

Unvalidated As-Needed 2023-10

Location ID	Sample ID	Sample Type	Sample Method	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)	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)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
PT6D	PT6D-1023	N	LF	GW	10/9/2023	< 0.10 U	27	110	21	4.6	0.74	770	0.36

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Weck Labs

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

- 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

Hyd6 2023-08 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 (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)
HNWR-01A-098	HNWR-01A-098-Q323	N	LF		GW	8/17/2023	90.6	< 1000 U	< 5.0 U	15	113	< 5.0 U
HNWR-01A-174	HNWR-01A-174-Q323	N	LF		GW	8/17/2023	87.2	< 1000 U	< 5.0 U	13.9	108	< 5.0 U
MARINA-1	MARINA-1-Q323	N	EP		GW	9/14/2023	41.1	< 2000 U	< 10 U	< 10 U	108	< 10 U
MTS-1	MTS-1-Q323	N	EP		GW	8/15/2023	72.6	< 1000 U	< 5.0 U	13.5	87.7	< 5.0 U
MTS-2	MTS-2-Q323	N	EP		GW	8/15/2023	73.6	< 1000 U	< 5.0 U	17.1	92.3	< 5.0 U
MW-94-030	MW-94-030-Q323	N	LF		GW	8/15/2023	83.9	< 1000 U	< 5.0 U	< 5.0 U	70.5	< 5.0 U
MW-94-030	MW-901-Q323	FD		MW-94-030-Q323	GW	8/15/2023	83.3	< 1000 U	< 5.0 U	< 5.0 U	68	< 5.0 U
MW-94-100	MW-94-100-Q323	N	LF		GW	8/15/2023	83.3	< 1000 U	< 5.0 U	9.07	78.9	< 5.0 U
MW-94-175	MW-94-175-Q323	N	LF		GW	8/15/2023	97.8	< 1000 U	< 5.0 U	11.6	96.8	< 5.0 U
MW-99-060	MW-99-060-Q323	N	LF		GW	8/16/2023	302	< 1000 U	< 5.0 U	11.4	31	< 5.0 U
MW-99-140	MW-99-140-Q323	N	LF		GW	8/16/2023	187	< 1000 U	< 5.0 U	6.22	131	< 5.0 U
PGE-09N	PGE-09N-Q323	N	LF		GW	8/16/2023	530	< 1000 U	< 5.0 U	51.3	74.9	< 5.0 U
PGE-09S	PGE-09S-Q323	N	LF		GW	8/16/2023	399	< 1000 U	< 5.0 U	< 5.0 U	18.6	< 5.0 U
SITE B-165	SITE B-165-Q323	N	LF		GW	8/17/2023	85.8	< 1000 U	< 5.0 U	16.5	123	< 5.0 U
SITE B-220	SITE B-220-Q323	N	LF		GW	8/17/2023	86	< 1000 U	< 5.0 U	17.5	124	< 5.0 U
SITE B-285	SITE B-285-Q323	N	LF		GW	8/17/2023	85.8	< 1000 U	< 5.0 U	17.5	127	< 5.0 U
SITE B-285	MW-902-Q323	FD		SITE B-285-Q323	GW	8/17/2023	86.3	< 1000 U	< 5.0 U	18.1	124	< 5.0 U

Notes:

All samples were sent to EMAX Laboratories for analyses wiith the exception of Deuterium and Oxygen 18 which were analyzed at Isotech Labs.

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Hyd6 2023-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Boron, dissolved by Method SW 6020A (mg/L)	Cadmium, dissolved by Method SW 6020A (µg/L)	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)
HNWR-01A-098	HNWR-01A-098-Q323	N	LF		GW	8/17/2023	0.544	< 5.0 U	32100	31.4	640	14.3
HNWR-01A-174	HNWR-01A-174-Q323	N	LF		GW	8/17/2023	0.527	< 5.0 U	28200	28.3	546	14.3
MARINA-1	MARINA-1-Q323	N	EP		GW	9/14/2023	4.76	< 10 U	407000	493	11700	1.04
MTS-1	MTS-1-Q323	N	EP		GW	8/15/2023	0.784	< 5.0 U	103000	102	836	2.48
MTS-2	MTS-2-Q323	N	EP		GW	8/15/2023	0.789	< 5.0 U	107000	103	703	9.99
MW-94-030	MW-94-030-Q323	N	LF		GW	8/15/2023	0.589	< 5.0 U	52600	52.5	313	19.1
MW-94-030	MW-901-Q323	FD		MW-94-030-Q323	GW	8/15/2023	0.58	< 5.0 U	52200	52.1	327	19.3
MW-94-100	MW-94-100-Q323	N	LF		GW	8/15/2023	0.561	< 5.0 U	49900	47.6	407	8.2
MW-94-175	MW-94-175-Q323	N	LF		GW	8/15/2023	0.429	< 5.0 U	24600	24.2	206	14.8
MW-99-060	MW-99-060-Q323	N	LF		GW	8/16/2023	1.07	< 5.0 U	61100	62.8	531	< 0.20 U
MW-99-140	MW-99-140-Q323	N	LF		GW	8/16/2023	0.643	< 5.0 U	68100	57.3	490	< 0.20 U
PGE-09N	PGE-09N-Q323	N	LF		GW	8/16/2023	2.38	< 5.0 U	190000	190	3390	< 0.20 U
PGE-09S	PGE-09S-Q323	N	LF		GW	8/16/2023	2.03	< 5.0 U	70900	68.9	3200	< 0.20 U
SITE B-165	SITE B-165-Q323	N	LF		GW	8/17/2023	0.331	< 5.0 U	36300	37	339	27.4
SITE B-220	SITE B-220-Q323	N	LF		GW	8/17/2023	0.329	< 5.0 U	35600	35.1	334	31.4
SITE B-285	SITE B-285-Q323	N	LF		GW	8/17/2023	0.339	< 5.0 U	36000	35.6	331	32
SITE B-285	MW-902-Q323	FD		SITE B-285-Q323	GW	8/17/2023	0.319	< 5.0 U	35800	35.9	334	31.9

Notes:

All samples were sent to EMAX Laboratories for analyses wiith the exception of Deuterium and Oxygen 18 which were analyzed at Isotech Labs.

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- mg/L = milligrams per liter
- N = Normal
- U = analyte not detected

Hyd6 2023-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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 CF-IRMS (0/00)	Fluoride by Method EPA 300.0 (mg/L)	Iron, dissolved by Method SW 6020A (µg/L)
HNWR-01A-098	HNWR-01A-098-Q323	N	LF		GW	8/17/2023	17.4	< 5.0 U	< 10 U	-74.3	4.05	< 500 U
HNWR-01A-174	HNWR-01A-174-Q323	N	LF		GW	8/17/2023	17.2	< 5.0 U	< 10 U	-73.9	4.89	< 500 U
MARINA-1	MARINA-1-Q323	N	EP		GW	9/14/2023	< 10 U	< 10 U	< 20 U	-77.7	3.33	< 1000 U
MTS-1	MTS-1-Q323	N	EP		GW	8/15/2023	< 5.0 U	< 5.0 U	< 10 U	-74.7	5.06	< 500 U
MTS-2	MTS-2-Q323	N	EP		GW	8/15/2023	11.3	< 5.0 U	< 10 U	-74.2	5.16	< 500 U
MW-94-030	MW-94-030-Q323	N	LF		GW	8/15/2023	20.8	< 5.0 U	< 10 U	-71.6	3.89	< 500 U
MW-94-030	MW-901-Q323	FD		MW-94-030-Q323	GW	8/15/2023	20.4	< 5.0 U	< 10 U	-71.9	3.84	< 500 U
MW-94-100	MW-94-100-Q323	N	LF		GW	8/15/2023	8.71	< 5.0 U	< 10 U	-72.6	3.2	< 500 U
MW-94-175	MW-94-175-Q323	N	LF		GW	8/15/2023	16.2	< 5.0 U	< 10 U	-73.8	3.86	< 500 U
MW-99-060	MW-99-060-Q323	N	LF		GW	8/16/2023	< 5.0 U	< 5.0 U	< 10 U	-71.8	2.89	< 500 U
MW-99-140	MW-99-140-Q323	N	LF		GW	8/16/2023	< 5.0 U	< 5.0 U	< 10 U	-73.2	3.88	< 500 U
PGE-09N	PGE-09N-Q323	N	LF		GW	8/16/2023	< 5.0 U	< 5.0 U	< 10 U	-75.8	3.33	6210
PGE-09S	PGE-09S-Q323	N	LF		GW	8/16/2023	< 5.0 U	< 5.0 U	< 10 U	-77.7	1.56	2960
SITE B-165	SITE B-165-Q323	N	LF		GW	8/17/2023	32.6	< 5.0 U	< 10 U	-75.7	4.73	< 500 U
SITE B-220	SITE B-220-Q323	N	LF		GW	8/17/2023	39.1	< 5.0 U	< 10 U	-77.1	4.38	1470
SITE B-285	SITE B-285-Q323	N	LF		GW	8/17/2023	38.1	< 5.0 U	< 10 U	-75.8	4.37	< 500 U
SITE B-285	MW-902-Q323	FD		SITE B-285-Q323	GW	8/17/2023	38.5	< 5.0 U	< 10 U	-75.6	4.4	< 500 U

Notes:

All samples were sent to EMAX Laboratories for analyses wiith the exception of Deuterium and Oxygen 18 which were analyzed at Isotech Labs.

