LMS/GUP/S35617

2021 Verification Monitoring Report for the Gunnison, Colorado, Processing Site

September 2021

U.S. DEPARTMENT OF ENERGY | Legacy Management

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Abbreviations

CDPHE	Colorado Department of Public Health and Environment
CFR	*Code of Federal Regulations*
COPC	contaminant of potential concern
DOE	U.S. Department of Energy
DWEL	drinking water equivalent level
EPA	U.S. Environmental Protection Agency
GCAP	Groundwater Compliance Action Plan
IC	institutional control
LM	Office of Legacy Management
MCL	maximum concentration limit
mg/L	milligrams per liter
VMR	Verification Monitoring Report

1.0 Introduction

This Verification Monitoring Report (VMR) documents the results of the 2021 groundwater and surface water sampling event for the Gunnison, Colorado, Processing Site (Gunnison site). In 2015, the U.S. Nuclear Regulatory Commission (NRC) accepted the Groundwater Compliance Action Plan (GCAP), which documented the selection of the natural flushing compliance strategy with continued groundwater and surface water monitoring and institutional controls (ICs). Previous VMRs and the GCAP for the Gunnison site are available on the U.S. Department of Energy (DOE) Office of Legacy Management (LM) website at https://www.energy.gov/lm/gunnison-colorado-disposal-and-processing-sites. Sampling data is available on the Geospatial Environmental Mapping System (GEMS) website at https://gems.lm.doe.gov/#site=GUP.

2.0 Background

The Gunnison site is in Gunnison County, Colorado, approximately 0.5 mile southwest of the City of Gunnison. The site is primarily defined by the IC boundary encompassing an area of approximately 1030 acres, which includes the former mill site and the area downgradient of the former mill site (Figure 1). Uranium and manganese are the two contaminants of potential concern (COPCs) in the groundwater and surface water at the Gunnison site.

- Uranium: The maximum concentration limit (MCL) for uranium in groundwater and surface water is 0.044 milligrams per liter (mg/L). Standards for uranium in groundwater and surface water at Uranium Mill Tailings Radiation Control Act sites were established by the U.S. Environmental Protection Agency (EPA) in Title 40 *Code of Federal Regulations* Section 192 (40 CFR 192).
- Manganese: While manganese has no established MCL, it is monitored and compared to the EPA drinking water equivalent level (DWEL) of 1.6 mg/L found in the *2018 Edition of the Drinking Water Standards and Health Advisories Tables* (EPA 2018). The DWEL is a lifetime-exposure concentration protective of adverse, noncancer health effects which assumes exposure to a contaminant is from drinking water.

The April 2021 groundwater and surface water sampling event included sampling of 28 DOE monitoring wells, six surface water locations, and five domestic wells (Table 1, Figure 1, Figure 2) Samples collected were analyzed for uranium and manganese. Additionally, field measurements of oxidation–reduction potential, pH, specific conductance, temperature, and turbidity were conducted at each location. Domestic well 0479 was not sampled because the homeowner has not granted permission to collect a sample.

Table 1. Groundwater and Surface Water Monitoring Locations at the Gunnison Site

	Screened Interval (feet)	Rationale (Uranium)
Groundwater Wells[a]		
0002	10–15	Upgradient—background
0102	42–47	Upgradient—background
0005	10–15	Origin of plume
0105	42–47	Origin of plume
0006	10–15	Origin of plume
0106	34–39	Origin of plume
0012R	6–16	Origin of plume
0112	40–45	Monitor plume migration
0013	11–16	Monitor plume migration
0113	41–46	Monitor plume migration
0125	18–23	Monitor plume migration
0126	54–59	Monitor plume migration
0127	94–99	Monitor plume migration
0135	18–23	Monitor plume migration
0136	53–58	Monitor plume migration
0062	48–58	Monitor plume migration
0063	88–98	Monitor plume migration
0064	87–97	Monitor plume migration
0065	50–60	Monitor plume migration
0066	40–50	Monitor plume migration
0181	18–23	Monitor plume migration
0183	93–98	Monitor plume migration
0186	53–58	Monitor plume migration
0187	93–98	Monitor plume migration
0160	51–56	Adjacent to IC boundary
0161	93–98	Adjacent to IC boundary
0188	53–58	Monitor plume migration
0189	93–98	Monitor plume migration
Surface Water Locations[a]		
0248	NA	Downstream of gravel-pit pond
0250	NA	Potential aquifer discharge
0251	NA	Upstream of IC boundary—background
0777	NA	Potential aquifer discharge
0780	NA	Gravel pit—aquifer discharge to pond
0795	NA	Potential aquifer discharge
Domestic Wells[a]		
0476	NA	Verify low COPC concentrations
0477	NA	Verify low COPC concentrations
0478	NA	Verify low COPC concentrations
0667	NA	Verify low COPC concentrations
0683	NA	Verify low COPC concentrations

Note:
[a] Monitoring wells listed in the same table cell are co-located.

Color Key:
Upgradient of the former mill site
Onsite and just off the former mill site
Downgradient of the former mill site (pasture)
Downgradient of the former mill site (golf course and residential areas)
Downgradient of the former mill site (west of Gunnison River)

Abbreviation:
NA = not applicable

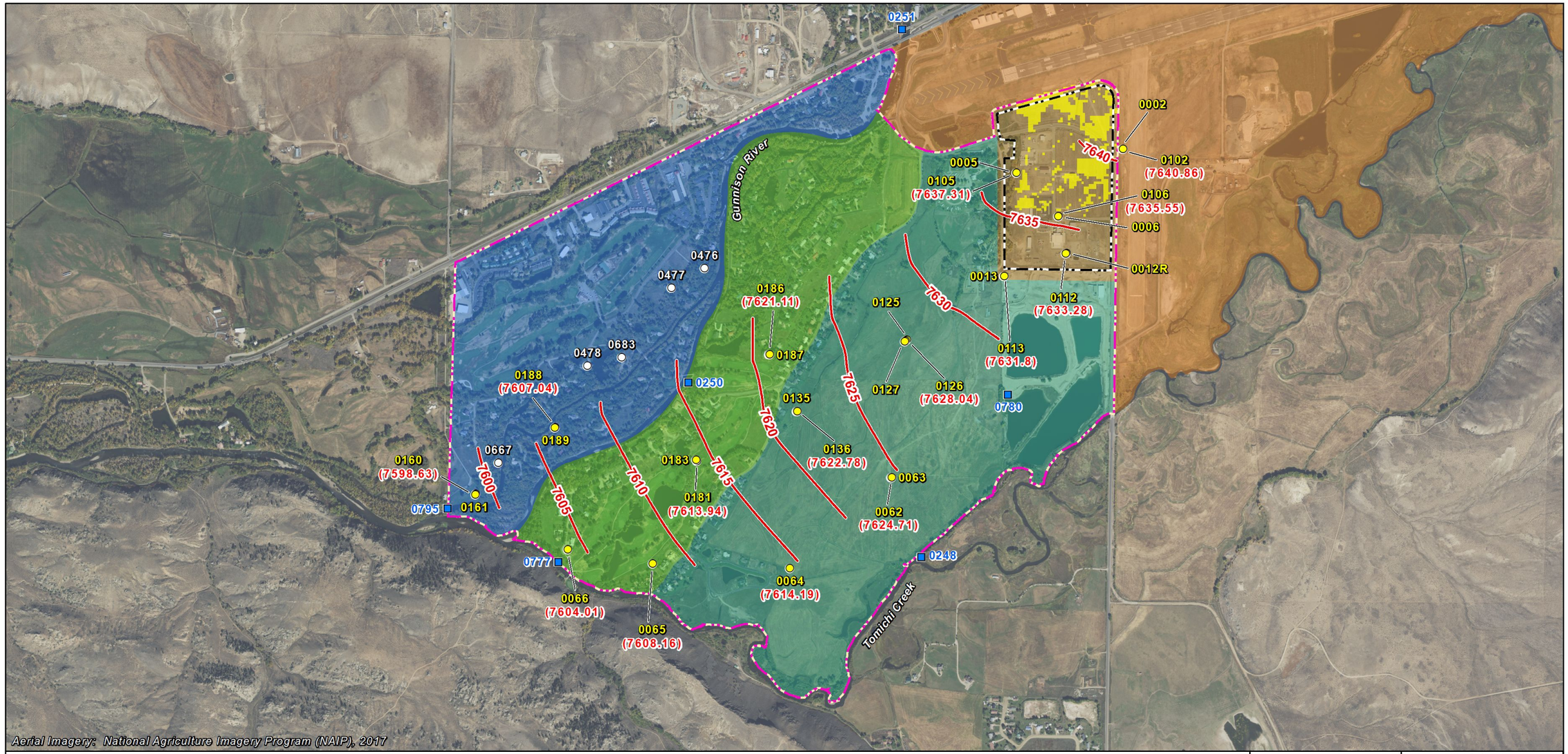

Figure 1. Groundwater and Surface Water Monitoring Locations, Monitoring Areas, and Groundwater Elevations at the Gunnison Site, April 2021

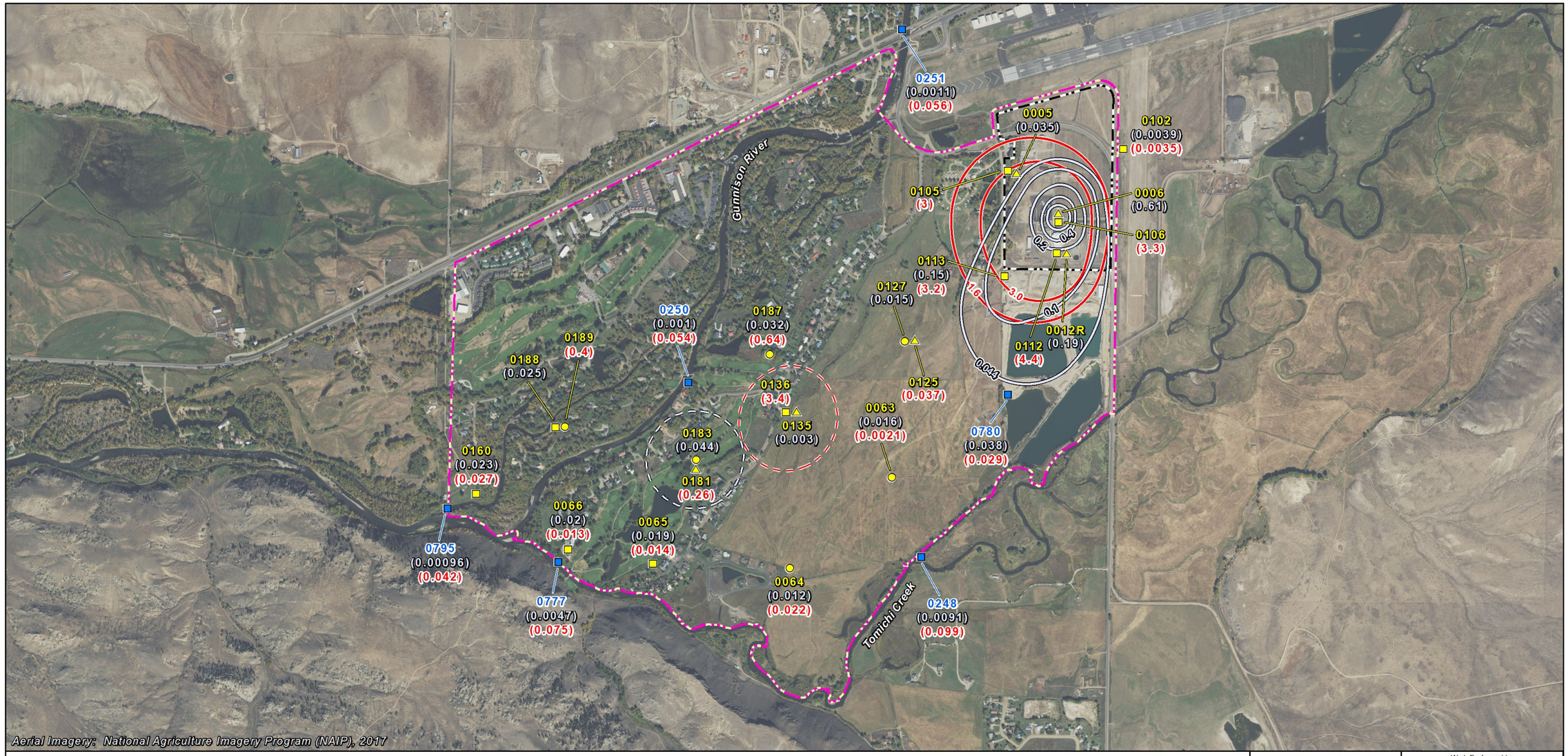

Figure 2. Uranium and Manganese Distribution at the Gunnison Site, April 2021

3.0 Data Analysis

Analytical data collected in 2021 are provided in Attachments 1 through 4 and are summarized below in Sections 3.1 through 3.3. Data analysis includes review of water level data (Attachment 5) and assessment of uranium concentration trends at the Gunnison site (Attachment 6).

