39-080	MW-39-080-1022	N	LF	--	GW	10/11/2022	590	--	< 1.0 U
MW-39-100	MW-39-100-1022	N	LF	--	GW	10/11/2022	1000	--	< 1.0 U
MW-44-115	MW-44-115-1022	N	LF	--	GW	10/11/2022	1000	--	< 1.0 U
MW-44-125	MW-44-125-1022	N	LF	--	GW	10/11/2022	1100	--	< 1.0 U
MW-45-095A	MW-45-095A-1022	N	LF	--	GW	10/12/2022	430	--	< 1.0 U
MW-51	MW-51-1022	N	LF	--	GW	10/13/2022	460	< 1.0 U	< 20 U
MW-51	MW-907-Q422	FD	--	MW-51-1022	GW	10/13/2022	500	4.6	< 1.0 U
MW-71-035	MW-71-035-1022	N	LF	--	GW	10/12/2022	1200	--	< 1.0 U
MW-76-039	MW-76-039-1022	N	LF	--	GW	10/10/2022	220	--	< 1.0 U
MW-76-156	MW-76-156-1022	N	LF	--	GW	10/10/2022	660	--	< 1.0 U
MW-76-181	MW-76-181-1022	N	LF	--	GW	10/10/2022	940	--	< 1.0 U
MW-76-218	MW-76-218-1022	N	LF	--	GW	10/10/2022	650	--	< 1.0 U
MW-77-046	MW-77-046-1022	N	LF	--	GW	10/10/2022	420	--	< 1.0 U
MW-77-102	MW-77-102-1022	N	LF	--	GW	10/10/2022	710	--	< 1.0 U
MW-77-158	MW-77-158-1022	N	LF	--	GW	10/10/2022	550	--	< 1.0 U
MW-77-187	MW-77-187-1022	N	LF	--	GW	10/10/2022	740	--	< 1.0 U
MW-78-070	MW-78-070-1022	N	LF	--	GW	10/13/2022	530	--	< 1.0 U
MW-78-142	MW-78-142-1022	N	LF	--	GW	10/13/2022	760	--	< 1.0 U
MW-79-058	MW-79-058-1022	N	LF	--	GW	10/13/2022	560	--	< 1.0 U
MW-79-102	MW-79-102-1022	N	LF	--	GW	10/13/2022	550	--	< 1.0 U
MW-80-057	MW-80-057-1022	N	LF	--	GW	10/13/2022	510	--	< 1.0 U
MW-80-082	MW-80-082-1022	N	LF	--	GW	10/13/2022	530	--	< 1.0 U
MW-80-082	MW-908-Q422	FD	--	MW-80-082-1022	GW	10/13/2022	540	--	< 1.0 U
MW-81-043	MW-81-043-1022	N	LF	--	GW	10/11/2022	300	--	< 1.0 U
MW-81-098	MW-81-098-1022	N	LF	--	GW	10/11/2022	740	--	< 1.0 U
MW-82-046	MW-82-046-1022	N	LF	--	GW	10/11/2022	1500	--	1.9

Unvalidated PCM 2022-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Ethanol by method SW 8260B (µg/L)	Iron by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)
MW-82-112	MW-82-112-1022	N	LF	--	GW	10/11/2022	< 0.10 U	59	< 1.0 U	--	--	< 20 U	150	1
MW-82-112	MW-909-Q422	FD	--	MW-82-112-1022	GW	10/11/2022	< 0.10 U	61	< 1.0 U	--	--	< 20 U	150	1.1
MW-82-168	MW-82-168-1022	N	LF	--	GW	10/11/2022	< 0.10 U	35	< 1.0 U	--	--	49	38	< 0.50 U
MW-82-168	MW-910-Q422	FD	--	MW-82-168-1022	GW	10/11/2022	< 0.10 U	31	< 1.0 U	--	--	43	33	< 0.50 U
MW-82-198	MW-82-198-1022	N	LF	--	GW	10/11/2022	< 0.10 U	36	2.6	--	--	20	67	1.2
TW-02D	TW-02D-1022	N	3V	--	GW	10/12/2022	2.3	22	100	--	--	< 20 U	5.2	< 0.50 U
TW-02S	TW-02S-1022	N	3V	--	GW	10/12/2022	0.49	160	130	--	--	< 20 U	< 0.50 U	1.7
TW-03D	TW-03D-1022	N	3V	--	GW	10/12/2022	3.3	25	370	--	--	< 20 U	41	0.55

Notes:

All samples were sent to Asset for analyses.