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Hyd6 2023-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	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 7470A (µg/L)	Molybdenum, dissolved by Method SW 6020A (µg/L)
HNWR-01A-098	HNWR-01A-098-Q323	N	LF		GW	8/17/2023	< 5.0 U	2380	2.35	< 50 U	< 0.50 U	16.6
HNWR-01A-174	HNWR-01A-174-Q323	N	LF		GW	8/17/2023	< 5.0 U	2090	2.11	< 50 U	< 0.50 U	15.5
MARINA-1	MARINA-1-Q323	N	EP		GW	9/14/2023	< 10 U	16100	17.4	< 100 U	< 0.50 U	81.7
MTS-1	MTS-1-Q323	N	EP		GW	8/15/2023	< 5.0 U	3530	3.45	< 50 U	< 0.50 U	19.4
MTS-2	MTS-2-Q323	N	EP		GW	8/15/2023	< 5.0 U	3710	3.62	< 50 U	< 0.50 U	19
MW-94-030	MW-94-030-Q323	N	LF		GW	8/15/2023	< 5.0 U	11700	12	< 50 U	< 0.50 U	15.7
MW-94-030	MW-901-Q323	FD		MW-94-030-Q323	GW	8/15/2023	< 5.0 U	11600	11.8	< 50 U	< 0.50 U	15.2
MW-94-100	MW-94-100-Q323	N	LF		GW	8/15/2023	< 5.0 U	7580	6.62	< 50 U	< 0.50 U	20.9
MW-94-175	MW-94-175-Q323	N	LF		GW	8/15/2023	< 5.0 U	1830	1.49	< 50 U	< 0.50 U	10.5
MW-99-060	MW-99-060-Q323	N	LF		GW	8/16/2023	< 5.0 U	20500	21.5	209	< 0.50 U	39.3
MW-99-140	MW-99-140-Q323	N	LF		GW	8/16/2023	< 5.0 U	13200	8.9	< 50 U	< 0.50 U	21.4
PGE-09N	PGE-09N-Q323	N	LF		GW	8/16/2023	< 5.0 U	87200	91.4	802	< 0.50 U	67.7
PGE-09S	PGE-09S-Q323	N	LF		GW	8/16/2023	< 5.0 U	99600	102	171	< 0.50 U	32
SITE B-165	SITE B-165-Q323	N	LF		GW	8/17/2023	< 5.0 U	7140	6.89	< 50 U	< 0.50 U	14.9
SITE B-220	SITE B-220-Q323	N	LF		GW	8/17/2023	< 5.0 U	6950	6.83	< 50 U	< 0.50 U	12.1
SITE B-285	SITE B-285-Q323	N	LF		GW	8/17/2023	< 5.0 U	7140	7.01	< 50 U	< 0.50 U	11.7
SITE B-285	MW-902-Q323	FD		SITE B-285-Q323	GW	8/17/2023	< 5.0 U	6990	7	< 50 U	< 0.50 U	11.9

Notes:

All samples were sent to EMAX Laboratories for analyses wiith the exception of Deuterium and Oxygen 18 which were analyzed at Isotech Labs.

Acronyms and Abbreviations:

- µg/L = micrograms per liter
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- FD = field duplicate
- mg/L = milligrams per liter
- N = Normal
- U = analyte not detected

OMM 2023-Q3 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)	Chromium, total dissolved by Method SW 6020 (µg/L)	Iron, dissolved by Method SW 6010B (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)
MW-30-030	MW-30-030R-102023	N	GW	10/20/2023	< 0.20 U		< 1.0 U		
RPWC_EFF	RPWC_EFF-20230706	N	Water	07/06/2023	< 0.20 U	15		34	740
RPWC_EFF	RPWC_EFF-20230711	N	Water	07/11/2023	0.23	8.7		220	550
RPWC_EFF	RPWC_EFF-20230718	N	Water	07/18/2023	< 0.20 U	14		440	350
RPWC_EFF	RPWC_EFF-20230725	N	Water	07/25/2023	< 0.20 U	2.3		470	240
RPWC_EFF	RPWC_EFF-20230801	N	Water	08/01/2023	< 0.20 U	25		< 100 U	160
RPWC_EFF	RPWC_EFF-20230808	N	Water	08/08/2023	< 0.20 U	13		200	110
RPWC_EFF	RPWC_EFF_20230822	N	Water	08/22/2023	0.37	8.2		30	150
RPWC_EFF	RPWC_EFF_20230829	N	Water	08/29/2023	0.21	4.5		46	130
RPWC_EFF	RPWC_EFF-20230906	N	Water	09/06/2023	2	30		210	64
RPWC_EFF	RPWC_EFF-20230912	N	Water	09/12/2023	0.43	7		200	68
RPWC_EFF	RPWC_EFF-20230919	N	Water	09/19/2023	0.41	7.9		160	51
RPWC_EFF	RPWC_EFF-20230926	N	Water	09/26/2023	< 0.20 U	4.2		280	490
RPWC_EFF	RPWC_EFF-20231003	N	Water	10/03/2023	< 0.20 U	3.3		290	130
RPWC_EFF	RPWC_EFF-20231010	N	Water	10/10/2023	< 0.20 U	1.7		280	65
RPWC_INF	RPWC_INF-20230706	N	Water	07/06/2023	< 0.20 U	26		49	750
RPWC_INF	RPWC_INF-20230711	N	Water	07/11/2023	0.26	24		160	550
RPWC_INF	RPWC_INF-20230718	N	Water	07/18/2023	< 0.20 U	46		390	340
RPWC_INF	RPWC_INF-20230725	N	Water	07/25/2023	< 0.20 U	9.5		< 20 U	230
RPWC_INF	RPWC_INF-20230801	N	Water	08/01/2023	< 0.20 U	70		36	150
RPWC_INF	RPWC_INF-20230808	N	Water	08/08/2023	< 0.20 U	35		210	110
RPWC_INF	RPWC_INF_20230822	N	Water	08/22/2023	0.4	20		84	150
RPWC_INF	RPWC_INF_20230829	N	Water	08/29/2023	0.26	9.3		< 20 U	140
RPWC_INF	RPWC_INF-20230906	N	Water	09/06/2023	2	48		150	61
RPWC_INF	RPWC_INF-20230912	N	Water	09/12/2023	0.68	16		57	69
RPWC_INF	RPWC_INF-20230919	N	Water	09/19/2023	0.49	12		< 20 U	50
RPWC_INF	RPWC_INF-20230926	N	Water	09/26/2023	< 0.20 U	37		330	530
RPWC_INF	RPWC_INF-20231003	N	Water	10/03/2023	< 0.20 U	46		390	130
RPWC_INF	RPWC_INF-20231010	N	Water	10/10/2023	0.31	14		62	68
RPWC_MID	RPWC_MID-20230706	N	Water	07/06/2023	< 0.20 U	15		74	840
RPWC_MID	RPWC_MID-20230711	N	Water	07/11/2023	0.28	12		96	710
RPWC_MID	RPWC_MID-20230718	N	Water	07/18/2023	< 0.20 U	4.4		460	360
RPWC_MID	RPWC_MID-20230725	N	Water	07/25/2023	< 0.20 U	2.6		320	260
RPWC_MID	RPWC_MID-20230801	N	Water	08/01/2023	< 0.20 U	20		< 100 U	180
RPWC_MID	RPWC_MID-20230808	N	Water	08/08/2023	< 1.0 U	17		72	160
RPWC_MID	RPWC_MID_20230822	N	Water	08/22/2023	0.27	6.8		140	160
RPWC_MID	RPWC_MID_20230829	N	Water	08/29/2023	< 0.20 U	3.6		20	120
RPWC_MID	RPWC_MID-20230906	N	Water	09/06/2023	0.85	5		32	110
RPWC_MID	RPWC_MID-20230912	N	Water	09/12/2023	3.1	11		47	65
RPWC_MID	RPWC_MID-20230919	N	Water	09/19/2023	1.1	20		76	68
RPWC_MID	RPWC_MID-20230926	N	Water	09/26/2023	< 0.20 U	4.6		200	350
RPWC_MID	RPWC_MID-20231003	N	Water	10/03/2023	1.6	5.8		35	300
RPWC_MID	RPWC_MID-20231010	N	Water	10/10/2023	< 0.20 U	2.4		340	95

Notes:

All samples were sent to Asset Labortory for analyses.

Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

N = Normal

SM = standard method

SW = solid waste

U = analyte not detected

OMM 2023-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)
RPWC_EFF	RPWC_EFF-2023101	N	Water	10/17/2023	< 0.20 U	7.6	10000	490
RPWC_EFF	RPWC_EFF-2023102	N	Water	10/24/2023	< 0.20 U	8	140	320
RPWC_EFF	RPWC_EFF-2023103	N	Water	10/31/2023	< 0.20 U	20	130	53
RPWC_EFF	RPWC_EFF-2023110	N	Water	11/07/2023	< 0.20 U	13	240	700
RPWC_INF	RPWC_INF-2023101	N	Water	10/17/2023	< 0.20 U	34	10000	460
RPWC_INF	RPWC_INF-2023102	N	Water	10/24/2023	< 0.20 U	37	130	290
RPWC_INF	RPWC_INF-2023103	N	Water	10/31/2023	< 0.20 U	93	280	55
RPWC_INF	RPWC_INF-2023110	N	Water	11/07/2023	< 0.20 U	70	330	770
RPWC_MID	RPWC_MID-2023103	N	Water	10/13/2023	< 0.20 U	23	210	88
RPWC_MID	RPWC_MID-2023101	N	Water	10/17/2023	< 0.20 U	7.6	8200	390
RPWC_MID	RPWC_MID-2023102	N	Water	10/24/2023	< 0.20 U	6.8	3400	410
RPWC_MID	RPWC_MID-2023110	N	Water	11/07/2023	0.22	20	870	290

Notes:
All samples were sent to Asset Labortory for analyses.