3.1 DOE Monitoring Wells

As shown in Attachment 1 (Plots 1 through 8) and Attachment 2, uranium concentrations reported in 2021 are consistent with historical results with no unexpected findings. Uranium concentrations exceed the MCL of 0.044 mg/L for groundwater in five wells on or adjacent to the former mill site (wells 0006, 0106, 0012, 0112, 0113). In the monitoring wells furthest downgradient and adjacent to the IC boundary (wells 0160 and 0161), concentrations of uranium are below the MCL but above the background concentration of 0.0039 mg/L.

3.2 Surface Water

Concentrations of uranium in surface water in the Gunnison River during 2021 ranged from 0.00096 to 0.038 mg/L and were consistent with historical results (Attachment 1, Plot 9; and Attachment 3). Downstream uranium concentrations (locations 0250 and 0795) were within 0.00012 mg/L of the upstream concentrations (location 0251), indicating that discharge of alluvial groundwater has no impact on river water quality. The concentration of uranium (0.038 mg/L) in surface water in the gravel-pit pond (location 0780) continued to be one order of magnitude above background groundwater (0.0039 to 0.0011 mg/L) and two orders of magnitude above Gunnison River surface water. Uranium concentrations in the gravel-pit pond continue to exceed background concentrations (both surface and groundwater) indicating the gravel-pit pond continues to receive discharge of alluvial groundwater (DOE 2010).

Surface water sampling location 0248, approximately 1500 ft downstream of the gravel-pit pond discharge point, is on the abandoned channel of Tomichi Creek. In 2021, the concentration of uranium in the sample collected from location 0248 (0.0091 mg/L) was elevated compared to the background concentration of 0.0039 mg/L because it receives some water from the gravel-pit pond (0.038 mg/L at location 0780). The concentration of uranium in the sample collected farther downstream on Tomichi Creek at location 0777 was lower (0.0047 mg/L) indicating Tomichi Creek is not affected by potential aquifer discharge (DOE 2010). Concentrations of manganese in samples collected from surface water locations were below the DWEL of 1.6 mg/L (Attachment 1, Plot 10; and Attachment 3).

3.3 Domestic Wells

As shown in Attachment 1 (Plot 11) and Attachment 4, results from the 2021 sampling event indicate that uranium concentrations in sampled domestic wells were below the MCL. Concentrations of manganese in sampled domestic wells were below the DWEL of 1.6 mg/L except for well 0478 which was at 1.9 mg/L (Attachment 1, Plot 12). In notification letters dated August 2021, DOE sent sample results to each domestic well owner with a courtesy copy to the Colorado Department of Public Health and Environment (CDPHE). In 2021, Gunnison County connected domestic well owners to the Dos Rios municipal water system with the exception of domestic well 0667. Connected homeowners no longer use domestic wells for drinking water.

4.0 Conclusions

Uranium and manganese concentrations reported in 2021 are consistent with historical results with no unexpected findings. The uranium concentrations in the Gunnison River and Tomichi Creek samples indicate no measurable impact to river or creek water quality from groundwater associated with the former processing site.

The uranium concentration of 0.038 mg/L at the gravel-pit pond (location 0780) continues to be below the groundwater MCL, however the concentration is above background, indicating the gravel-pit pond continues to be an expression of contaminated alluvial groundwater (DOE 2010). Concentrations of manganese in samples collected from surface water locations were below the DWEL of 1.6 mg/L.

Uranium concentrations in the domestic wells sampled at the Gunnison site were below the MCL, and manganese concentrations in these wells were below the DWEL except for well 0478 which was at 1.9 mg/L. Domestic well owners are now connected to the Dos Rios municipal water system and domestic wells are no longer used for drinking water with the exception of domestic well 0667.

5.0 References

40 CFR 192. U.S. Environmental Protection Agency, "Health and Environmental Protection Standards for Uranium and Thorium Mill Tailings," *Code of Federal Regulations*.

DOE (U.S. Department of Energy), 2010. *Final Groundwater Compliance Action Plan for the Gunnison, Colorado, Processing Site*, LMS/GUP/S06004, Office of Legacy Management, April.

EPA (U.S. Environmental Protection Agency), 2018. *2018 Edition of the Drinking Water Standards and Health Advisories*, EPA 822-F-18-001, Office of Water, March.

Attachment 1

Time vs. Concentration Plots

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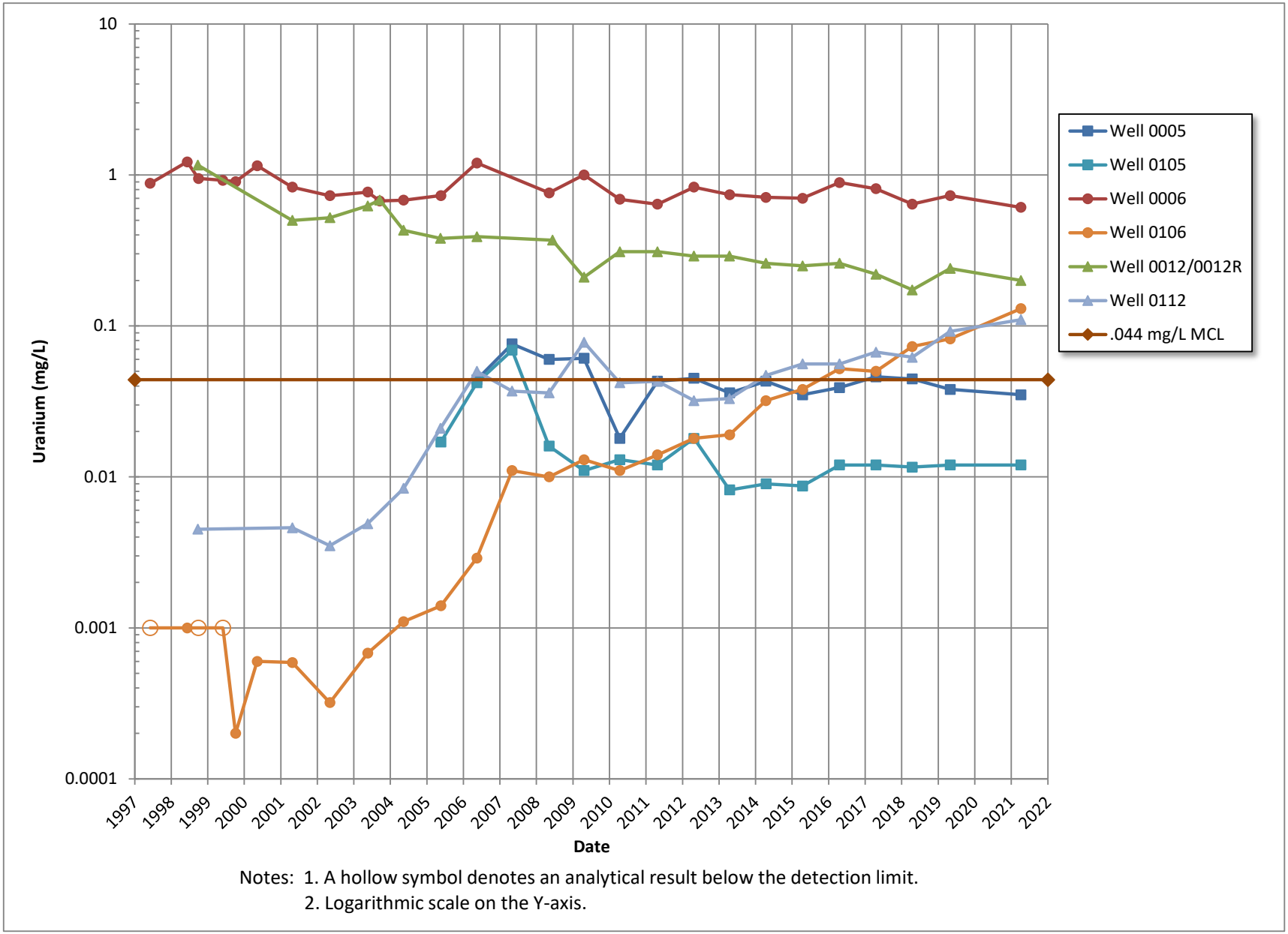
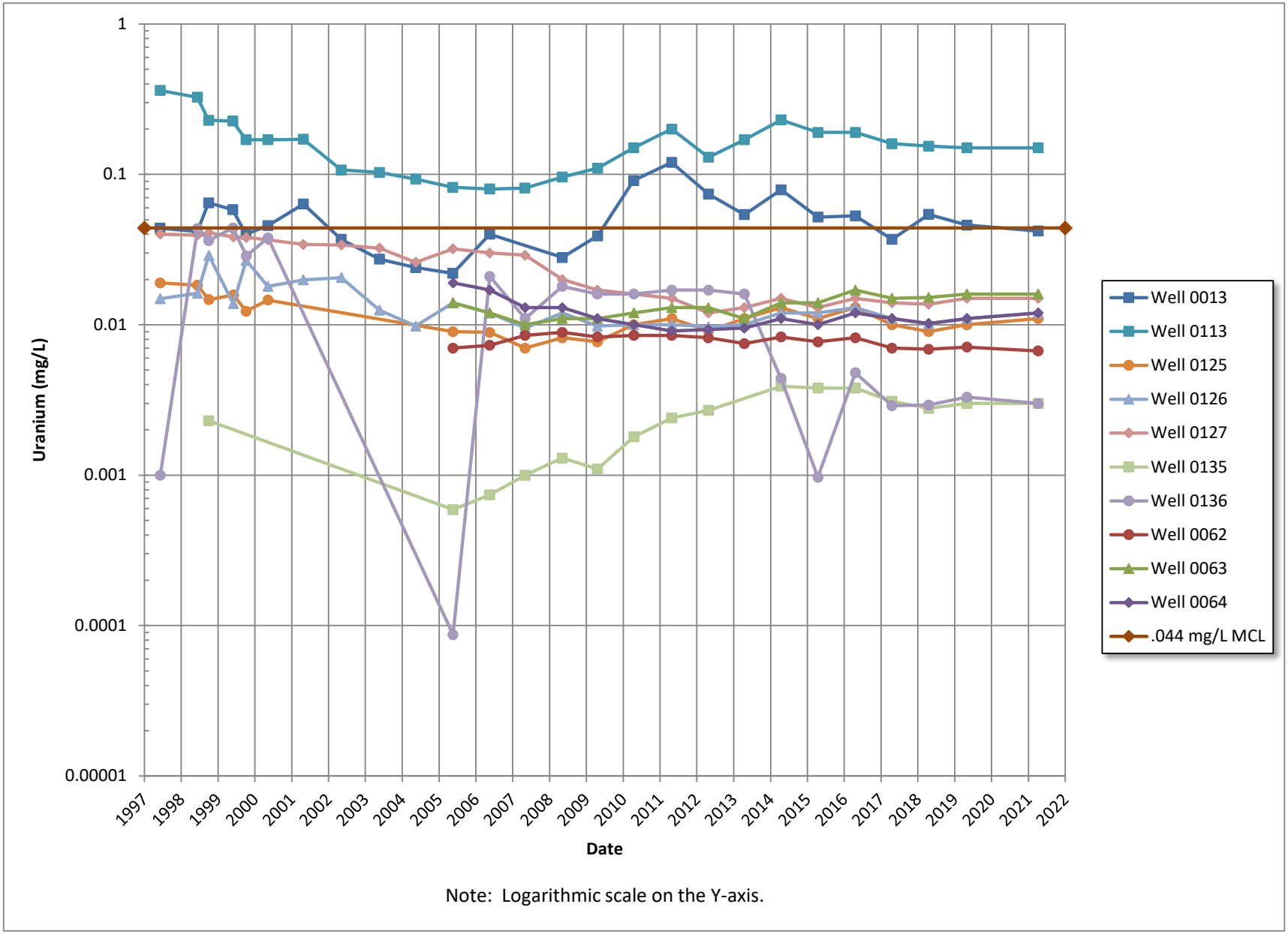
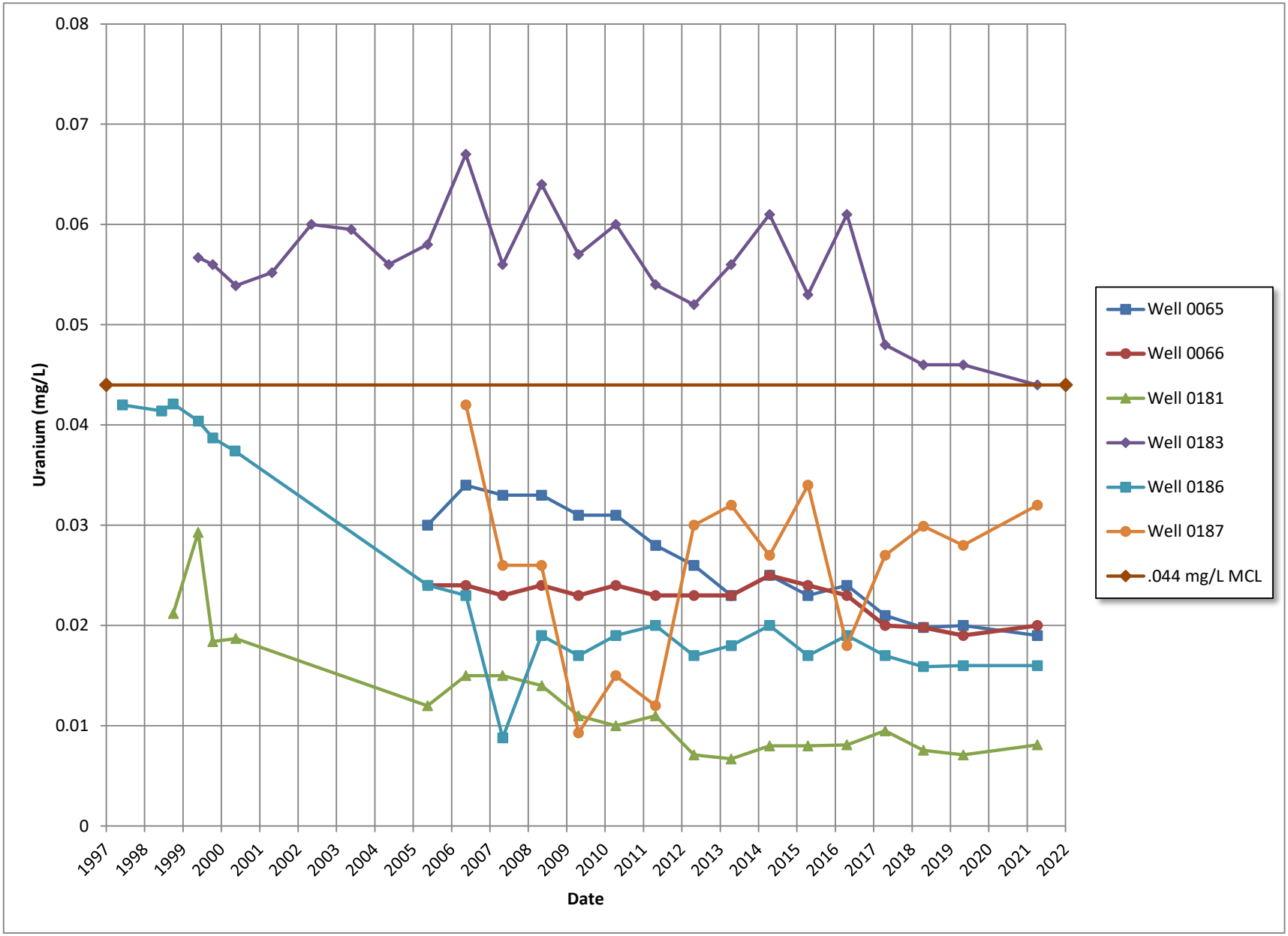