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Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicate

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

-- = not applicable

Unvalidated PCM 2022-10 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)	Total organic carbon by method SM 5310 C (mg/L)
MW-82-112	MW-82-112-1022	N	LF	--	GW	10/11/2022	740	--	< 1.0 U
MW-82-112	MW-909-Q422	FD	--	MW-82-112-1022	GW	10/11/2022	730	--	< 1.0 U
MW-82-168	MW-82-168-1022	N	LF	--	GW	10/11/2022	560	--	< 1.0 U
MW-82-168	MW-910-Q422	FD	--	MW-82-168-1022	GW	10/11/2022	540	--	< 1.0 U
MW-82-198	MW-82-198-1022	N	LF	--	GW	10/11/2022	890	--	< 1.0 U
TW-02D	TW-02D-1022	N	3V	--	GW	10/12/2022	690	--	< 1.0 U
TW-02S	TW-02S-1022	N	3V	--	GW	10/12/2022	300	--	< 1.0 U
TW-03D	TW-03D-1022	N	3V	--	GW	10/12/2022	710	--	< 1.0 U

Notes:

All samples were sent to Asset for analyses.

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Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicate

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

-- = not applicable

Unvalidated Phase 2a Construction

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Alkalinity, total as CaCO3 by method SM 2320 B (mg/L)	Aluminum by method SW 6010B (µg/L)	Aluminum, dissolved by method SW 6010B (µg/L)	Antimony by method SW 6020 (µg/L)	Antimony, dissolved by method SW 6020 (µg/L)	Arsenic by method SW 6020 (µg/L)	Arsenic, dissolved by method SW 6020 (µg/L)	Barium by method SW 6020 (µg/L)	Barium, dissolved by method SW 6020 (µg/L)	Beryllium by method SW 6020 (µg/L)	Beryllium, dissolved by method SW 6020 (µg/L)
ER-1	ER-01-CR-35-136	N	GW	11/5/2022	--	--	--	--	--	--	< 0.10 U	--	--	--	--
TCS-2	TCS-2-223-102022	N	GW	10/20/2022	--	--	--	--	--	--	2.3	--	--	--	--
TCS-2	TCS-2-SC-132-158	N	GW	10/23/2022	89	340	< 50 U	< 0.50 U	< 0.50 U	1.5	1.5	60	58	< 0.50 U	< 0.50 U
TCS-2	TCS-2-SC-178-223	N	GW	10/23/2022	110	< 50 U	< 50 U	< 0.50 U	< 0.50 U	2.6	2.6	34	34	< 0.50 U	< 0.50 U
TWB-03	TWB-03-SC-056-076	N	GW	10/5/2022	78	52	< 50 U	< 0.50 U	< 0.50 U	< 0.10 U	< 0.10 U	78	77	< 0.50 U	< 0.50 U

Notes:

All samples were sent to Asset for analyses with the exception of ammonia as nitrogen, biochemical oxygen demand, sulfide, and total kjedahl nitrogen which were sent to BC Labs for analyses.
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 N = Normal
 SW = solid waste
 U = analyte not detected
 -- = not applicable

Unvalidated Phase 2a Construction

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Boron by method SW 6010B (µg/L)	Boron, dissolved by method SW 6010B (mg/L)	Bromide by method EPA 300.0 (mg/L)	Cadmium by method SW 6020 (µg/L)	Cadmium, dissolved by method SW 6020 (µg/L)	Calcium by method SW 6010B (µg/L)	Calcium, dissolved by method SW 6010B (mg/L)	Chloride by method EPA 300.0 (mg/L)	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total by method SW 6020 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)
ER-1	ER-01-CR-35-136	N	GW	11/5/2022	--	--	--	--	--	--	--	--	880	--	990
TCS-2	TCS-2-223-102022	N	GW	10/20/2022	--	--	--	--	--	--	--	--	1,200	--	1,300
TCS-2	TCS-2-SC-132-158	N	GW	10/23/2022	450	0.5	< 5.0 U	< 0.50 U	< 0.50 U	270,000	290	780	450	540	510
TCS-2	TCS-2-SC-178-223	N	GW	10/23/2022	1,300	1.4	< 5.0 U	< 0.50 U	< 0.50 U	260,000	290	1,700	1,400	1,400	1,400
TWB-03	TWB-03-SC-056-076	N	GW	10/5/2022	1,400	1.4	< 5.0 U	< 0.50 U	< 0.50 U	490,000	460	3,000	1,100	1,100	1,100