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N = Normal
SM = standard method
SW = solid waste
U = analyte not detected

PCM 2023-07 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)	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)	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			270	< 100 U	< 100 U	< 0.50 U	1.4	790	1.4
IRZ-13S-095	IRZ-13S-095-0723	N	EP		GW	7/28/2023			39	120 J	< 100 U	< 0.50 U	1.4	460	1.5
MW-20-070	MW-20-070-0723	N	LF		GW	7/20/2023	0.97	41	510		30 J	< 0.50 U	24	440	1.2
MW-20-100	MW-20-100-0723	N	LF		GW	7/20/2023	< 0.10 U	42	820		21 J	< 0.50 U	5.8	620	3.5
MW-20-130	MW-20-130-0723	N	LF		GW	7/20/2023	< 0.10 U	36	600		98 J	3.3	2.7	1500	7.6
MW-21	MW-21-0723	N	LF		GW	7/20/2023	9.1	77	0.39		260 J	340	< 0.50 U	1100	6.6
MW-26	MW-26-0723	N	LF		GW	7/20/2023	< 0.10 U	90	0.65		51 J	2000	< 0.50 U	370	1.2
MW-30-050	MW-30-050-0723	N	LF		GW	7/18/2023	1.8 J	30	< 0.20 U		69 J	590	< 0.50 U	220	2.1
MW-31-060	MW-31-060-0723	N			GW	7/21/2023	< 0.10 U	550 J	< 0.20 U		57 J	2700	< 0.50 U	300	1.8
MW-31-135	MW-31-135-0723	N	LF		GW	7/21/2023	< 0.10 U	41 J	22		< 20 U	8.1 J	0.75	590	< 1.0 U
MW-31-135	MW-904-Q323	FD		MW-31-135-0723	GW	7/21/2023	< 0.10 U	41 J	22		< 20 U	6.2 J	0.75	590	< 1.0 U
MW-34-080	MW-34-080-0723	N	LF		GW	7/18/2023	< 0.10 UJ	36	< 0.20 U		6500 J	200	< 0.50 U	570	2
MW-36-090	MW-36-090-0723	N	LF		GW	7/18/2023	0.38 J	69	< 0.20 U		72 J	190	< 0.50 U	540	2.2
MW-36-100	MW-36-100-0723	N	LF		GW	7/18/2023	2.1 J	85	< 0.20 U		780 J	730	< 0.50 U	530	2.3
MW-39-040	MW-39-040-0723	N	LF		GW	7/18/2023	14 J	82	< 0.20 U		220 J	77	< 0.25 U	140	7.7
MW-39-050	MW-39-050-0723	N	LF		GW	7/18/2023	1.5 J	45	< 0.20 U		80 J	230	< 0.25 U	190	2.1
MW-39-060	MW-39-060-0723	N	LF		GW	7/18/2023	1.7 J	28	< 0.20 U		96 J	140	< 0.25 U	200	2.3
MW-39-070	MW-39-070-0723	N	LF		GW	7/18/2023	< 0.10 UJ	86	< 0.20 U		61 J	32	< 0.50 U	470	2.5
MW-39-070	MW-905-Q323	FD		MW-39-070-0723	GW	7/18/2023	< 0.10 UJ	85	< 0.20 U		60 J	30	< 0.50 U	480	1.9
MW-39-080	MW-39-080-0723	N	LF		GW	7/18/2023	< 0.10 UJ	35	26		85 J	4.1	< 0.50 U	770	1.9
MW-39-100	MW-39-100-0723	N	LF		GW	7/18/2023	< 0.10 UJ	30	230		71 J	7	< 0.50 U	960	2.4
MW-44-115	MW-44-115-0723	N	LF		GW	7/17/2023	< 0.10 U	30 J	19		< 20 UJ	21	< 0.50 U	970	1.6 J
MW-44-125	MW-44-125-0723	N	LF		GW	7/17/2023	< 0.10 U	51 J	< 1.0 U		95 J	420	< 0.50 U	930	1.3 J
MW-45-095A	MW-45-095A-0723	N	LF		GW	7/17/2023	< 0.10 U	32 J	0.77		30 J	53	< 0.50 U	510	2.1 J
MW-51	MW-51-0723	N	LF		GW	7/20/2023	0.87	150	1.3		310 J	1300	< 0.50 U	270	5.6
MW-71-035	MW-71-035-0723	N	LF		GW	7/20/2023	< 0.10 U	48	< 1.0 U		290 J	94	1.5	680	3.3
MW-76-039	MW-76-039-0723	N	LF		GW	7/17/2023	< 0.10 U	140 J	89		56 J	< 0.50 U	0.54	500	2.1 J
MW-76-156	MW-76-156-0723	N	LF		GW	7/17/2023	< 0.10 U	48 J	22		25 J	19	0.78	640	1.6 J
MW-76-181	MW-76-181-0723	N	LF		GW	7/17/2023	< 0.10 U	39 J	170		< 20 UJ	28	< 0.50 U	590	2.5 J
MW-76-218	MW-76-218-0723	N	LF		GW	7/17/2023	2.5	44 J	< 0.20 U		30 J	130	< 0.50 U	470	3.5 J
MW-76-218	MW-906-Q323	FD		MW-76-218-0723	GW	7/17/2023	2.7	45 J	< 0.20 U		56 J	120	< 0.50 U	470	3.3 J
MW-77-046	MW-77-046-0723	N	LF		GW	7/17/2023	1.9	89 J	< 0.20 U		99 J	670	< 0.50 U	290	2.2 J
MW-77-102	MW-77-102-0723	N	LF		GW	7/17/2023	< 0.10 U	71 J	< 1.0 U		34 J	140	0.89	670	1.5 J
MW-77-158	MW-77-158-0723	N	LF		GW	7/17/2023	< 0.10 U	44 J	< 0.20 U		38 J	38	< 0.50 U	230	3.1 J
MW-77-187	MW-77-187-0723	N	LF		GW	7/17/2023	2.8	25 J	9		47 J	28	< 0.50 U	480	1.6 J
MW-78-070	MW-78-070-0723	N	LF		GW	7/20/2023	< 0.10 U	140	2.6		20 J	170	< 0.50 U	290	1.6
MW-78-142	MW-78-142-0723	N	LF		GW	7/20/2023	< 0.10 U	30	1700		< 20 U	3.5	2.8	540	1.6
MW-79-058	MW-79-058-0723	N	LF		GW	7/20/2023	< 0.10 U	160	39		48 J	16	< 0.50 U	370	< 1.0 U
MW-79-102	MW-79-102-0723	N	LF		GW	7/20/2023	< 0.10 U	52	380		41 J	29	0.61	420	1.1
MW-80-057	MW-80-057-0723	N	LF		GW	7/20/2023	< 0.10 U	92	130		70 J	14	1.5	440	1.4
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	360	1.6
MW-81-043	MW-81-043-0723	N			GW	7/21/2023	1.7	120 J	0.21		59 J	120	< 0.50 U	280	1.2
MW-81-098	MW-81-098-0723	N			GW	7/21/2023	< 0.10 U	48 J	< 1.0 U		60 J	86	0.66	700	< 1.0 U
MW-82-046	MW-82-046-0723	N	LF		GW	7/18/2023	24 J	66	< 1.0 U		5400 J	480	< 0.50 U	1500	25
MW-82-168	MW-82-168-0723	N	LF		GW	7/18/2023	< 0.10 UJ	36	< 0.20 U		140 J	41 J	< 0.50 U	250	2.1
MW-82-168	MW-907-Q323	FD		MW-82-168-0723	GW	7/18/2023	< 0.10 UJ	36	< 0.20 U		120 J	56 J	< 0.50 U	250	1.9
MW-82-198	MW-82-198-0723	N	LF		GW	7/18/2023	0.31 J	42	< 0.20 U		47 J	53	< 0.50 U	450	< 1.0 U
PT5D	PT5D-0723	N	LF		GW	7/17/2023	< 0.10 U	36 J	110		< 20 UJ	8.6	1.1	1000	1.1 J
PT6D	PT6D-0723	N	LF		GW	7/18/2023	< 0.10 UJ	39	180		30 J	11	0.87	790	1.1
TW-02D	TW-02D-0723	N	LF		GW	7/20/2023	4.2	13	8.4		32 J	17	< 0.50 U	370	1.3
TW-02S	TW-02S-0723	N	LF		GW	7/20/2023	< 0.10 U	220	21		38 J	< 0.50 U	< 0.50 U	320	1.3
TW-03D	TW-03D-0723	N	LF		GW	7/20/2023	2.4	22	9.6		57 J	32	< 0.50 U	360	1.2

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Enthalpy 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