Notes: 1. A hollow symbol denotes an analytical result below the detection limit.
2. Logarithmic scale on the Y-axis.

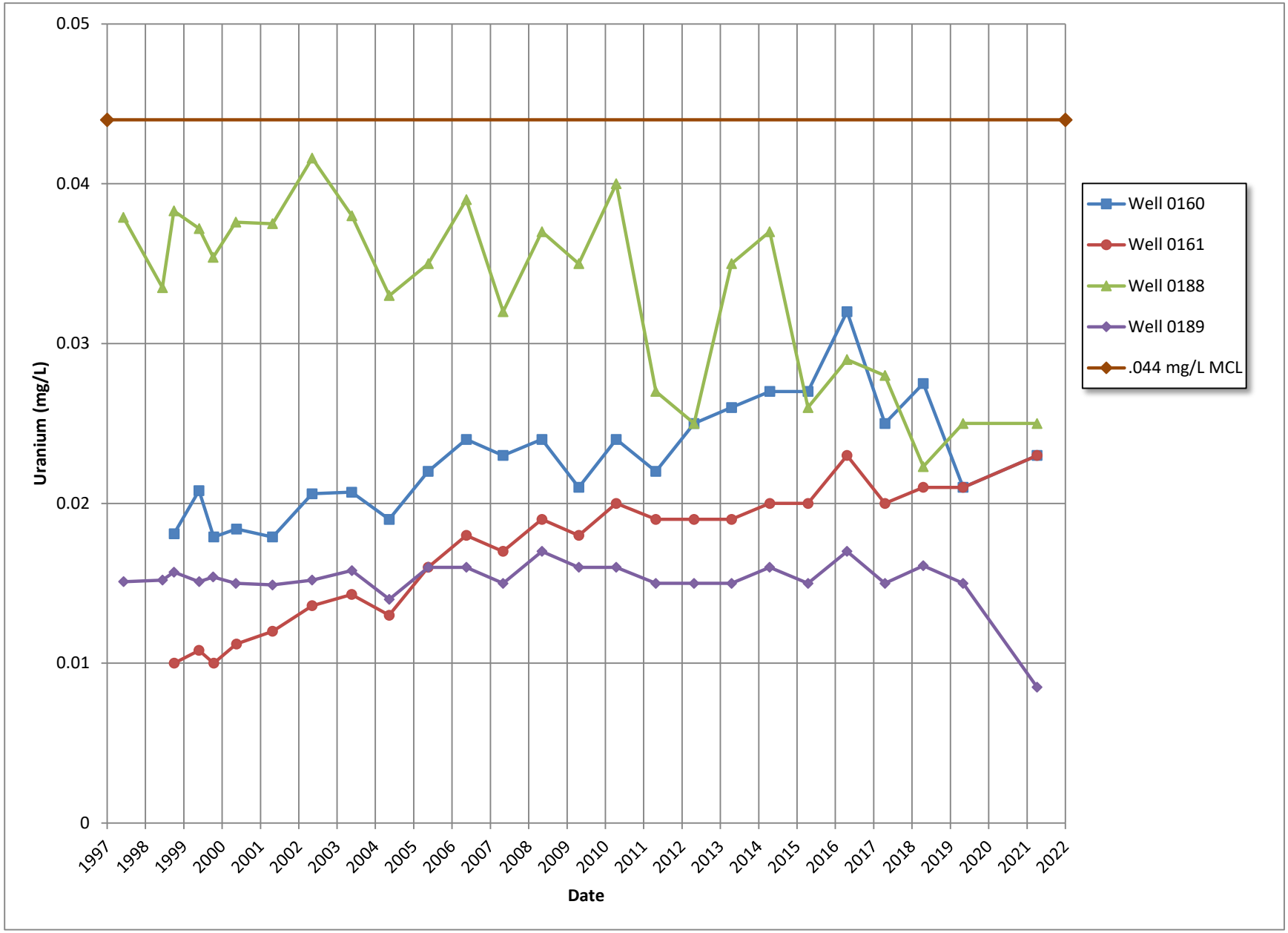
Plot 1. Uranium Concentrations in Groundwater, ***Onsite and Just Off the Former Mill Site***



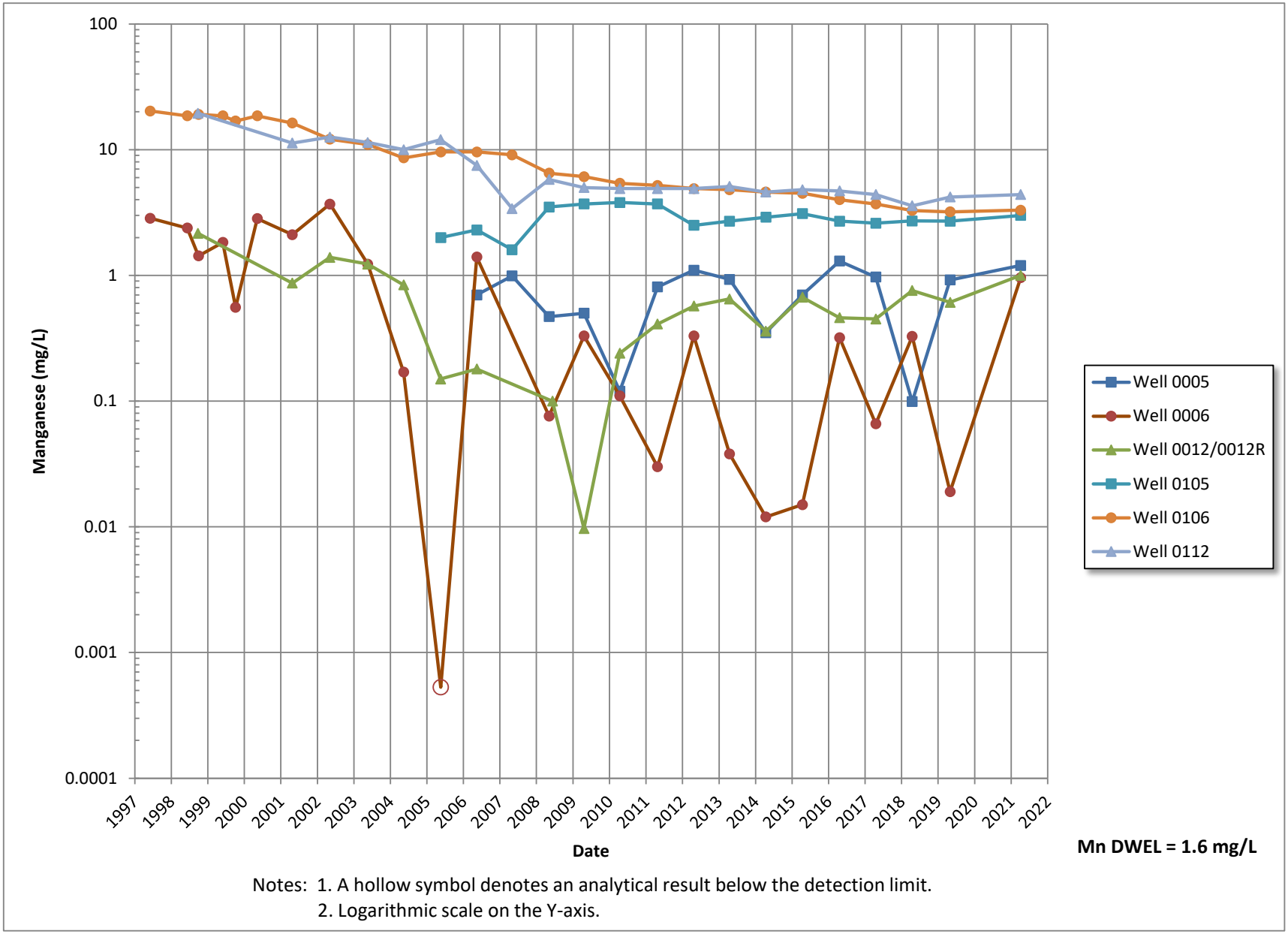
Plot 2. Uranium Concentrations in Groundwater, ***Onsite and Downgradient of the Former Mill Site (Pasture)***