Notes:

All samples were sent to Asset for analyses with the exception of ammonia as nitrogen, b oxygen demand, sulfide, and total kjedahl nitrogen which were sent to BC Labs for ana < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 N = Normal
 SW = solid waste
 U = analyte not detected
 -- = not applicable

Unvalidated Phase 2a Construction

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Cobalt by method SW 6020 (µg/L)	Cobalt, dissolved by method SW 6020 (µg/L)	Copper by method SW 6020 (µg/L)	Copper, dissolved by method SW 6020 (µg/L)	Fluoride by method EPA 300.0 (mg/L)	Iron by method SW 6010B (µg/L)	Iron, dissolved by method SW 6010B (µg/L)	Lead by method SW 6020 (µg/L)	Lead, dissolved by method SW 6020 (µg/L)	Magnesium by method SW 6010B (µg/L)	Magnesium, dissolved by method SW 6010B (mg/L)
ER-1	ER-01-CR-35-136	N	GW	11/5/2022	--	--	--	--	--	--	--	--	--	--	--
TCS-2	TCS-2-223-102022	N	GW	10/20/2022	--	--	--	--	--	--	--	--	--	--	--
TCS-2	TCS-2-SC-132-158	N	GW	10/23/2022	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	< 1.0 U	510	< 20 U	< 1.0 U	< 1.0 U	53,000	55
TCS-2	TCS-2-SC-178-223	N	GW	10/23/2022	< 0.50 U	< 0.50 U	1.9	5.5	1.4	< 20 U	< 20 U	< 1.0 U	< 1.0 U	16,000	18
TWB-03	TWB-03-SC-056-076	N	GW	10/5/2022	< 0.50 U	< 0.50 U	< 1.0 U	< 1.0 U	2	96	< 20 U	< 1.0 U	< 1.0 U	22,000	24

Notes:

All samples were sent to Asset for analyses with the exception of ammonia as nitrogen, b oxygen demand, sulfide, and total kjedahl nitrogen which were sent to BC Labs for ana < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 N = Normal
 SW = solid waste
 U = analyte not detected
 -- = not applicable

Unvalidated Phase 2a Construction

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Manganese by method SW 6020 (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)	Mercury by method EPA 7470A (µg/L)	Mercury, dissolved by method EPA 7470A (µg/L)	Molybdenum by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nickel by method SW 6020 (µg/L)	Nickel, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Nitrite as Nitrogen by method EPA 300.0 (mg/L)	Potassium by method SW 6010B (µg/L)
ER-1	ER-01-CR-35-136	N	GW	11/5/2022	--	--	--	--	--	--	--	--	--	--	--
TCS-2	TCS-2-223-102022	N	GW	10/20/2022	--	--	--	--	--	--	--	--	--	--	--
TCS-2	TCS-2-SC-132-158	N	GW	10/23/2022	13	6.9	< 0.20 U	< 0.20 U	5.8	5.9	1.2	< 1.0 U	19	< 5.0 U	18,000
TCS-2	TCS-2-SC-178-223	N	GW	10/23/2022	6.5	7.5	< 0.20 U	< 0.20 U	18	19	2.8	< 1.0 U	18	< 5.0 U	17,000
TWB-03	TWB-03-SC-056-076	N	GW	10/5/2022	21	18	< 0.20 U	< 0.20 U	3.2	3	< 25 U	< 25 U	11	< 5.0 U	23,000

Notes:

All samples were sent to Asset for analyses with the exception of ammonia as nitrogen, b oxygen demand, sulfide, and total kjedahl nitrogen which were sent to BC Labs for ana < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 N = Normal
 SW = solid waste
 U = analyte not detected
 -- = not applicable