Unvalidated PCM 2023-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, Dissolved by SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (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)	Molybdenum, dissolved by Method SW 6020 (µg/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 (µg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
IRZ-09-100	IRZ-09-100-Q323	N	EP		GW	8/23/2023			15		840	65	0.93		1.8			500	0.36
IRZ-13D-210	IRZ-13D-210-Q323	N	EP		GW	8/23/2023			270		< 20 UJ	< 20 U	< 0.50 U		1.7			810	0.35
IRZ-13S-095	IRZ-13S-095-Q323	N	EP		GW	8/23/2023			34		< 20 UJ	< 20 U	< 0.50 U		1.7			440	0.48
IRZ-21-065	IRZ-21-065-Q323	N	EP		GW	8/15/2023	< 0.10 U	74	1.2	1.3		< 20 U	120	12	< 0.25 U		< 0.50 U	270	< 1.0 U
IRZ-21-157	IRZ-21-157-Q323	N	EP		GW	8/15/2023	< 0.10 U	53	3.1	5.5		67	51	22	< 0.25 U		< 0.50 U	270	< 1.0 U
IRZ-21-157	MW-908-Q323	FD		IRZ-21-157-Q323	GW	8/15/2023	< 0.10 U	54	3.3	4.2		< 20 U	46	17	< 0.25 U		< 0.50 U	260	< 1.0 U
IRZ-23-143	IRZ-23-143-Q323	N	EP		GW	8/23/2023			510		< 20 UJ	< 20 U	< 0.50 U		3.2			480	0.63
IRZ-25-100	IRZ-25-100-Q323	N	EP		GW	8/15/2023	< 0.10 U	150	240	290		38	7.1	9.1	1		0.79	400	2.9
IRZ-25-166	IRZ-25-166-Q323	N	EP		GW	8/15/2023	< 0.10 U	210	180	210		37	58	7.8	1.6		1.1	500	1.2
IRZ-25-166	MW-909-Q323	FD		IRZ-25-166-Q323	GW	8/15/2023	< 0.10 U	250	220	230		< 20 U	39	6	0.62		0.91	440	< 1.0 U
MW-20-070	MW-20-070-Q323	N	LF		GW	8/11/2023	0.68	43	930	930		< 20 U	< 0.50 U	17	28		24	570	0.75
MW-20-100	MW-20-100-Q323	N	LF		GW	8/11/2023	< 0.10 U	37	930	970		350 J	< 0.50 U	6.9	7.3		12	610	2
MW-20-100	MW-910-Q323	FD		MW-20-100-Q323	GW	8/11/2023	< 0.10 U	39	920	1000		< 20 UJ	< 0.50 U	7.2	7.4		13	620	2
MW-20-130	MW-20-130-Q323	N	LF		GW	8/11/2023	< 0.10 U	29	1300	1400		< 20 U	2.1	4.8	6.7		21	1100	3.1
MW-21	MW-21-Q323	N	LF		GW	8/9/2023	7.2	55 J	0.21	1.8 J		240	290 J	58	< 0.50 U		0.58	1000	2.8
MW-22	MW-22-Q323	N	LF		GW	8/16/2023	6.8	150 J	< 1.0 U			19000 J	5900 J		< 0.50 U				
MW-26	MW-26-Q323	N	LF		GW	8/10/2023	< 0.10 U	79	< 0.20 U	< 1.0 U		120	1900	5.6	< 0.50 U		< 0.50 U	340	0.97
MW-26	MW-911-Q323	FD		MW-26-Q323	GW	8/10/2023	< 0.10 U	83	< 0.20 U	< 1.0 U		120	1800	5.8	< 0.50 U		< 0.50 U	310	0.92
MW-27-020	MW-27-020-Q323	N	LF		GW	8/23/2023	0.5 J	110	< 0.20 U			< 20 U	5.8		< 0.25 U				2.5
MW-27-060	MW-27-060-Q323	N	LF		GW	8/23/2023	11 J	150	< 0.20 U			520	320		< 0.25 U				2.4
MW-27-085	MW-27-085-Q323	N	LF		GW	8/23/2023	< 0.10 UJ	50	< 1.0 U			360	270		< 0.25 U				1.6
MW-28-025	MW-28-025-Q323	N	LF		GW	8/24/2023	0.53 J	76	< 0.20 U			< 20 U	14		< 0.25 U				2
MW-28-090	MW-28-090-Q323	N	LF		GW	8/24/2023	< 0.10 UJ	32	< 0.20 U			1200	460		< 0.25 U				1.2
MW-29	MW-29-Q323	N	LF		GW	8/22/2023			< 0.20 U										
MW-30-050	MW-30-050-Q323	N	LF		GW	8/8/2023	1.9 J	32	< 0.20 U			160 J	650		< 0.50 U			230	1.4
MW-31-060	MW-31-060-Q323	N	LF		GW	8/11/2023	< 0.10 U	28	13	14		< 20 U	14	19	0.58		< 0.50 U	330	0.39
MW-31-135	MW-31-135-Q323	N	LF		GW	8/11/2023	< 0.10 U	42	21	21		47	19	30	0.89		< 0.50 U	650	0.33
MW-31-135	MW-912-Q323	FD		MW-31-135-Q323	GW	8/11/2023	< 0.10 U	42	21	21		< 20 U	19	29	0.86		< 0.50 U	640	0.36
MW-32-020	MW-32-020-Q323	N	LF		GW	8/16/2023	< 0.10 U	87 J	< 1.0 U			5900 J	320 J		< 0.50 U				
MW-32-035	MW-32-035-Q323	N	LF		GW	8/16/2023	14	650 J	< 1.0 U			13000 J	740 J		< 0.50 U				
MW-33-040	MW-33-040-Q323	N	LF		GW	8/23/2023			< 1.0 U										
MW-33-090	MW-33-090-Q323	N	LF		GW	8/23/2023			4										
MW-33-150	MW-33-150-Q323	N	LF		GW	8/23/2023			8.4										
MW-33-210	MW-33-210-Q323	N	LF		GW	8/23/2023			13										
MW-34-055	MW-34-055-Q323	N	LF		GW	8/23/2023	6.1 J	32	< 0.20 U			< 20 U	85		< 0.25 U				1.5
MW-34-080	MW-34-080-Q323	N	LF		GW	8/9/2023	< 0.10 U	35 J	< 0.20 U			7000	200 J		< 0.50 U			590	2.9
MW-34-100	MW-34-100-Q323	N	LF		GW	8/23/2023	< 0.10 UJ	21	3.4			< 20 U	57		< 0.25 U				1.8
MW-35-060	MW-35-060-Q323	N	LF		GW	8/17/2023			19										
MW-35-135	MW-35-135-Q323	N	LF		GW	8/17/2023			25										
MW-36-020	MW-36-020-Q323	N	LF		GW	8/15/2023	0.58	76	< 0.20 U			570	170		< 0.10 U				3.5
MW-36-040	MW-36-040-Q323	N	LF		GW	8/15/2023	5.6	94	< 0.20 U			720	280		0.34				3.3
MW-36-050	MW-36-050-Q323	N	LF		GW	8/15/2023	4.6	42	< 0.20 U			240	360		< 0.10 U				1.7
MW-36-070	MW-36-070-Q323	N	LF		GW	8/15/2023	2.1	41	< 0.20 U			< 20 U	340		< 0.10 U				1.5
MW-36-090	MW-36-090-Q323	N	LF		GW	8/10/2023	< 0.10 U	27	0.24			43	61		< 0.50 U			400	0.84
MW-36-100	MW-36-100-Q323	N	LF		GW	8/10/2023	0.63	64	0.84			62	49		< 0.50 U			160	0.68
MW-39-040	MW-39-040-Q323	N	LF		GW	8/8/2023	1.1 J	18	< 0.20 U			120 J	300		< 0.25 U			110	1.3
MW-39-050	MW-39-050-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	38	< 0.20 U			< 20 UJ	18		< 0.25 U			210	0.88
MW-39-060	MW-39-060-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	18	9.2			< 20 UJ	6.4		< 0.25 U			380	0.78
MW-39-070	MW-39-070-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	74	< 0.20 U			< 20 UJ	38		< 0.50 U			430	1.1
MW-39-080	MW-39-080-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	34	20			< 20 UJ	7		< 0.50 U			750	1
MW-39-100	MW-39-100-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	30	220			< 20 UJ	7.5		< 0.50 U			960	1.5
MW-42-030	MW-42-030-Q323	N	LF		GW	8/14/2023	1.9	72	< 0.20 U			350	59		< 0.25 U				3.9
MW-42-055	MW-42-055-Q323	N	LF		GW	8/14/2023	10	160	< 0.20 U			220	240		< 0.25 U				1.5
MW-42-065	MW-42-065-Q323	N	LF		GW	8/14/2023	< 0.10 U	86	< 0.20 U			< 20 U	2100		2.8				3.7
MW-43-025	MW-43-025-Q323	N	LF		GW	8/24/2023	26 J	76	< 0.20 U			4500	400		< 0.50 U				4.8
MW-43-075	MW-43-075-Q323	N	LF		GW	8/24/2023	6 J	58	< 1.0 U			3100	440		< 0.50 U				3.5
MW-43-090	MW-43-090-Q323	N	LF		GW	8/24/2023	< 0.10 UJ	53	< 1.0 U			1300	690		< 0.50 U				3.5
MW-44-070	MW-44-070-Q323	N	LF		GW	8/16/2023	2.6	45 J	< 0.20 U			790 J	380 J		< 0.10 U				
MW-44-115	MW-44-115-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	26	18			85 J	13		0.6			1000	0.54
MW-44-125	MW-44-125-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	46	< 1.0 U			45 J	420		0.5			970	0.54
MW-45-095A	MW-45-095A-Q323	N	LF		GW	8/9/2023	< 0.10 U	28 J	< 0.20 U			< 20 U	220 J		< 0.50 U			480	1.8
MW-46-175	MW-46-175-Q323	N	LF		GW	8/23/2023	< 0.10 UJ	30	7.7			< 20 U	9.2		1.2				0.36
MW-46-205	MW-46-205-Q323	N	LF		GW	8/23/2023	< 0.10 UJ	37	< 1.0 U			< 20 U	33		1.2				0.3
MW-47-055	MW-47-055-Q323	N	LF		GW	8/21/2023			20										