Plot 3. Uranium Concentrations in Groundwater, ***Downgradient of the Former Mill Site (Golf Course and Residential Areas)***

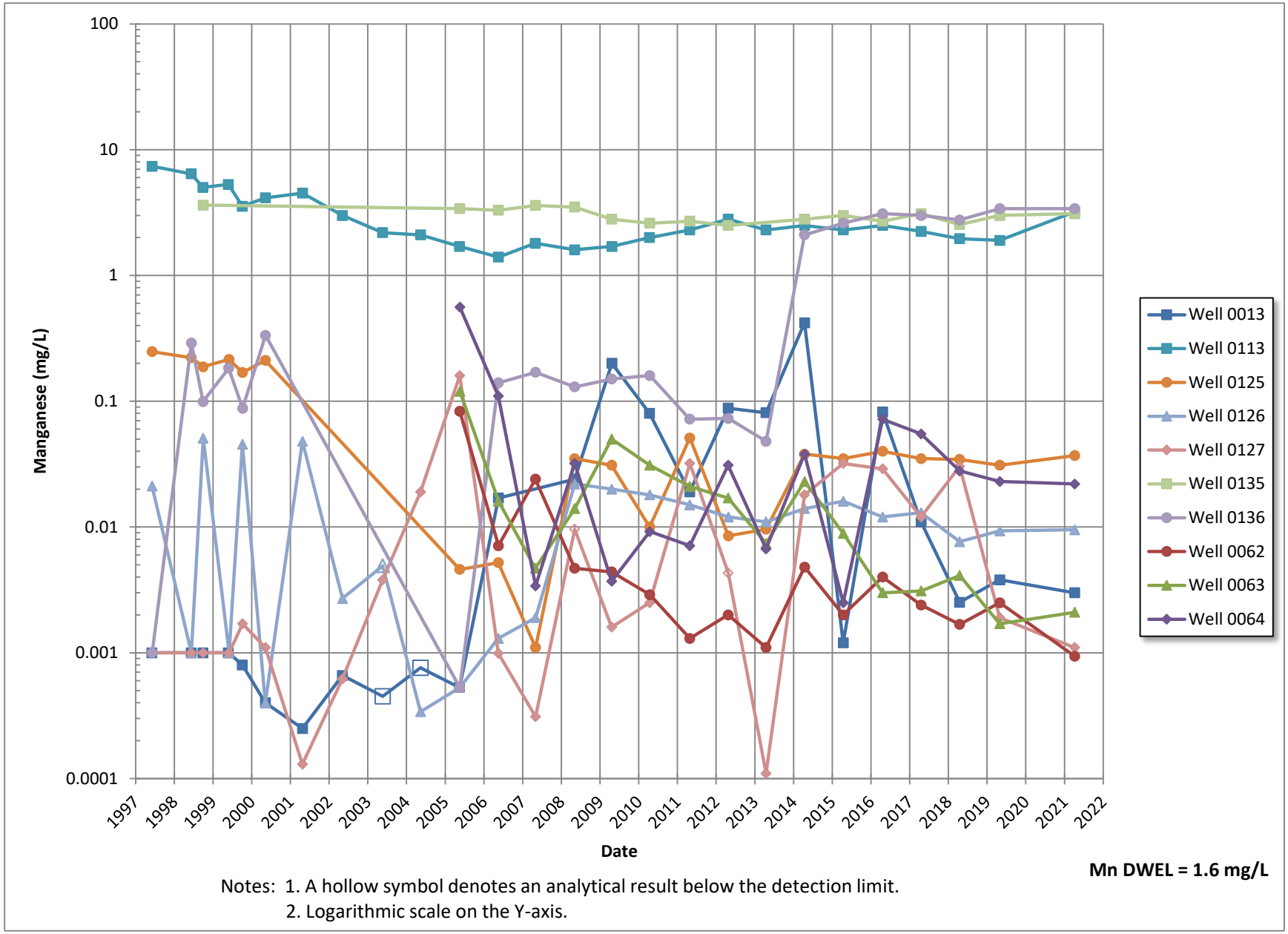


Plot 4. Uranium Concentrations in Groundwater, ***Downgradient of the Former Mill Site (West of Gunnison River)***



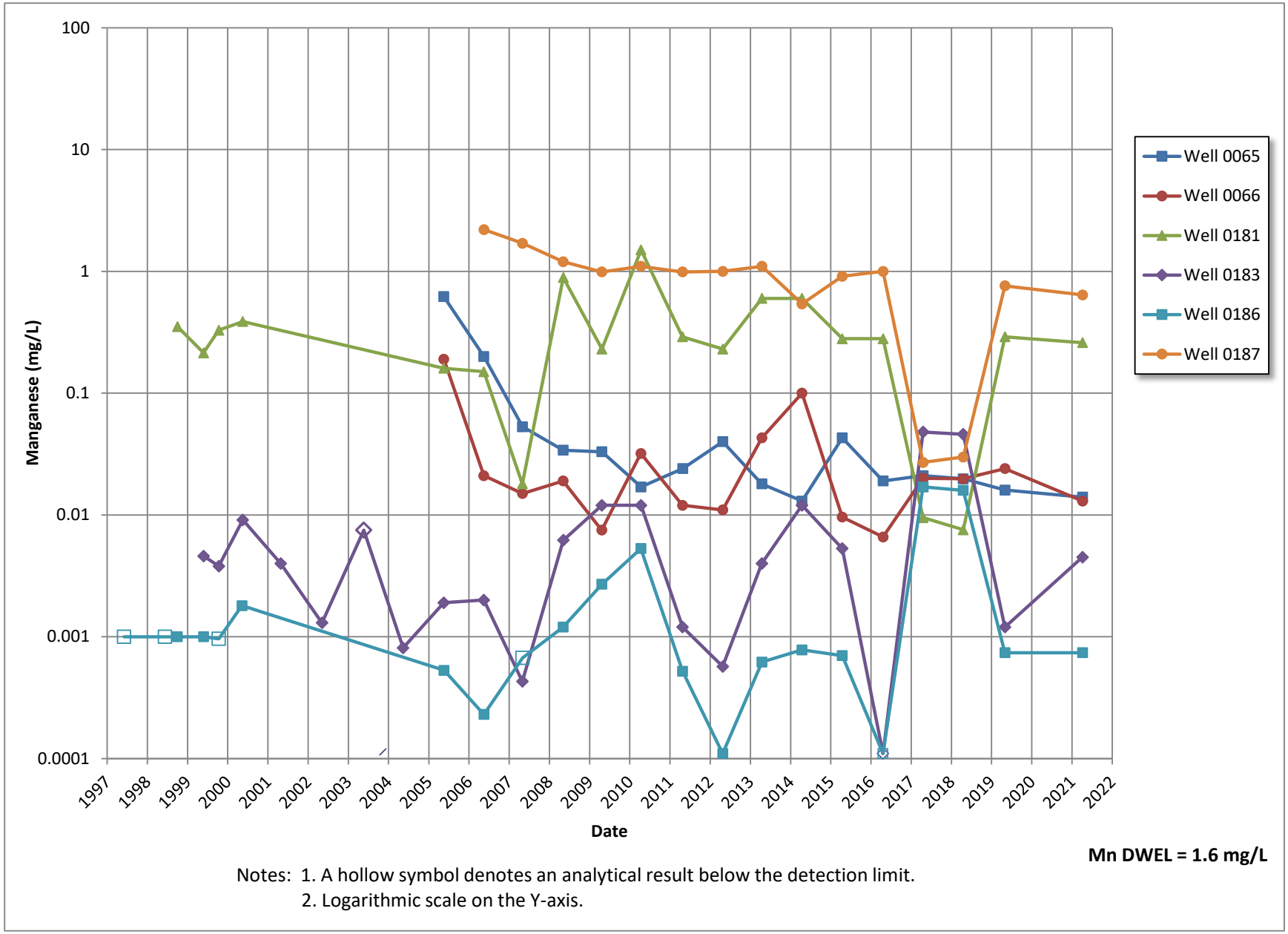
Notes: 1. A hollow symbol denotes an analytical result below the detection limit.
2. Logarithmic scale on the Y-axis.

Plot 5. Manganese Concentrations in Groundwater, ***Onsite and Just Off the Former Mill Site***



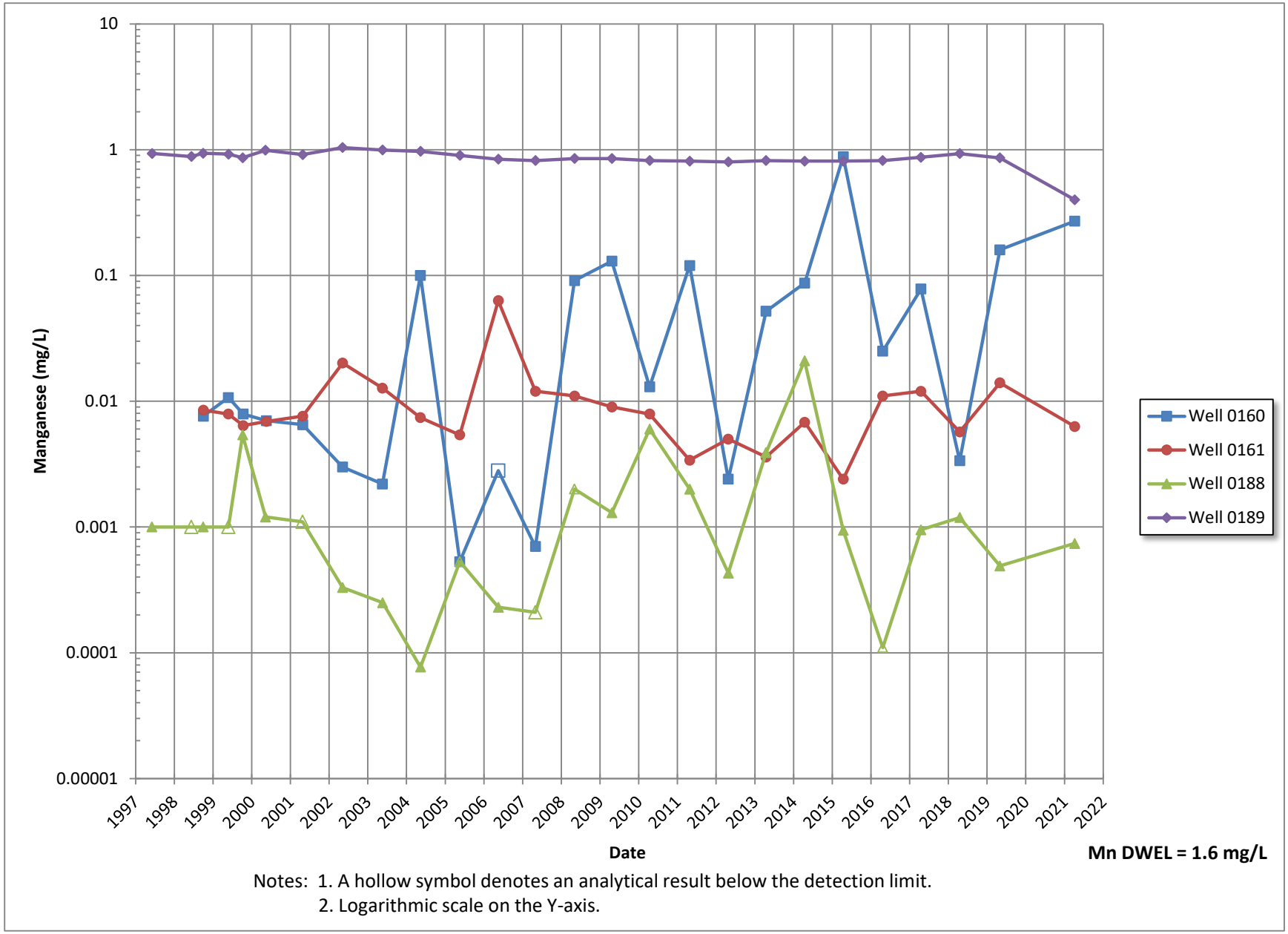
Notes: 1. A hollow symbol denotes an analytical result below the detection limit.
2. Logarithmic scale on the Y-axis.