Unvalidated Phase 2a Construction

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Potassium, dissolved by method SW 6010B (mg/L)	Selenium by method SW 6020 (µg/L)	Selenium, dissolved by method SW 6020 (µg/L)	Silver by method SW 6020 (µg/L)	Silver, dissolved by method SW 6020 (µg/L)	Sodium by method SW 6010B (µg/L)	Sodium, dissolved by method SW 6010B (mg/L)	Sulfate by method EPA 300.0 (mg/L)	Thallium by method SW 6020 (µg/L)	Thallium, dissolved by method SW 6020 (µg/L)	Total dissolved solids by method SM 2540 C (mg/L)
ER-1	ER-01-CR-35-136	N	GW	11/5/2022	--	--	--	--	--	--	--	--	--	--	--
TCS-2	TCS-2-223-102022	N	GW	10/20/2022	--	--	--	--	--	--	--	--	--	--	--
TCS-2	TCS-2-SC-132-158	N	GW	10/23/2022	9.9	11	13	< 0.50 U	< 0.50 U	200,000	280	340	< 0.50 U	< 0.50 U	2,200
TCS-2	TCS-2-SC-178-223	N	GW	10/23/2022	22	15	16	< 0.50 U	< 0.50 U	1,000,000	880	690	< 0.50 U	< 0.50 U	4,300
TWB-03	TWB-03-SC-056-076	N	GW	10/5/2022	25	30	29	< 0.50 U	< 0.50 U	1,600,000	1,600	590	< 0.50 U	< 0.50 U	6,800

Notes:

All samples were sent to Asset for analyses with the exception of ammonia as nitrogen, b oxygen demand, sulfide, and total kjedahl nitrogen which were sent to BC Labs for ana
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 N = Normal
 SW = solid waste
 U = analyte not detected
 -- = not applicable

Unvalidated Phase 2a Construction

Location ID	Sample ID	Sample Type	Matrix	Sample Date	Total organic carbon by method SM 5310 C (mg/L)	Total phosphorus as P by method EPA 365.3 (mg/L)	Vanadium by method SW 6020 (µg/L)	Vanadium, dissolved by method SW 6020 (µg/L)	Zinc by method SW 6020 (µg/L)	Zinc, dissolved by method SW 6020 (µg/L)
ER-1	ER-01-CR-35-136	N	GW	11/5/2022	--	--	--	--	--	--
TCS-2	TCS-2-223-102022	N	GW	10/20/2022	--	--	--	--	--	--
TCS-2	TCS-2-SC-132-158	N	GW	10/23/2022	< 1.0 U	--	8.8	9	27	25
TCS-2	TCS-2-SC-178-223	N	GW	10/23/2022	< 1.0 U	--	5.7	6.8	58	72
TWB-03	TWB-03-SC-056-076	N	GW	10/5/2022	< 1.0 U	--	3	2.7	220	53

Notes:

All samples were sent to Asset for analyses with the exception of ammonia as nitrogen, b oxygen demand, sulfide, and total kjedahl nitrogen which were sent to BC Labs for ana
 < = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

µg/L = micrograms per liter
 EPA = Environmental Protection Agency
 GW = groundwater
 N = Normal
 SW = solid waste
 U = analyte not detected
 -- = not applicable

Unvalidated RCM 2022-10 Sampling

Location ID	Sample ID	Sample Type	SAMPLE_METH OD	Matrix	Sample Date	Chromium, Hexavalent by method EPA 218.6 (µg/L)	Chromium, total dissolved by method SW 6020 (µg/L)	Manganese, dissolved by method SW 6020 (µg/L)	Molybdenum, dissolved by method SW 6020 (µg/L)	Nitrate (as nitrogen) by method EPA 300.0 (mg/L)	Selenium, dissolved by method SW 6020 (µg/L)
MW-67-185	MW-67-185-1022	N	LF	GW	10/13/2022	150	180	1400	24	25	180
MW-68-180	MW-68-180-1022	N	LF	GW	10/13/2022	39000	40000	--	49	--	--

Notes:

All samples were sent to Asset for analyses.

Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SW = solid waste

-- = not applicable