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, Dissolved by SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020 (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)	Molybdenum, dissolved by Method SW 6020 (µg/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 (µg/L)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
MW-47-115	MW-47-115-Q323	N	LF		GW	8/21/2023			17										
MW-49-135	MW-49-135-Q323	N	LF		GW	8/22/2023			2.9										
MW-49-275	MW-49-275-Q323	N	LF		GW	8/22/2023			< 1.0 U										
MW-49-365	MW-49-365-Q323	N	LF		GW	8/22/2023			< 1.0 U										
MW-51	MW-51-Q323	N	LF		GW	8/10/2023	< 0.10 U	85	0.26	7.1		200	940	27	< 0.50 U		< 0.50 U	230	5.4
MW-51	MW-913-Q323	FD		MW-51-Q323	GW	8/10/2023	< 0.10 U	82	0.31	6.8		330	980	29	< 0.50 U		< 0.50 U	280	4.9
MW-52D	MW-52D-Q323	N	LF		GW	8/22/2023	< 0.10 U	32	< 1.0 U			1200 J	430 J		< 0.50 U				3.1
MW-52M	MW-52M-Q323	N	LF		GW	8/22/2023	< 0.10 U	55	< 1.0 U			980 J	200 J		< 0.50 U				2.2
MW-52S	MW-52S-Q323	N	LF		GW	8/22/2023	< 0.50 U	57	< 1.0 U			27000 J	1400 J		< 0.50 U				36
MW-53D	MW-53D-Q323	N	LF		GW	8/22/2023	< 0.10 U	34	< 1.0 U			220 J	370 J		< 0.50 U				0.56
MW-53M	MW-53M-Q323	N	LF		GW	8/22/2023	< 0.10 U	65	< 1.0 U			490 J	440 J		< 0.50 U				2.5
MW-53S	MW-53S-Q323	N	LF		GW	8/22/2023	< 0.10 U	190	< 0.20 U			4200 J	1000 J		< 0.50 U				2.9
MW-71-035	MW-71-035-Q323	N	LF		GW	8/9/2023	< 0.10 U	38 J	0.67	< 1.0 UJ		54	83 J	22	1.2		1.8	700	2.3
MW-71-035	MW-914-Q323	FD		MW-71-035-Q323	GW	8/9/2023	< 0.10 U	38 J	0.7	< 1.0 UJ		51	91 J	21	1.3		1.8	650	2.4
MW-75-033	MW-75-033-Q323	N	LF		GW	8/14/2023			39										
MW-75-117	MW-75-117-Q323	N	LF		GW	8/14/2023			11										
MW-75-202	MW-75-202-Q323	N	LF		GW	8/14/2023			< 1.0 U										
MW-75-267	MW-75-267-Q323	N	LF		GW	8/14/2023			< 1.0 U										
MW-75-337	MW-75-337-Q323	N	LF		GW	8/14/2023			< 1.0 U										
MW-76-039	MW-76-039-Q323	N	LF		GW	8/7/2023	< 0.10 UJ	130 J	51	48 J		< 100 U	1.7	18	< 0.50 U		0.84	540	1.5
MW-76-156	MW-76-156-Q323	N	LF		GW	8/7/2023	< 0.10 UJ	47 J	21	20 J		< 100 U	22	30	1.5		0.83	670	< 1.0 U
MW-76-181	MW-76-181-Q323	N	LF		GW	8/7/2023	< 0.10 UJ	32 J	120	100 J		< 100 U	20	51	< 0.50 U		< 0.50 U	560	1.3
MW-76-218	MW-76-218-Q323	N	LF		GW	8/7/2023	< 0.10 UJ	45 J	0.25	3.8 J		< 100 U	84	96	0.94		< 0.50 U	830	1.1
MW-76-218	MW-918-Q323	FD		MW-76-218-Q323	GW	8/7/2023	< 0.10 UJ	45 J	< 0.20 U	3.7 J		< 100 U	87	97	0.94		< 0.50 U	830	1.1
MW-77-046	MW-77-046-Q323	N	LF		GW	8/7/2023	1.4 J	78 J	< 0.20 U			< 100 U	720		< 0.50 U			290	1.5
MW-77-102	MW-77-102-Q323	N	LF		GW	8/7/2023	1.1 J	12 J	2.5			140 J	18		< 0.50 U			280	< 1.0 U
MW-77-158	MW-77-158-Q323	N	LF		GW	8/7/2023	0.8 J	40 J	< 0.20 U			< 100 U	310		< 0.50 U			170	1.2
MW-77-187	MW-77-187-Q323	N	LF		GW	8/7/2023	2.4 J	21 J	8.3			< 100 U	25		< 0.50 U			450	< 1.0 U
MW-78-070	MW-78-070-Q323	N	LF		GW	8/9/2023	< 0.10 U	19 J	1400	1200 J		< 20 U	2.2 J	10	1.7		6.7	320	1.4
MW-78-142	MW-78-142-Q323	N	LF		GW	8/9/2023	< 0.10 U	32 J	1900	2000 J		< 20 U	3.7 J	18	3.1		12	600	1.7
MW-79-058	MW-79-058-Q323	N	LF		GW	8/9/2023	< 0.10 U	150 J	190	170 J		< 20 U	15 J	8.3	1		0.89	460	< 1.0 U
MW-79-058	MW-916-Q323	FD		MW-79-058-Q323	GW	8/9/2023	< 0.10 U	150 J	160	130 J		< 20 U	230 J	6.8	1		0.93	450	1.4
MW-79-102	MW-79-102-Q323	N	LF		GW	8/9/2023	< 0.10 U	88 J	99	100 J		< 20 U	30 J	4.6	0.56		0.71	230	1.4
MW-80-057	MW-80-057-Q323	N	LF		GW	8/9/2023	0.92	24 J	< 0.20 U	< 1.0 UJ		< 20 U	230 J	15	< 0.50 U		< 0.50 U	180	1.4
MW-80-082	MW-80-082-Q323	N	LF		GW	8/9/2023	2	48 J	< 0.20 U	< 1.0 UJ		< 20 U	490 J	30	< 0.50 U		< 0.50 U	340	1.4
MW-80-082	MW-917-Q323	FD		MW-80-082-Q323	GW	8/9/2023	2	50 J	< 0.20 U	< 1.0 UJ		< 20 U	470 J	30	< 0.50 U		< 0.50 U	340	2.4
MW-81-043	MW-81-043-Q323	N	LF		GW	8/10/2023	< 0.10 U	47	0.44 J			41	110		< 0.50 U			680	0.79
MW-81-098	MW-81-098-Q323	N	LF		GW	8/10/2023	1.2	120	0.82			100	88		< 0.50 U			300	0.94
MW-82-046	MW-82-046-Q323	N	LF		GW	8/8/2023	25 J	72	< 1.0 U			7400 J	550		< 0.50 U			1600	19
MW-82-112	MW-82-112-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	43	< 0.20 U			38 J	98		1.1			670	1
MW-82-168	MW-82-168-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	40	< 0.20 U			82 J	37		< 0.50 U			240	0.74
MW-82-198	MW-82-198-Q323	N	LF		GW	8/8/2023	2.1 J	43	< 0.20 U			110 J	43		< 0.50 U			480	0.47
MW-86-030	MW-86-030-Q323	N	LF		GW	8/17/2023	5.2	100	< 0.20 U			180 J	130		< 0.10 U				6
MW-86-066	MW-86-066-Q323	N	LF		GW	8/17/2023	< 0.10 U	66	< 0.20 U			< 20 UJ	430		0.74				0.74
MW-86-120	MW-86-120-Q323	N	LF		GW	8/17/2023	< 0.10 U	40	< 1.0 U			75 J	460		< 0.50 U				1.2
MW-86-140	MW-86-140-Q323	N	LF		GW	8/17/2023	< 0.10 U	64	< 1.0 U			60 J	980		< 0.50 U				2.9
MW-90-031	MW-90-031-Q323	N	LF		GW	8/16/2023	< 0.10 U	190 J	< 1.0 U			14000 J	510 J		< 0.50 U	< 0.10 U			
MW-96-045	MW-96-045-Q323	N	LF		GW	8/15/2023			< 0.20 U										
MW-96-217	MW-96-217-Q323	N	LF		GW	8/15/2023			< 1.0 U										
MW-97-042	MW-97-042-Q323	N	LF		GW	8/21/2023			100										
MW-97-202	MW-97-202-Q323	N	LF		GW	8/21/2023			250										
PT5D	PT5D-Q323	N	LF		GW	8/9/2023	< 0.10 U	29 J	240			< 20 U	6.9 J		1.2			940	< 1.0 U
PT5M	PT5M-Q323	N	LF		GW	8/15/2023	0.35 J	66	< 0.20 U			24	1600		< 0.25 U				1.2
PT5S	PT5S-Q323	N	LF		GW	8/15/2023	12	97	< 0.20 U			860	240		< 0.10 U				3.3
TW-02D	TW-02D-Q323	N	LF		GW	8/8/2023	3.1 J	16	4	3.8		36 J	50	54	< 0.50 U		< 0.50 U	320	0.69
TW-02D	MW-915-Q323	FD		TW-02D-Q323	GW	8/8/2023	3 J	16	4	3.8		< 20 UJ	49	52	< 0.50 U		< 0.50 U	320	0.65
TW-02S	TW-02S-Q323	N	LF		GW	8/8/2023	< 0.10 UJ	250	11	10		42 J	< 0.50 U	2.7	< 0.50 U		< 0.50 U	340	0.52
TW-03D	TW-03D-Q323	N	LF		GW	8/8/2023	0.27 J	90	16	15		< 20 UJ	14	31	< 0.50 U		< 0.50 U	300	0.5
TW-04	TW-04-Q323	N	LF		GW	8/21/2023			12										