Plot 6. Manganese Concentrations in Groundwater, ***Downgradient of the Former Mill Site (Pasture)***



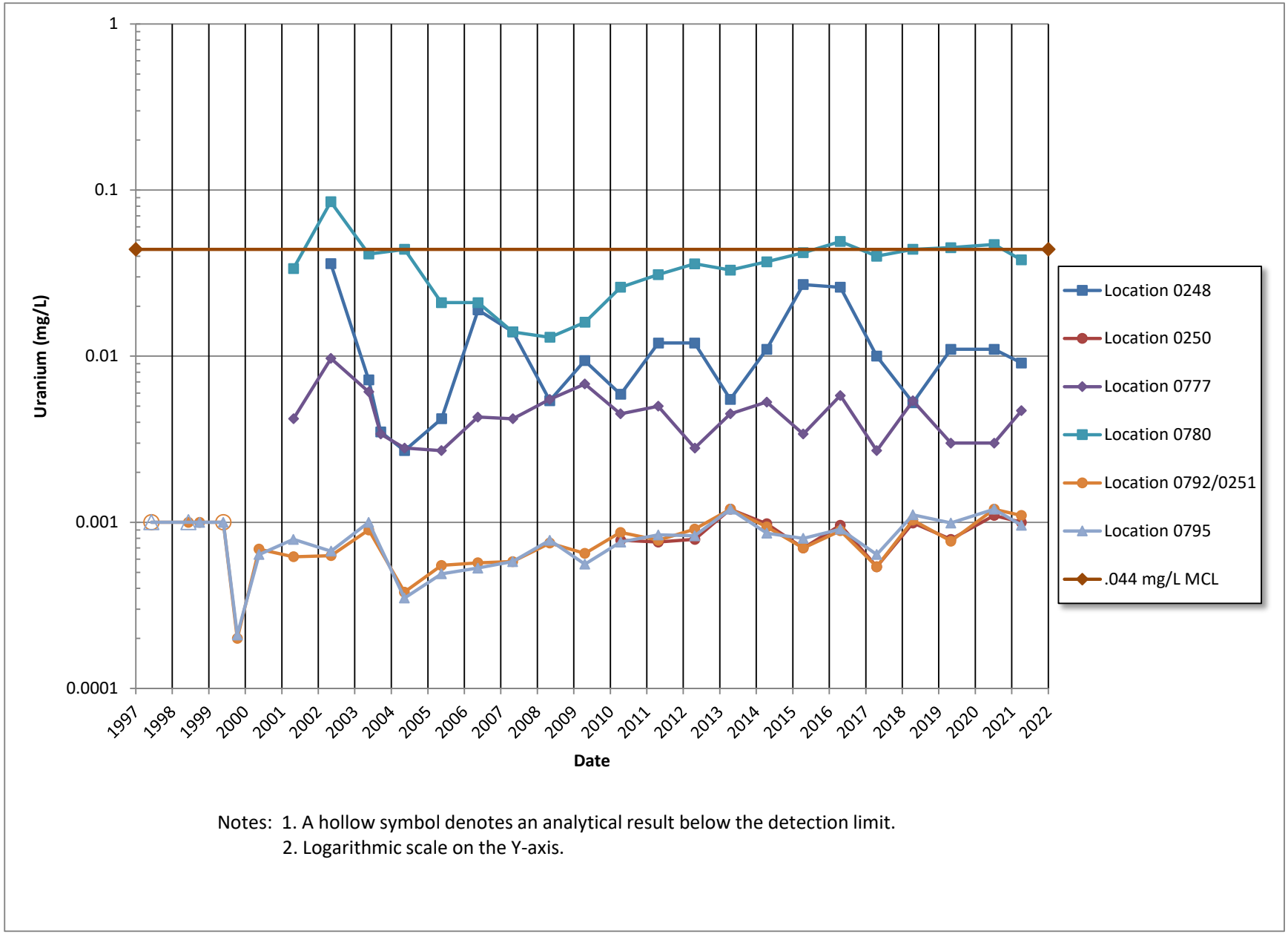
Notes: 1. A hollow symbol denotes an analytical result below the detection limit.
2. Logarithmic scale on the Y-axis.

Plot 7. Manganese Concentrations in Groundwater, ***Downgradient of the Former Mill Site (Golf Course and Residential Area)***



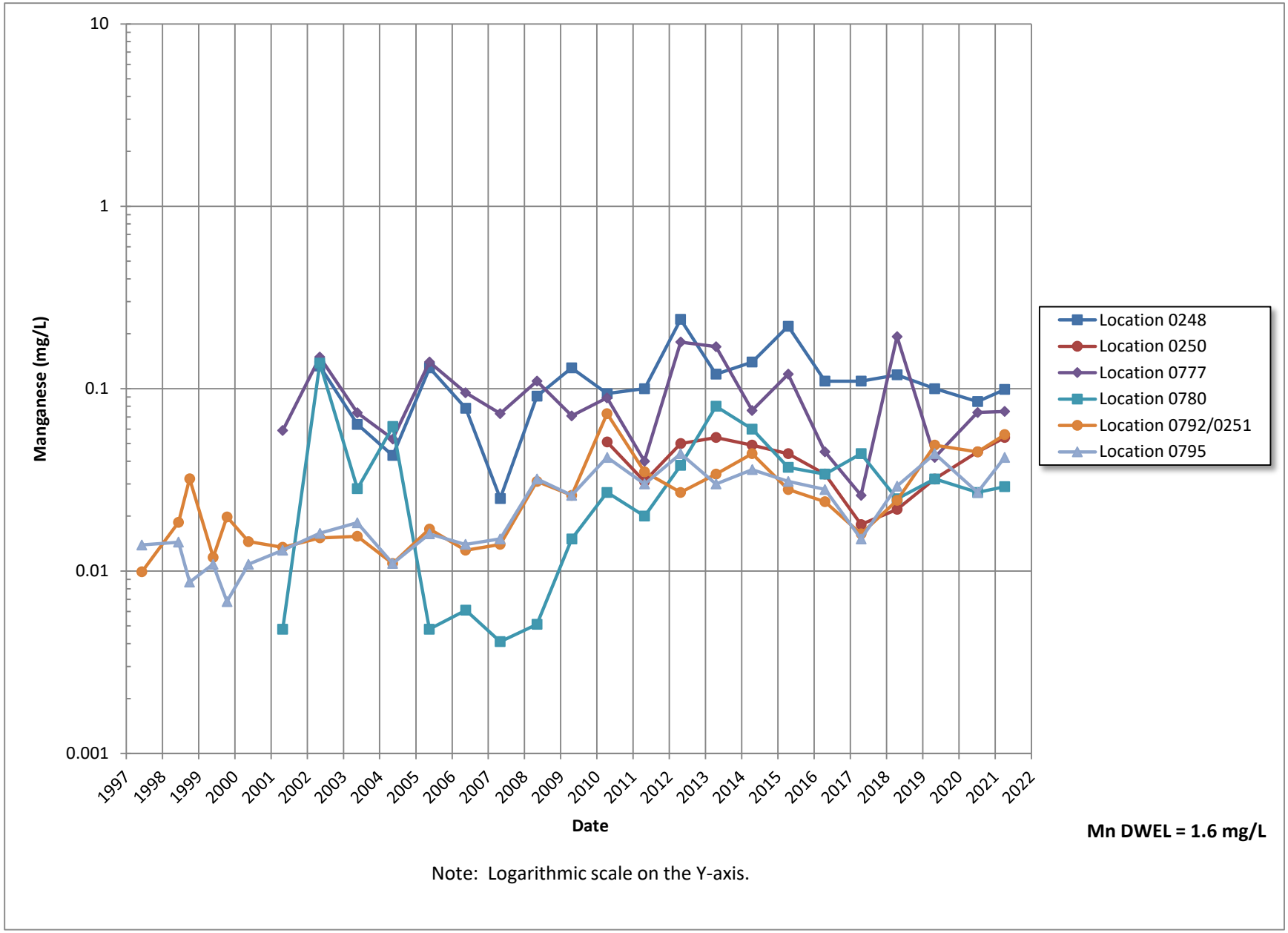
Notes: 1. A hollow symbol denotes an analytical result below the detection limit.
2. Logarithmic scale on the Y-axis.

Plot 8. Manganese Concentrations in Groundwater, ***Downgradient of the Former Mill Site (West of Gunnison River)***

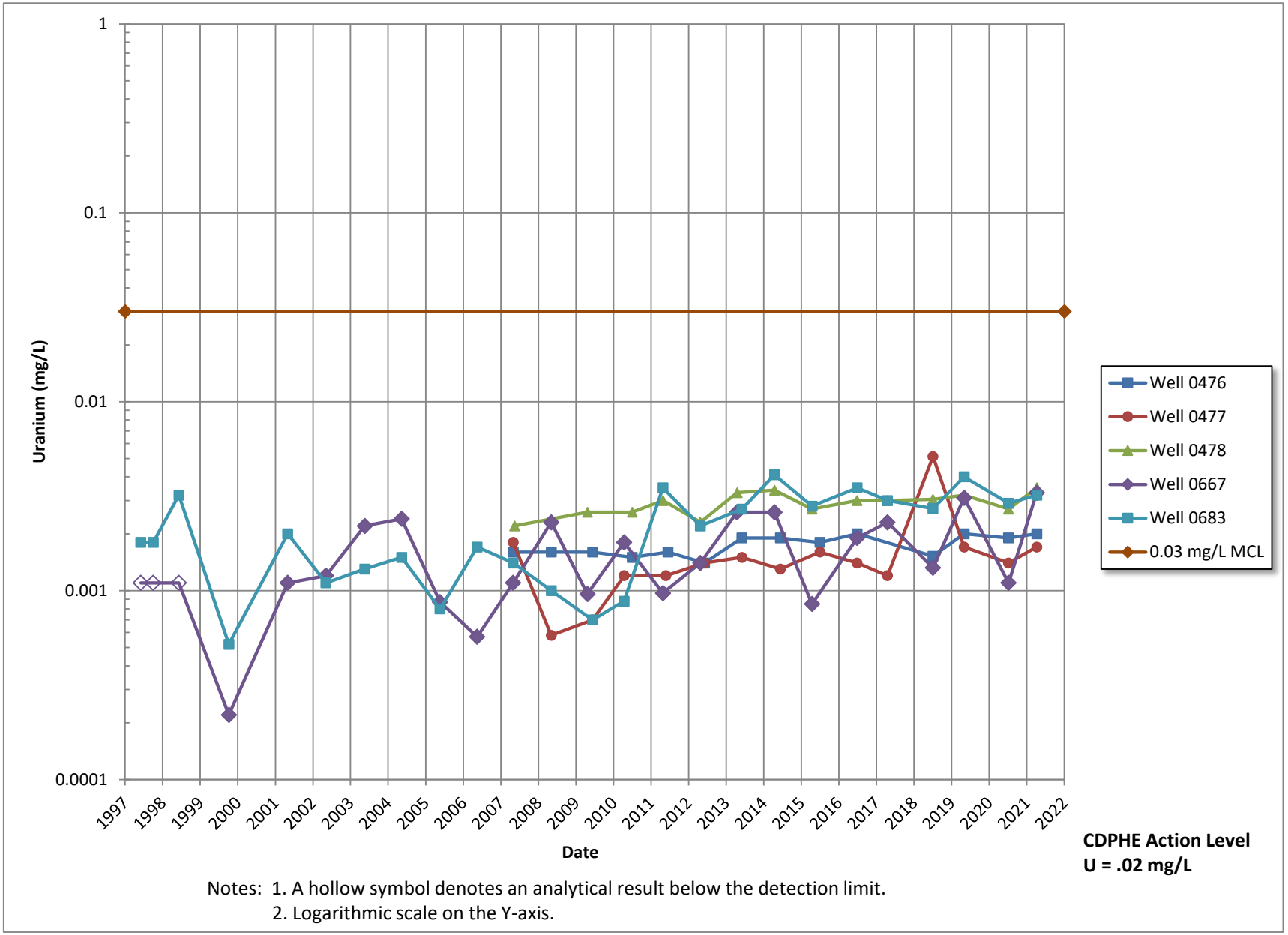


Notes: 1. A hollow symbol denotes an analytical result below the detection limit.
2. Logarithmic scale on the Y-axis.