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which were either analyzed by Enthalpy or Weck 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
mg/L = milligrams per liter
N = Normal
SM = standard method

SW = solid waste
U = analyte not detected

Unvalidated PCM 2023-09 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, Dissolved by SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (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)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM5310B (mg/L)
MW-20-070	MW-20-070-0923	N	LF		GW	9/14/2023	0.74	46	920	< 20 U	< 0.50 U	26	610	0.77
MW-20-100	MW-20-100-0923	N	LF		GW	9/14/2023	< 0.10 U	33	770	< 20 U	< 0.50 U	7.2	590	1.8
MW-20-130	MW-20-130-0923	N	LF		GW	9/14/2023	< 0.10 U	29	1500	< 20 U	0.87	7.3	1100	3.1
MW-21	MW-21-0923	N	LF		GW	9/14/2023	7	44	0.36	130	230	< 0.50 U	1000	5.7
MW-26	MW-26-0923	N	LF		GW	9/14/2023	< 0.10 U	81	< 0.20 U	40	2000	< 0.50 U	270	2.4
MW-30-050	MW-30-050-0923	N	LF		GW	9/12/2023	2.4	26 J	< 0.20 U	59 J	800 J	< 0.25 U	220	1.3
MW-31-060	MW-31-060-0923	N	LF		GW	9/14/2023	< 0.10 U	580	< 1.0 U	260	3000	< 0.50 U	270	0.78
MW-31-135	MW-31-135-0923	N	LF		GW	9/14/2023	< 0.10 U	36	16	< 20 U	12	0.54	470	0.37
MW-31-135	MW-919-Q323	FD		MW-31-135-0923	GW	9/14/2023	< 0.10 U	37	17	< 20 U	12	0.52	470	0.4
MW-34-080	MW-34-080-0923	N	LF		GW	9/14/2023	< 0.10 U	36	< 0.20 U	6600	220	< 0.50 U	600	1.2
MW-36-090	MW-36-090-0923	N	LF		GW	9/14/2023	< 0.10 U	74	< 0.20 U	59	220	< 0.50 U	560	1
MW-36-100	MW-36-100-0923	N	LF		GW	9/14/2023	1.4	79	< 0.20 U	670	770	< 0.50 U	530	1.1
MW-39-040	MW-39-040-0923	N	LF		GW	9/12/2023	13	75 J	< 0.20 U	130 J	80 J	< 0.25 U	150	5.6
MW-39-050	MW-39-050-0923	N	LF		GW	9/12/2023	1.4	44 J	< 0.20 U	< 20 UJ	230 J	< 0.25 U	200	1.3
MW-39-060	MW-39-060-0923	N	LF		GW	9/12/2023	1	71 J	< 0.20 U	38 J	280 J	< 0.25 U	250	1
MW-39-070	MW-39-070-0923	N	LF		GW	9/12/2023	< 0.10 U	65 J	< 0.20 U	100 J	36 J	< 0.25 U	420	0.91
MW-39-080	MW-39-080-0923	N	LF		GW	9/12/2023	< 0.10 U	34 J	12	38 J	6.3 J	< 0.25 U	750	1
MW-39-080	MW-920-0923	FD		MW-39-080-0923	GW	9/12/2023	< 0.10 U	36 J	12	< 20 UJ	6.4 J	< 0.25 U	760	0.82
MW-39-100	MW-39-100-0923	N	LF		GW	9/12/2023	< 0.10 U	27 J	210	< 20 UJ	8 J	< 0.25 U	910	1.3
MW-44-115	MW-44-115-0923	N	LF		GW	9/14/2023	< 0.10 U	26	11	< 20 U	8.9	< 0.50 U	990	0.53
MW-44-125	MW-44-125-0923	N	LF		GW	9/14/2023	< 0.10 U	47	< 1.0 U	170	460	< 0.50 U	940	0.48
MW-45-095A	MW-45-095A-0923	N	LF		GW	9/12/2023	< 0.10 U	28 J	2.4	< 20 UJ	110 J	< 0.25 U	440	0.71
MW-51	MW-51-0923	N	LF		GW	9/13/2023	< 0.10 U	48	12	< 20 UJ	840	< 0.50 U	360	0.72
MW-71-035	MW-71-035-0923	N	LF		GW	9/14/2023	< 0.10 U	36	0.47	< 20 U	9.2	1.4	620	2.2
MW-76-039	MW-76-039-0923	N	LF		GW	9/13/2023	< 0.10 U	140	48	< 20 UJ	< 0.50 U	< 0.50 U	450	0.48
MW-76-039	MW-921-0923	FD		MW-76-039-0923	GW	9/13/2023	< 0.10 U	140	47	< 20 UJ	< 0.50 U	< 0.50 U	450	0.4
MW-76-156	MW-76-156-0923	N	LF		GW	9/14/2023	< 0.10 U	49	18	< 20 U	20	1.5	660	0.32
MW-76-181	MW-76-181-0923	N	LF		GW	9/13/2023	< 0.10 U	33	89	< 20 UJ	12	< 0.50 U	510	0.61
MW-76-218	MW-76-218-0923	N	LF		GW	9/13/2023	< 0.10 U	30	24	< 20 UJ	34	< 0.50 U	680	0.79
MW-77-046	MW-77-046-0923	N	LF		GW	9/11/2023	2.7	110 J	< 0.20 U	190 J	890 J	< 0.50 U	800	3.4
MW-77-102	MW-77-102-0923	N	LF		GW	9/11/2023	< 0.10 U	60 J	< 1.0 U	< 20 UJ	120 J	1.1	660	0.46
MW-77-102	MW-922-0923	FD		MW-77-102-0923	GW	9/11/2023	< 0.10 U	62 J	< 1.0 U	< 20 UJ	120 J	1.1	660	0.4
MW-77-158	MW-77-158-0923	N	LF		GW	9/11/2023	< 0.10 U	40 J	< 1.0 U	< 20 UJ	45 J	< 0.50 U	290	0.5
MW-77-187	MW-77-187-0923	N	LF		GW	9/11/2023	2.5	20 J	8.5	< 20 UJ	17 J	< 0.50 U	410	0.47
MW-78-070	MW-78-070-0923	N	LF		GW	9/13/2023	< 0.10 U	110	3.4	< 20 UJ	490	< 0.50 U	290	1.6
MW-78-142	MW-78-142-0923	N	LF		GW	9/13/2023	< 0.10 U	33	1400	53 J	8	2.2	530	0.53
MW-79-058	MW-79-058-0923	N	LF		GW	9/13/2023	< 0.10 U	130	280	30 J	18	1.6	470	0.62
MW-79-102	MW-79-102-0923	N	LF		GW	9/13/2023	< 0.10 U	50	62	51 J	200	< 0.50 U	390	2.7
MW-80-057	MW-80-057-0923	N	LF		GW	9/13/2023	< 0.10 U	71	240	170 J	7.5	2.8	430	1.2
MW-80-082	MW-80-082-0923	N	LF		GW	9/13/2023	0.39	53	< 1.0 U	< 20 UJ	340	< 0.50 U	330	1.2
MW-81-043	MW-81-043-0923	N	LF		GW	9/13/2023	0.8 J	130	1.6	43 J	57	< 0.50 U	310	0.62
MW-81-043	MW-923-Q323	FD		MW-81-043-0923	GW	9/13/2023	0.6 J	130	1.6	39 J	55	< 0.50 U	310	0.62
MW-81-098	MW-81-098-0923	N	LF		GW	9/13/2023	< 0.10 U	44	18	< 20 UJ	84	0.54	620	0.53
MW-82-046	MW-82-046-0923	N	LF		GW	9/13/2023	21	64	< 1.0 U	6900 J	430	< 0.50 U	1800	20
MW-82-168	MW-82-168-0923	N	LF		GW	9/13/2023	< 0.10 U	37	< 0.20 U	86 J	46	< 0.50 U	250	0.51

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, Dissolved by SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (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)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM5310B (mg/L)
MW-82-198	MW-82-198-0923	N	LF		GW	9/13/2023	< 0.10 U	42	< 1.0 U	< 20 UJ	54	< 0.50 U	320	0.49
PT5D	PT5D-0923	N	LF		GW	9/11/2023	< 0.10 U	27 J	350	< 20 UJ	55 J	0.6	840	0.37
TW-02D	TW-02D-0923	N	LF		GW	9/14/2023	3.9	12	3.4	< 20 U	49	< 0.50 U	280	0.53
TW-02S	TW-02S-0923	N	LF		GW	9/14/2023	< 0.10 U	160	19	< 20 U	< 0.50 U	0.6	310	0.4
TW-03D	TW-03D-0923	N	LF		GW	9/14/2023	< 0.10 U	140	41	< 20 U	< 0.50 U	0.56	280	0.41

Notes:
All samples were sent to Asset Laboratories for analyses with the exception of Total Organic Carbon by SM 5310B which was analyzed by Weck 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

Unvalidated As-Needed 2023-10

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)	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)	Sulfate by Method EPA 300.0 (mg/L)	Total organic carbon by Method SM 5310 B (mg/L)
IRZ-23-143	IRZ-23-143-101223	N	EP		GW	10/12/2023			520	20	< 20 U	< 0.50 U	3	460	
MW-20-070	MW-20-070-1023	N			WATER	10/11/2023	0.81	42	750		< 20 U	< 0.50 U	19	450	0.84
MW-20-100	MW-20-100-1023	N			WATER	10/11/2023	< 0.10 U	40	1000		< 20 U	< 0.50 U	8.5	560	1.6
MW-20-130	MW-20-130-1023	N			WATER	10/11/2023	< 0.10 U	31	1600		< 20 U	< 0.50 U	6.6	1100	3.6
MW-21	MW-21-1023	N			WATER	10/11/2023	8.5	58	< 0.20 U		360	380	< 0.50 U	900	6.5
MW-26	MW-26-1023	N			WATER	10/11/2023	< 0.10 U	75	< 0.20 U		32	840	< 0.50 U	340	0.77
MW-30-050	MW-30-050-1023	N			WATER	10/11/2023	2.2	32	< 0.20 U		61	580	< 0.25 U	220	1.4
MW-31-060	MW-31-060-1023	N	LF		GW	10/12/2023	< 0.10 U	420	< 0.20 U		230	1800	< 0.50 U	300	2.1
MW-31-135	MW-31-135-1023	N	LF		GW	10/12/2023	< 0.10 U	37	18		320	26	< 0.50 U	470	0.53
MW-31-135	MW-906-Q423	FD		MW-31-135-1023	GW	10/12/2023	< 0.10 U	36	16		190	23	< 0.50 U	490	0.54
MW-34-080	MW-34-080-1023	N			WATER	10/11/2023	< 0.10 U	39	< 0.20 U		240	180	< 0.50 U	730	1.2
MW-36-090	MW-36-090-1023	N			WATER	10/11/2023	< 0.10 U	76	< 0.20 U		60	280	< 0.50 U	650	0.74
MW-36-100	MW-36-100-1023	N			WATER	10/11/2023	0.41	78	0.76		530	630	< 0.50 U	620	0.81
MW-39-040	MW-39-040-1023	N	LF		GW	10/10/2023	12	88	< 0.20 U		310	110	< 0.25 U	160	4.8
MW-39-050	MW-39-050-1023	N	LF		GW	10/10/2023	1.6	49	< 0.20 U		< 20 U	250	< 0.25 U	190	1.2
MW-39-060	MW-39-060-1023	N	LF		GW	10/10/2023	2	28	< 0.20 U		120	140	< 0.25 U	200	1.1
MW-39-070	MW-39-070-1023	N	LF		GW	10/10/2023	< 0.10 U	100	< 0.20 U		< 20 U	37	< 0.50 U	590	0.87
MW-39-080	MW-39-080-1023	N	LF		GW	10/10/2023	< 0.10 U	37	42		< 20 U	2.4	< 0.50 U	820	0.88
MW-39-100	MW-39-100-1023	N	LF		GW	10/10/2023	< 0.10 U	34	120		96	6.9	< 0.50 U	890	1.5
MW-44-115	MW-44-115-1023	N			WATER	10/11/2023	< 0.10 U	27	5.7		38	50	0.64	960	0.66
MW-44-125	MW-44-125-1023	N			WATER	10/11/2023	< 0.10 U	48	< 1.0 U		34	460	< 0.50 U	930	0.53
MW-45-095a	MW-45-095A-1023	N			WATER	10/11/2023	< 0.10 U	28	1.3		< 20 U	48	< 0.50 U	510	0.77
MW-51	MW-51-1023	N			WATER	10/11/2023	0.58	91	0.58		250	710	< 0.50 U	270	6
MW-71-035	MW-71-035-1023	N	LF		GW	10/10/2023	< 0.10 U	38	0.56		31	24	0.9	680	1.8
MW-76-039	MW-76-039-1023	N	LF		GW	10/9/2023	< 0.10 U	150	12		34	< 0.50 U	< 0.50 U	420	0.5
MW-76-156	MW-76-156-1023	N	LF		GW	10/9/2023	< 0.10 U	32	2.2		34	46	< 0.50 U	400	0.59
MW-76-181	MW-76-181-1023	N	LF		GW	10/9/2023	< 0.10 U	34	66		< 20 U	35	< 0.50 U	480	0.73
MW-76-181	MW-907-Q423	FD		MW-76-181-1023	GW	10/9/2023	< 0.10 U	34	67		25	34	< 0.50 U	470	0.66
MW-76-218	MW-76-218-1023	N	LF		GW	10/9/2023	1.1	33	< 1.0 U		41	43	< 0.50 U	450	0.57
MW-77-046	MW-77-046-1023	N			WATER	10/11/2023	1.3	89	< 0.20 U		80	750	< 0.50 U	300	0.86
MW-77-102	MW-77-102-1023	N			WATER	10/11/2023	< 0.10 U	53	1.1		21	42	0.72	570	0.71
MW-77-158	MW-77-158-1023	N			WATER	10/11/2023	< 0.10 U	50	< 1.0 U		62	55	< 0.50 U	370	0.56
MW-77-187	MW-77-187-1023	N			WATER	10/11/2023	4.5	27	0.29		< 20 U	50	< 0.50 U	330	0.49
MW-78-070	MW-78-070-1023	N	LF		GW	10/13/2023	< 0.10 U	140	< 1.0 U		350	680	< 0.50 U	300	1.8
MW-78-142	MW-78-142-1023	N	LF		GW	10/13/2023	< 0.10 U	31	1300		45	42	2	500	0.53
MW-79-058	MW-79-058-1023	N	LF		GW	10/12/2023	< 0.10 U	140	140		< 20 U	25	0.75	410	0.67
MW-79-058	MW-908-Q423	FD		MW-79-058-1023	GW	10/12/2023	< 0.10 U	140	140		< 20 U	24	0.77	410	0.75
MW-79-102	MW-79-102-1023	N	LF		GW	10/12/2023	< 0.10 U	42	240		34	58	< 0.50 U	410	0.85
MW-80-057	MW-80-057-1023	N	LF		GW	10/12/2023	< 0.10 U	70	5		68	9.1	< 0.50 U	350	0.58
MW-80-082	MW-80-082-1023	N	LF		GW	10/12/2023	< 0.10 U	47	1.7		< 20 U	520	< 0.50 U	360	0.69
MW-81-043	MW-81-043-1023	N	LF		GW	10/10/2023	< 0.10 U	120	8.6		140	36	< 0.50 U	290	0.48
MW-81-098	MW-81-098-1023	N	LF		GW	10/10/2023	< 0.10 U	49	21		< 20 U	89	0.55	610	0.53
MW-82-046	MW-82-046-1023	N	LF		GW	10/10/2023	26	68	< 1.0 U		7100	460	< 0.50 U	1600	22
MW-82-168	MW-82-168-1023	N	LF		GW	10/10/2023	< 0.10 U	39	< 0.20 U		59	52	< 0.50 U	280	0.68
MW-82-198	MW-82-198-1023	N	LF		GW	10/10/2023	< 0.10 U	47	< 0.20 U		48	51	< 0.50 U	420	0.48
MW-82-198	MW-909-Q423	FD		MW-82-198-1023	GW	10/10/2023	< 0.10 U	45	< 0.20 U		25	50	< 0.50 U	420	0.38
PT5D	PT5D-1023	N			WATER	10/11/2023	< 0.10 U	33	67		< 20 U	93	1.1	960	0.39
TW-02D	TW-02D-1023	N	LF		GW	10/10/2023	3.5	13	3.2		< 20 U	40	< 0.50 U	270	0.45
TW-02S	TW-02S-1023	N	LF		GW	10/10/2023	< 0.10 U	170	17		< 20 U	< 0.50 U	< 0.50 U	270	0.44
TW-03D	TW-03D-1023	N	LF		GW	10/10/2023	< 0.10 U	140	38		< 20 U	< 0.50 U	< 0.50 U	260	0.5

Notes:

All samples were sent to Asset Laboratories for analyses wiith the exception of Total Organic Carbon by SM 5310B which was analyzed by Weck 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

Phase 2 2023-08 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/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 (µg/L)
ER-03	ER-03-0823	N	3V	GW	8/9/2023	22				< 5.0 U	330	5900	< 1.0 U
ER-04	ER-04-0823	N	3V	GW	8/9/2023	25				< 5.0 U	320	5900	< 1.0 U
FW-02B-127	FW-02B-127-0823	N	LF	GW	8/10/2023	93	< 0.10 U	110	0.38	< 2.5 U	120	460	5.2
MW-88-107	MW-88-107-0823	N	LF	GW	8/10/2023	140	1.1	77	0.58	< 2.5 U	130	800	140