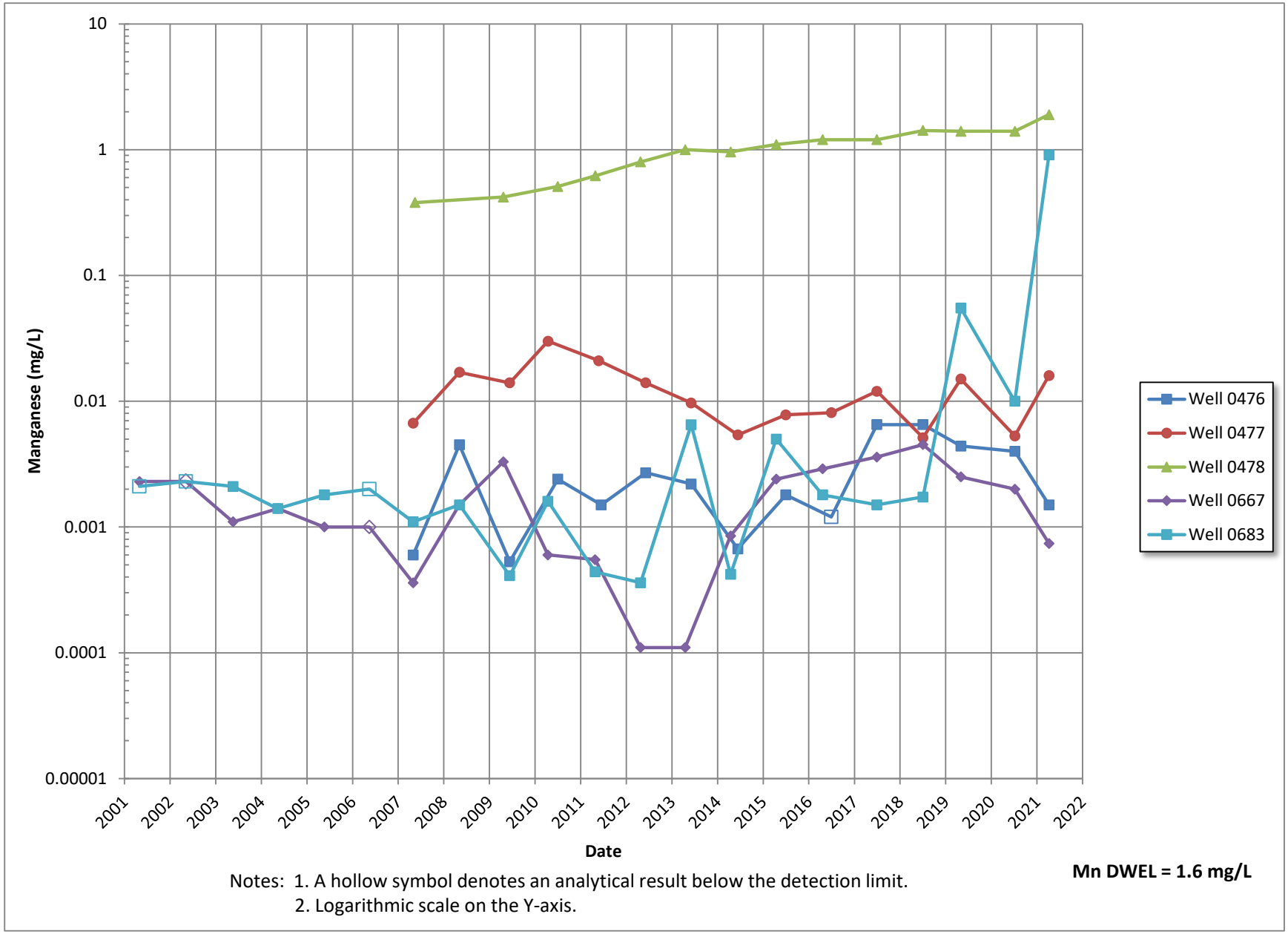
Plot 9. Uranium Concentrations in Surface Water near the Gunnison Site



Plot 10. Manganese Concentrations in Surface Water near the Gunnison Site



Plot 11. Uranium Concentrations in Groundwater, ***Domestic Wells Downgradient of the Former Mill Site (West of Gunnison River)***



Plot 12. Manganese Concentrations in Groundwater, ***Domestic Wells Downgradient of the Former Mill Site (West of Gunnison River)***

Attachment 2

Groundwater Quality Data by Parameter for DOE Monitoring Wells

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GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:13 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Manganese														
Manganese	0002	WL		4/18/2018	(T)F			0.000171	mg/L	J	F	#	0.0001	-
Manganese	0002	WL		5/1/2019	(T)F			0.00049	mg/L	U	F	#	0.00049	-
Manganese	0002	WL		4/7/2021	(T)F			0.00074	mg/L	U	F	#	0.00074	-
Manganese	0005	WL		4/17/2018	(T)F			0.992	mg/L	D	F	#	0.001	-
Manganese	0005	WL		5/1/2019	(T)F			0.92	mg/L		F	#	0.00049	-
Manganese	0005	WL		4/6/2021	(T)F			1.2	mg/L		F	#	0.00074	-
Manganese	0006	WL		4/16/2018	(T)F			0.327	mg/L		F	#	0.0001	-
Manganese	0006	WL		5/1/2019	(T)F			0.019	mg/L		F	#	0.00049	-
Manganese	0006	WL		5/1/2019	(T)D			0.018	mg/L		F	#	0.00049	-
Manganese	0006	WL		4/6/2021	(T)F			0.96	mg/L		F	#	0.00074	-
Manganese	0012R	WL		4/17/2018	(T)F			0.758	mg/L	D	F	#	0.001	-
Manganese	0012R	WL		5/1/2019	(T)F			0.61	mg/L		F	#	0.00049	-
Manganese	0012R	WL		5/1/2019	(T)D			0.55	mg/L		F	#	0.00049	-
Manganese	0012R	WL		4/7/2021	(T)F			1	mg/L		F	#	0.00074	-
Manganese	0012R	WL		4/7/2021	(T)D			0.84	mg/L		F	#	0.00074	-
Manganese	0013	WL		4/17/2018	(T)F			0.00252	mg/L		F	#	0.0001	-
Manganese	0013	WL		5/1/2019	(T)F			0.0038	mg/L	J	F	#	0.00049	-
Manganese	0013	WL		4/7/2021	(T)D			0.003	mg/L	J	F	#	0.00074	-
Manganese	0013	WL		4/7/2021	(T)F			0.0043	mg/L	J	F	#	0.00074	-
Manganese	0062	WL		4/17/2018	(T)F			0.00168	mg/L		F	#	0.0001	-
Manganese	0062	WL		4/30/2019	(T)F			0.0025	mg/L	J	F	#	0.00049	-
Manganese	0062	WL		4/6/2021	(T)F			0.00094	mg/L	J	F	#	0.00074	-
Manganese	0063	WL		4/17/2018	(T)F			0.00412	mg/L		F	#	0.0001	-
Manganese	0063	WL		4/30/2019	(T)F			0.0017	mg/L	J	F	#	0.00049	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:13 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Manganese	0063	WL		4/6/2021	(T)F			0.0021	mg/L	J	F	#	0.00074	-
Manganese	0064	WL		4/17/2018	(T)F			0.0279	mg/L		F	#	0.0001	-
Manganese	0064	WL		5/2/2019	(T)F			0.023	mg/L		F	#	0.00049	-
Manganese	0064	WL		4/6/2021	(T)F			0.022	mg/L		F	#	0.00074	-
Manganese	0065	WL		4/18/2018	(T)F			0.046	mg/L		F	#	0.0001	-
Manganese	0065	WL		5/2/2019	(T)F			0.016	mg/L		F	#	0.00049	-
Manganese	0065	WL		4/7/2021	(T)F			0.014	mg/L		F	#	0.00074	-
Manganese	0066	WL		4/18/2018	(T)F			0.00669	mg/L		F	#	0.0001	-
Manganese	0066	WL		5/2/2019	(T)F			0.024	mg/L		F	#	0.00049	-
Manganese	0066	WL		4/7/2021	(T)F			0.013	mg/L		F	#	0.00074	-
Manganese	0102	WL		4/18/2018	(T)F			0.0016	mg/L		F	#	0.0001	-
Manganese	0102	WL		5/1/2019	(T)F			0.00049	mg/L	U	F	#	0.00049	-
Manganese	0102	WL		4/7/2021	(T)F			0.0035	mg/L	J	F	#	0.00074	-
Manganese	0105	WL		4/17/2018	(T)F			2.71	mg/L	D	F	#	0.001	-
Manganese	0105	WL		5/1/2019	(T)F			2.7	mg/L		F	#	0.00049	-
Manganese	0105	WL		4/6/2021	(T)F			3	mg/L		F	#	0.00074	-
Manganese	0106	WL		4/16/2018	(T)F			3.28	mg/L	D	F	#	0.001	-
Manganese	0106	WL		5/1/2019	(T)F			3.2	mg/L		F	#	0.00049	-
Manganese	0106	WL		4/6/2021	(T)F			3.3	mg/L		F	#	0.00074	-
Manganese	0112	WL		4/17/2018	(T)F			3.58	mg/L	D	F	#	0.001	-
Manganese	0112	WL		5/1/2019	(D)F			4.2	mg/L		F	#	0.00049	-
Manganese	0112	WL		4/7/2021	(T)F			4.4	mg/L		F	#	0.00074	-
Manganese	0113	WL		4/17/2018	(T)F			1.96	mg/L	D	F	#	0.001	-
Manganese	0113	WL		4/17/2018	(T)D			2.24	mg/L	D	F	#	0.001	-
Manganese	0113	WL		5/1/2019	(T)F			1.9	mg/L		F	#	0.00049	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:13 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Manganese	0113	WL		4/7/2021	(T)F			3.2	mg/L		F	#	0.00074	-
Manganese	0125	WL		4/17/2018	(T)F			0.0345	mg/L		F	#	0.0001	-
Manganese	0125	WL		4/30/2019	(T)F			0.031	mg/L		F	#	0.00049	-
Manganese	0125	WL		4/6/2021	(T)F			0.037	mg/L		F	#	0.00074	-
Manganese	0126	WL		4/17/2018	(T)F			0.00765	mg/L		F	#	0.0001	-
Manganese	0126	WL		4/30/2019	(T)F			0.0093	mg/L	J	F	#	0.00049	-
Manganese	0126	WL		4/6/2021	(T)F			0.0095	mg/L	J	F	#	0.00074	-
Manganese	0127	WL		4/17/2018	(T)F			0.0303	mg/L		F	#	0.0001	-
Manganese	0127	WL		4/30/2019	(T)F			0.0019	mg/L	J	F	#	0.00049	-
Manganese	0127	WL		4/6/2021	(T)F			0.0011	mg/L	J	F	#	0.00074	-
Manganese	0135	WL		4/16/2018	(T)F			2.54	mg/L	D	F	#	0.001	-
Manganese	0135	WL		5/2/2019	(T)F			3	mg/L		F	#	0.00049	-
Manganese	0135	WL		4/6/2021	(T)F			3.1	mg/L		F	#	0.00074	-
Manganese	0136	WL		4/16/2018	(T)F			2.76	mg/L	D	F	#	0.001	-
Manganese	0136	WL		5/2/2019	(T)F			3.4	mg/L		F	#	0.00049	-
Manganese	0136	WL		4/6/2021	(T)F			3.4	mg/L		F	#	0.00074	-
Manganese	0160	WL		4/18/2018	(T)F			0.00336	mg/L		F	#	0.0001	-
Manganese	0160	WL		5/2/2019	(T)F			0.16	mg/L		F	#	0.00049	-
Manganese	0160	WL		4/8/2021	(D)F			0.27	mg/L		F	#	0.00074	-
Manganese	0161	WL		4/18/2018	(T)F			0.0057	mg/L		F	#	0.0001	-
Manganese	0161	WL		5/2/2019	(T)F			0.014	mg/L		F	#	0.00049	-
Manganese	0161	WL		4/8/2021	(T)F			0.0063	mg/L	J	F	#	0.00074	-
Manganese	0181	WL		4/16/2018	(T)F			0.298	mg/L		F	#	0.0001	-
Manganese	0181	WL		5/2/2019	(T)F			0.29	mg/L		F	#	0.00049	-
Manganese	0181	WL		4/7/2021	(T)F			0.26	mg/L		F	#	0.00074	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Manganese	0183	WL		4/16/2018	(T)F			0.000794	mg/L	J	FU	#	0.0001	-
Manganese	0183	WL		5/2/2019	(T)F			0.0012	mg/L	J	F	#	0.00049	-
Manganese	0183	WL		4/7/2021	(T)F			0.0045	mg/L	J	F	#	0.00074	-
Manganese	0186	WL		4/17/2018	(T)F			0.000268	mg/L	J	FU	#	0.0001	-
Manganese	0186	WL		5/1/2019	(T)F			0.00074	mg/L	J	F	#	0.00049	-
Manganese	0186	WL		4/6/2021	(T)F			0.00074	mg/L	U	F	#	0.00074	-
Manganese	0187	WL		4/17/2018	(T)F			0.753	mg/L	D	F	#	0.001	-
Manganese	0187	WL		5/1/2019	(T)F			0.76	mg/L		F	#	0.00049	-
Manganese	0187	WL		4/6/2021	(T)F			0.64	mg/L		F	#	0.00074	-
Manganese	0188	WL		4/18/2018	(T)F			0.00119	mg/L		F	#	0.0001	-
Manganese	0188	WL		5/1/2019	(T)F			0.00049	mg/L	U	F	#	0.00049	-
Manganese	0188	WL		4/7/2021	(T)F			0.00074	mg/L	U	F	#	0.00074	-
Manganese	0189	WL		4/18/2018	(T)F			0.93	mg/L	D	FQ	#	0.001	-
Manganese	0189	WL		5/1/2019	(T)F			0.86	mg/L		FQ	#	0.00049	-
Manganese	0189	WL		4/7/2021	(T)F			0.4	mg/L		FQ	#	0.00074	-
Oxidation Reduction Potential														
Oxidation Reduction Potential	0002	WL		4/18/2018	(N)F			176.3	mV		F	#	-	-
Oxidation Reduction Potential	0002	WL		5/1/2019	(N)F			222.8	mV		F	#	-	-
Oxidation Reduction Potential	0002	WL		4/7/2021	(N)F			24	mV		F	#	-	-
Oxidation Reduction Potential	0005	WL		4/17/2018	(N)F			85.2	mV		F	#	-	-
Oxidation Reduction Potential	0005	WL		5/1/2019	(N)F			121.3	mV		F	#	-	-
Oxidation Reduction Potential	0005	WL		4/6/2021	(N)F			123	mV		F	#	-	-
Oxidation Reduction Potential	0006	WL		4/16/2018	(N)F			124	mV		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Oxidation Reduction Potential	0006	WL		5/1/2019	(N)F			133	mV		F	#	-	-
Oxidation Reduction Potential	0006	WL		4/6/2021	(N)F			116	mV		F	#	-	-
Oxidation Reduction Potential	0012R	WL		4/17/2018	(N)F			80.1	mV		F	#	-	-
Oxidation Reduction Potential	0012R	WL		5/1/2019	(N)F			200.8	mV		F	#	-	-
Oxidation Reduction Potential	0012R	WL		4/7/2021	(N)F			46	mV		F	#	-	-
Oxidation Reduction Potential	0013	WL		4/17/2018	(N)F			77.3	mV		F	#	-	-
Oxidation Reduction Potential	0013	WL		5/1/2019	(N)F			208	mV		F	#	-	-
Oxidation Reduction Potential	0013	WL		4/7/2021	(N)F			52	mV		F	#	-	-
Oxidation Reduction Potential	0062	WL		4/17/2018	(N)F			139.3	mV		F	#	-	-
Oxidation Reduction Potential	0062	WL		4/30/2019	(N)F			147.8	mV		F	#	-	-
Oxidation Reduction Potential	0062	WL		4/6/2021	(N)F			79	mV		F	#	-	-
Oxidation Reduction Potential	0063	WL		4/17/2018	(N)F			149.4	mV		F	#	-	-
Oxidation Reduction Potential	0063	WL		4/30/2019	(N)F			144.5	mV		F	#	-	-
Oxidation Reduction Potential	0063	WL		4/6/2021	(N)F			66	mV		F	#	-	-
Oxidation Reduction Potential	0064	WL		4/17/2018	(N)F			126.4	mV		F	#	-	-
Oxidation Reduction Potential	0064	WL		5/2/2019	(N)F			163.2	mV		F	#	-	-
Oxidation Reduction Potential	0064	WL		4/6/2021	(N)F			67	mV		F	#	-	-
Oxidation Reduction Potential	0065	WL		4/18/2018	(N)F			94.1	mV		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Oxidation Reduction Potential	0065	WL		5/2/2019	(N)F			120.7	mV		F	#	-	-
Oxidation Reduction Potential	0065	WL		4/7/2021	(N)F			79	mV		F	#	-	-
Oxidation Reduction Potential	0066	WL		4/18/2018	(N)F			96.6	mV		F	#	-	-
Oxidation Reduction Potential	0066	WL		5/2/2019	(N)F			185.4	mV		F	#	-	-
Oxidation Reduction Potential	0066	WL		4/7/2021	(N)F			87	mV		F	#	-	-
Oxidation Reduction Potential	0102	WL		4/18/2018	(N)F			162	mV		F	#	-	-
Oxidation Reduction Potential	0102	WL		5/1/2019	(N)F			227.5	mV		F	#	-	-
Oxidation Reduction Potential	0102	WL		4/7/2021	(N)F			-60	mV		F	#	-	-
Oxidation Reduction Potential	0105	WL		4/17/2018	(N)F			76.7	mV		F	#	-	-
Oxidation Reduction Potential	0105	WL		5/1/2019	(N)F			124.1	mV		F	#	-	-
Oxidation Reduction Potential	0105	WL		4/6/2021	(N)F			87	mV		F	#	-	-
Oxidation Reduction Potential	0106	WL		4/16/2018	(N)F			106	mV		F	#	-	-
Oxidation Reduction Potential	0106	WL		5/1/2019	(N)F			134.5	mV		F	#	-	-
Oxidation Reduction Potential	0106	WL		4/6/2021	(N)F			114	mV		F	#	-	-
Oxidation Reduction Potential	0112	WL		4/17/2018	(N)F			81.3	mV		F	#	-	-
Oxidation Reduction Potential	0112	WL		5/1/2019	(N)F			125.4	mV		F	#	-	-
Oxidation Reduction Potential	0112	WL		4/7/2021	(N)F			27	mV		F	#	-	-
Oxidation Reduction Potential	0113	WL		4/17/2018	(N)F			75.1	mV		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Oxidation Reduction Potential	0113	WL		5/1/2019	(N)F			211.2	mV		F	#	-	-
Oxidation Reduction Potential	0113	WL		4/7/2021	(N)F			55	mV		F	#	-	-
Oxidation Reduction Potential	0125	WL		4/17/2018	(N)F			69.2	mV		F	#	-	-
Oxidation Reduction Potential	0125	WL		4/30/2019	(N)F			209.7	mV		F	#	-	-
Oxidation Reduction Potential	0125	WL		4/6/2021	(N)F			143	mV		F	#	-	-
Oxidation Reduction Potential	0126	WL		4/17/2018	(N)F			70.9	mV		F	#	-	-
Oxidation Reduction Potential	0126	WL		4/30/2019	(N)F			194.7	mV		F	#	-	-
Oxidation Reduction Potential	0126	WL		4/6/2021	(N)F			140	mV		F	#	-	-
Oxidation Reduction Potential	0127	WL		4/17/2018	(N)F			64.3	mV		F	#	-	-