Notes:
All samples were sent to Asset Laboratories for analyses.
< = analyte not detected at the reporting limit shown

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

Chromium, total dissolved by Method SW 6020 (µg/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 (µg/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	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 (µg/L)
< 1.0 UJ	5.9				110	3.3	1300 J	< 0.50 U	51 J	4400	720	12000	
< 1.0 UJ	5.5				340	4.2	730 J	< 0.50 U	51 J	3900	720	12000	
7	0.73	290	110	400	31	27 J	59	7	14 J	270 J	180	1200	17
140	1	330	70	400	24	17 J	1.6	13	17 J	560 J	260	1900	< 10 U

Phase 2 2023-09 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/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 (µg/L)
FW-02B-127	FW-02B-127-0923	N	LF	GW	9/12/2023	100	< 0.10 U	120 J	0.39 J	< 5.0 U	120 J	430	13
MW-88-107	MW-88-107-0923	N	LF	GW	9/12/2023	180	4.4	25 J	0.31 J	< 5.0 U	27 J	84	32

Notes:

All samples were sent to Asset Laboratories for analyses.
< = analyte not detected at the reporting limit shown

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

Chromium, total dissolved by Method SW 6020 (µg/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 (µg/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	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 (µg/L)
16	0.61	310	120	420	26	29 J	17 J	9.6 J	11 J	180	170	1200	< 10 UJ
34	0.91	67	15	82	23	3.7 J	2.6 J	13 J	5.4 J	140	84	520	< 10 UJ

Unvalidated Phase 2 2023-10 Water Sampling

Location ID	Sample ID	Sample Type	Sample Method	Matrix	Sample Date	Alkalinity, total as CaCO3 by Method SM 2320 B (mg/L)	Arsenic, dissolved by Method SW 6020 (µg/L)	Barium, dissolved by Method SW 6020 (µg/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 (µg/L)
FW-02B-127	FW-02B-127-1023	N	3V	GW	10/12/2023	78	< 0.10 U	100	0.35	< 2.5 U	130	390	0.42
MW-88-107	MW-88-107-1023	N	LF	GW	10/12/2023	160	5	29	0.28	< 2.5 U	27	94	35

Notes:
All samples were sent to Asset Laboratories for analyses.
< = analyte not detected at the reporting limit shown

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

Chromium, total dissolved by Method SW 6020 (µg/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 (µg/L)	Magnesium, dissolved by Method SW 6010B (mg/L)	Manganese, dissolved by Method SW 6020 (µg/L)	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 (µg/L)
1.3	0.68	330	110	440	< 20 U	28	22	7.7	12	170	170	1200	< 10 U
33	1	66	14	80	58	3.4	4.7	12	5.2	150	86	560	< 10 U

RCM 2023-07 Sampling

Location ID	Sample ID	Sample Type	Sample Method	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-67-185-0723	N	LF	GW	7/21/2023	< 80 U	84	960	21	28	150
MW-68-180	MW-68-180-0723	N	LF	GW	7/21/2023	2300	2200		40		

Notes:

All samples were sent to Asset Laboratories for analyses.

< = analyte not detected at the reporting limit shown

Acronyms and Abbreviations:

-- = not analyzed

µg/L = micrograms per liter

EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SW = solid waste

RCM 2023-08 Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	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-38D	MW-38D-Q323	N	LF		GW	8/18/2023	< 4.0 U	< 5.0 U		33	< 1.0 U	< 2.5 U
MW-38S	MW-38S-Q323	N	LF		GW	8/18/2023	28	30		9.5	6	4.8
MW-65-160	MW-65-160-Q323	N	LF		GW	8/18/2023	280	300		25	13	10
MW-65-225	MW-65-225-Q323	N	LF		GW	8/18/2023	380	380		22	8.1	5.5
MW-67-185	MW-67-185-0823	N	LF		GW	8/18/2023	< 80 U	59 J	780	23	27	130
MW-67-185	MW-924-Q323	FD		MW-67-185-0823	GW	8/18/2023	< 80 U	73 J	750	24	27	140
MW-68-180	MW-68-180-Q323	N	LF		GW	8/18/2023	13000	13000		40	14	8.6
MW-69-195	MW-69-195-Q323	N	LF		GW	8/17/2023	240	250		52	17	15

Notes:

All samples were sent to Asset Laboratories for analyses.

< = analyte not detected at the reporting limit shown

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

RCM 2023-08 SURFACEWAT Sampling

Location ID	Sample ID	Sample Type	Sample Method	Parent Sample Code	Matrix	Sample Date	Arsenic, dissolved by Method SW 6020 (µg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Manganese, dissolved by Method SW 6020 (µg/L)
C-BNS	C-BNS-Q323	N	R		Surface Water	8/16/2023	2.6	< 0.20 U	2.8 J
C-CON-D	C-CON-D-Q323	N	R		Surface Water	8/17/2023	2.4	< 0.20 U	0.81 J
C-CON-S	C-CON-S-Q323	N	R		Surface Water	8/17/2023	2.4	< 0.20 U	< 0.50 UJ
C-I-3-D	C-I-3-D-Q323	N	R		Surface Water	8/16/2023	2.5	< 0.20 U	2.2 J
C-I-3-S	C-I-3-S-Q323	N	R		Surface Water	8/16/2023	2.4	< 0.20 U	2 J
C-MAR-D	C-MAR-D-Q323	N	R		Surface Water	8/17/2023	2.4	< 0.20 U	17 J
C-MAR-S	C-MAR-S-Q323	N	R		Surface Water	8/17/2023	2.6	< 0.20 U	10 J
C-NR1-D	C-NR1-D-Q323	N	R		Surface Water	8/17/2023	2.4	< 0.20 U	< 0.50 UJ
C-NR1-S	C-NR1-S-Q323	N	R		Surface Water	8/17/2023	2.5	< 0.20 U	0.61 J
C-NR3-D	C-NR3-D-Q323	N	R		Surface Water	8/17/2023	2.5	< 0.20 U	< 0.50 UJ
C-NR3-D	MW-925-Q323	FD		C-NR3-D-Q323	Surface Water	8/17/2023	2.3	< 0.20 U	< 0.50 UJ
C-NR3-S	C-NR3-S-Q323	N	R		Surface Water	8/17/2023	2.4	< 0.20 U	0.87 J
C-NR4-D	C-NR4-D-Q323	N	R		Surface Water	8/17/2023	2.4	< 0.20 U	< 0.50 UJ
C-NR4-S	C-NR4-S-Q323	N	R		Surface Water	8/17/2023	2.3	< 0.20 U	0.75 J
C-R22A-D	C-R22A-D-Q323	N	R		Surface Water	8/16/2023	2.4	< 0.20 U	2.5 J
C-R22A-S	C-R22A-S-Q323	N	R		Surface Water	8/16/2023	2.6	< 0.20 U	2.9 J
C-R27-D	C-R27-D-Q323	N	R		Surface Water	8/16/2023	2.5	< 0.20 U	2.7 J
C-R27-S	C-R27-S-Q323	N	R		Surface Water	8/16/2023	2.4	< 0.20 U	2.2 J
C-R27-S	MW-926-Q323	FD		C-R27-S-Q323	Surface Water	8/16/2023	2.6	< 0.20 U	2.3 J
C-TAZ-D	C-TAZ-D-Q323	N	R		Surface Water	8/16/2023	2.5	< 0.20 U	2.3 J
C-TAZ-S	C-TAZ-S-Q323	N	R		Surface Water	8/16/2023	2.8	< 0.20 U	2 J
R-19	R-19-Q323	N	R		Surface Water	8/17/2023	2.5	< 0.20 U	0.91 J
R-28	R-28-Q323	N	R		Surface Water	8/16/2023	2.3	< 0.20 U	2.7 J
R63	R63-Q323	N	R		Surface Water	8/16/2023	2.2	< 0.20 U	6.3 J
R63	MW-927-Q323	FD		R63-Q323	Surface Water	8/16/2023	2.3	< 0.20 U	6.7 J
RRB	RRB-Q323	N	R		Surface Water	8/17/2023	2.5	< 0.20 U	1.3 J
SW1	SW1-Q323	N	R		Surface Water	8/16/2023	2.5	< 0.20 U	4.4 J
SW2	SW2-Q323	N	R		Surface Water	8/16/2023	2.3	< 0.20 U	5.7 J

Notes:

All samples were sent to Asset Laboratories for analyses.

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Acronyms and Abbreviations:

µg/L = micrograms per liter

EPA = Environmental Protection Agency

FD = field duplicate

N = Normal

R = River

SW = solid waste

RCM 2023-09 Sampling

Location ID	Sample ID	Sample Type	Sample Method	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-67-185-0923	N	LF	GW	9/11/2023	< 80 U	73	67	22	29	120
MW-68-180	MW-68-180-0923	N	LF	GW	9/11/2023	4700	5100		42		

Notes:

All samples were sent to Asset Laboratories for analyses.

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Acronyms and Abbreviations:

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EPA = Environmental Protection Agency

GW = groundwater

LF = low flow

mg/L = milligrams per liter

N = Normal

SW = solid waste

Unvalidated RCM 2023-10 Sampling

Location ID	Sample ID	Sample Type	Sample Method	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-67-185-1023	N	LF	GW	10/13/2023	150	63	760	26	28	150
MW-68-180	MW-68-180-1023	N	LF	GW	10/13/2023	41000	38000		52		

Notes:

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N = Normal

SW = solid waste