Oxidation Reduction Potential	0127	WL		4/30/2019	(N)F			185.4	mV		F	#	-	-
Oxidation Reduction Potential	0127	WL		4/6/2021	(N)F			128	mV		F	#	-	-
Oxidation Reduction Potential	0135	WL		4/16/2018	(N)F			143	mV		F	#	-	-
Oxidation Reduction Potential	0135	WL		5/2/2019	(N)F			50.5	mV		F	#	-	-
Oxidation Reduction Potential	0135	WL		4/6/2021	(N)F			41	mV		F	#	-	-
Oxidation Reduction Potential	0136	WL		4/16/2018	(N)F			103	mV		F	#	-	-
Oxidation Reduction Potential	0136	WL		5/2/2019	(N)F			1.3	mV		F	#	-	-
Oxidation Reduction Potential	0136	WL		4/6/2021	(N)F			32	mV		F	#	-	-
Oxidation Reduction Potential	0160	WL		4/18/2018	(N)F			91.1	mV		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Oxidation Reduction Potential	0160	WL		5/2/2019	(N)F			33.4	mV		F	#	-	-
Oxidation Reduction Potential	0160	WL		4/8/2021	(N)F			113	mV		F	#	-	-
Oxidation Reduction Potential	0161	WL		4/18/2018	(N)F			91	mV		F	#	-	-
Oxidation Reduction Potential	0161	WL		5/2/2019	(N)F			173.3	mV		F	#	-	-
Oxidation Reduction Potential	0161	WL		4/8/2021	(N)F			152	mV		F	#	-	-
Oxidation Reduction Potential	0181	WL		4/16/2018	(N)F			171	mV		F	#	-	-
Oxidation Reduction Potential	0181	WL		5/2/2019	(N)F			209.9	mV		F	#	-	-
Oxidation Reduction Potential	0181	WL		4/7/2021	(N)F			74	mV		F	#	-	-
Oxidation Reduction Potential	0183	WL		4/16/2018	(N)F			185	mV		F	#	-	-
Oxidation Reduction Potential	0183	WL		5/2/2019	(N)F			206.6	mV		F	#	-	-
Oxidation Reduction Potential	0183	WL		4/7/2021	(N)F			75	mV		F	#	-	-
Oxidation Reduction Potential	0186	WL		4/17/2018	(N)F			66.4	mV		F	#	-	-
Oxidation Reduction Potential	0186	WL		5/1/2019	(N)F			130.6	mV		F	#	-	-
Oxidation Reduction Potential	0186	WL		4/6/2021	(N)F			146	mV		F	#	-	-
Oxidation Reduction Potential	0187	WL		4/17/2018	(N)F			64	mV		F	#	-	-
Oxidation Reduction Potential	0187	WL		5/1/2019	(N)F			102.2	mV		F	#	-	-
Oxidation Reduction Potential	0187	WL		4/6/2021	(N)F			61	mV		F	#	-	-
Oxidation Reduction Potential	0188	WL		4/18/2018	(N)F			142.3	mV		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Oxidation Reduction Potential	0188	WL		5/1/2019	(N)F			66.9	mV		F	#	-	-
Oxidation Reduction Potential	0188	WL		4/7/2021	(N)F			133	mV		F	#	-	-
Oxidation Reduction Potential	0189	WL		4/18/2018	(N)F			103.3	mV		FQ	#	-	-
Oxidation Reduction Potential	0189	WL		5/1/2019	(N)F			91.3	mV		FQ	#	-	-
Oxidation Reduction Potential	0189	WL		4/7/2021	(N)F			33	mV		FQ	#	-	-
Percent Dissolved Oxygen														
Percent Dissolved Oxygen	0063	WL		4/17/2018	(N)F			41.8	%			#	-	-
pH														
pH	0002	WL		4/18/2018	(N)F			7.41	s.u.		F	#	-	-
pH	0002	WL		5/1/2019	(N)F			6.36	s.u.		F	#	-	-
pH	0002	WL		4/7/2021	(N)F			7.2	s.u.		F	#	-	-
pH	0005	WL		4/17/2018	(N)F			7.14	s.u.		F	#	-	-
pH	0005	WL		5/1/2019	(N)F			6.21	s.u.		F	#	-	-
pH	0005	WL		4/6/2021	(N)F			7.28	s.u.		F	#	-	-
pH	0006	WL		4/16/2018	(N)F			6.91	s.u.		F	#	-	-
pH	0006	WL		5/1/2019	(N)F			5.98	s.u.		F	#	-	-
pH	0006	WL		4/6/2021	(N)F			6.8	s.u.		F	#	-	-
pH	0012R	WL		4/17/2018	(N)F			7.04	s.u.		F	#	-	-
pH	0012R	WL		5/1/2019	(N)F			6.08	s.u.		F	#	-	-
pH	0012R	WL		4/7/2021	(N)F			6.99	s.u.		F	#	-	-
pH	0013	WL		4/17/2018	(N)F			7.25	s.u.		F	#	-	-
pH	0013	WL		5/1/2019	(N)F			6.28	s.u.		F	#	-	-
pH	0013	WL		4/7/2021	(N)F			7.25	s.u.		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
pH	0062	WL		4/17/2018	(N)F			7.59	s.u.		F	#	-	-
pH	0062	WL		4/30/2019	(N)F			7.22	s.u.		F	#	-	-
pH	0062	WL		4/6/2021	(N)F			7.45	s.u.		F	#	-	-
pH	0063	WL		4/17/2018	(N)F			7.51	s.u.		F	#	-	-
pH	0063	WL		4/30/2019	(N)F			7.29	s.u.		F	#	-	-
pH	0063	WL		4/6/2021	(N)F			7.52	s.u.		F	#	-	-
pH	0064	WL		4/17/2018	(N)F			7.4	s.u.		F	#	-	-
pH	0064	WL		5/2/2019	(N)F			7.45	s.u.		F	#	-	-
pH	0064	WL		4/6/2021	(N)F			7.35	s.u.		F	#	-	-
pH	0065	WL		4/18/2018	(N)F			7.52	s.u.		F	#	-	-
pH	0065	WL		5/2/2019	(N)F			7.42	s.u.		F	#	-	-
pH	0065	WL		4/7/2021	(N)F			7.36	s.u.		F	#	-	-
pH	0066	WL		4/18/2018	(N)F			7.37	s.u.		F	#	-	-
pH	0066	WL		5/2/2019	(N)F			7.37	s.u.		F	#	-	-
pH	0066	WL		4/7/2021	(N)F			7.28	s.u.		F	#	-	-
pH	0102	WL		4/18/2018	(N)F			7.51	s.u.		F	#	-	-
pH	0102	WL		5/1/2019	(N)F			6.56	s.u.		F	#	-	-
pH	0102	WL		4/7/2021	(N)F			7.31	s.u.		F	#	-	-
pH	0105	WL		4/17/2018	(N)F			6.93	s.u.		F	#	-	-
pH	0105	WL		5/1/2019	(N)F			5.95	s.u.		F	#	-	-
pH	0105	WL		4/6/2021	(N)F			6.82	s.u.		F	#	-	-
pH	0106	WL		4/16/2018	(N)F			6.08	s.u.		F	#	-	-
pH	0106	WL		5/1/2019	(N)F			5.24	s.u.		F	#	-	-
pH	0106	WL		4/6/2021	(N)F			6.15	s.u.		F	#	-	-
pH	0112	WL		4/17/2018	(N)F			6.24	s.u.		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
pH	0112	WL		5/1/2019	(N)F			5.56	s.u.		F	#	-	-
pH	0112	WL		4/7/2021	(N)F			6.38	s.u.		F	#	-	-
pH	0113	WL		4/17/2018	(N)F			7.05	s.u.		F	#	-	-
pH	0113	WL		5/1/2019	(N)F			6.15	s.u.		F	#	-	-
pH	0113	WL		4/7/2021	(N)F			6.97	s.u.		F	#	-	-
pH	0125	WL		4/17/2018	(N)F			7.34	s.u.		F	#	-	-
pH	0125	WL		4/30/2019	(N)F			6.82	s.u.		F	#	-	-
pH	0125	WL		4/6/2021	(N)F			7.24	s.u.		F	#	-	-
pH	0126	WL		4/17/2018	(N)F			7.27	s.u.		F	#	-	-
pH	0126	WL		4/30/2019	(N)F			6.98	s.u.		F	#	-	-
pH	0126	WL		4/6/2021	(N)F			7.21	s.u.		F	#	-	-
pH	0127	WL		4/17/2018	(N)F			7.53	s.u.		F	#	-	-
pH	0127	WL		4/30/2019	(N)F			7.08	s.u.		F	#	-	-
pH	0127	WL		4/6/2021	(N)F			7.32	s.u.		F	#	-	-
pH	0135	WL		4/16/2018	(N)F			6.82	s.u.		F	#	-	-
pH	0135	WL		5/2/2019	(N)F			6.76	s.u.		F	#	-	-
pH	0135	WL		4/6/2021	(N)F			6.8	s.u.		F	#	-	-
pH	0136	WL		4/16/2018	(N)F			6.8	s.u.		F	#	-	-
pH	0136	WL		5/2/2019	(N)F			7.01	s.u.		F	#	-	-
pH	0136	WL		4/6/2021	(N)F			6.79	s.u.		F	#	-	-
pH	0160	WL		4/18/2018	(N)F			6.72	s.u.		F	#	-	-
pH	0160	WL		5/2/2019	(N)F			6.73	s.u.		F	#	-	-
pH	0160	WL		4/8/2021	(N)F			6.67	s.u.		F	#	-	-
pH	0161	WL		4/18/2018	(N)F			6.77	s.u.		F	#	-	-
pH	0161	WL		5/2/2019	(N)F			6.71	s.u.		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
pH	0161	WL		4/8/2021	(N)F			6.64	s.u.		F	#	-	-
pH	0181	WL		4/16/2018	(N)F			6.9	s.u.		F	#	-	-
pH	0181	WL		5/2/2019	(N)F			6.87	s.u.		F	#	-	-
pH	0181	WL		4/7/2021	(N)F			6.94	s.u.		F	#	-	-
pH	0183	WL		4/16/2018	(N)F			6.68	s.u.		F	#	-	-
pH	0183	WL		5/2/2019	(N)F			6.7	s.u.		F	#	-	-
pH	0183	WL		4/7/2021	(N)F			6.69	s.u.		F	#	-	-
pH	0186	WL		4/17/2018	(N)F			7.62	s.u.		F	#	-	-
pH	0186	WL		5/1/2019	(N)F			6.44	s.u.		F	#	-	-
pH	0186	WL		4/6/2021	(N)F			7.55	s.u.		F	#	-	-
pH	0187	WL		4/17/2018	(N)F			6.54	s.u.		F	#	-	-
pH	0187	WL		5/1/2019	(N)F			5.54	s.u.		F	#	-	-
pH	0187	WL		4/6/2021	(N)F			6.44	s.u.		F	#	-	-
pH	0188	WL		4/18/2018	(N)F			7.3	s.u.		F	#	-	-
pH	0188	WL		5/1/2019	(N)F			6.2	s.u.		F	#	-	-
pH	0188	WL		4/7/2021	(N)F			7.25	s.u.		F	#	-	-
pH	0189	WL		4/18/2018	(N)F			6.44	s.u.		FQ	#	-	-
pH	0189	WL		5/1/2019	(N)F			5.43	s.u.		FQ	#	-	-
pH	0189	WL		4/7/2021	(N)F			6.6	s.u.		FQ	#	-	-
Specific Conductance														
Specific Conductance	0002	WL		4/18/2018	(N)F			572	umhos/cm		F	#	-	-
Specific Conductance	0002	WL		5/1/2019	(N)F			576	umhos/cm		F	#	-	-
Specific Conductance	0002	WL		4/7/2021	(N)F			522	umhos/cm		F	#	-	-
Specific Conductance	0005	WL		4/17/2018	(N)F			582	umhos/cm		F	#	-	-
Specific Conductance	0005	WL		5/1/2019	(N)F			491	umhos/cm		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:16 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Specific Conductance	0005	WL		4/6/2021	(N)F			483.6	umhos/cm		F	#	-	-
Specific Conductance	0006	WL		4/16/2018	(N)F			2272	umhos/cm		F	#	-	-
Specific Conductance	0006	WL		5/1/2019	(N)F			2081	umhos/cm		F	#	-	-
Specific Conductance	0006	WL		4/6/2021	(N)F			1917	umhos/cm		F	#	-	-
Specific Conductance	0012R	WL		4/17/2018	(N)F			905	umhos/cm		F	#	-	-
Specific Conductance	0012R	WL		5/1/2019	(N)F			913	umhos/cm		F	#	-	-
Specific Conductance	0012R	WL		4/7/2021	(N)F			839	umhos/cm		F	#	-	-
Specific Conductance	0013	WL		4/17/2018	(N)F			657	umhos/cm		F	#	-	-
Specific Conductance	0013	WL		5/1/2019	(N)F			626	umhos/cm		F	#	-	-
Specific Conductance	0013	WL		4/7/2021	(N)F			685	umhos/cm		F	#	-	-
Specific Conductance	0062	WL		4/17/2018	(N)F			518	umhos/cm		F	#	-	-
Specific Conductance	0062	WL		4/30/2019	(N)F			485	umhos/cm		F	#	-	-
Specific Conductance	0062	WL		4/6/2021	(N)F			516	umhos/cm		F	#	-	-
Specific Conductance	0063	WL		4/17/2018	(N)F			572	umhos/cm		F	#	-	-
Specific Conductance	0063	WL		4/30/2019	(N)F			540	umhos/cm		F	#	-	-
Specific Conductance	0063	WL		4/6/2021	(N)F			570	umhos/cm		F	#	-	-
Specific Conductance	0064	WL		4/17/2018	(N)F			498	umhos/cm		F	#	-	-
Specific Conductance	0064	WL		5/2/2019	(N)F			467	umhos/cm		F	#	-	-
Specific Conductance	0064	WL		4/6/2021	(N)F			509	umhos/cm		F	#	-	-
Specific Conductance	0065	WL		4/18/2018	(N)F			647	umhos/cm		F	#	-	-
Specific Conductance	0065	WL		5/2/2019	(N)F			600	umhos/cm		F	#	-	-
Specific Conductance	0065	WL		4/7/2021	(N)F			629	umhos/cm		F	#	-	-
Specific Conductance	0066	WL		4/18/2018	(N)F			655	umhos/cm		F	#	-	-
Specific Conductance	0066	WL		5/2/2019	(N)F			583	umhos/cm		F	#	-	-
Specific Conductance	0066	WL		4/7/2021	(N)F			625	umhos/cm		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:16 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Specific Conductance	0102	WL		4/18/2018	(N)F			558	umhos/cm		F	#	-	-
Specific Conductance	0102	WL		5/1/2019	(N)F			550	umhos/cm		F	#	-	-
Specific Conductance	0102	WL		4/7/2021	(N)F			627	umhos/cm		F	#	-	-
Specific Conductance	0105	WL		4/17/2018	(N)F			505	umhos/cm		F	#	-	-
Specific Conductance	0105	WL		5/1/2019	(N)F			476	umhos/cm		F	#	-	-
Specific Conductance	0105	WL		4/6/2021	(N)F			504	umhos/cm		F	#	-	-
Specific Conductance	0106	WL		4/16/2018	(N)F			1709	umhos/cm		F	#	-	-
Specific Conductance	0106	WL		5/1/2019	(N)F			1460	umhos/cm		F	#	-	-
Specific Conductance	0106	WL		4/6/2021	(N)F			1535	umhos/cm		F	#	-	-
Specific Conductance	0112	WL		4/17/2018	(N)F			880	umhos/cm		F	#	-	-
Specific Conductance	0112	WL		5/1/2019	(N)F			931	umhos/cm		F	#	-	-
Specific Conductance	0112	WL		4/7/2021	(N)F			956	umhos/cm		F	#	-	-
Specific Conductance	0113	WL		4/17/2018	(N)F			701	umhos/cm		F	#	-	-
Specific Conductance	0113	WL		5/1/2019	(N)F			652	umhos/cm		F	#	-	-
Specific Conductance	0113	WL		4/7/2021	(N)F			694	umhos/cm		F	#	-	-
Specific Conductance	0125	WL		4/17/2018	(N)F			508	umhos/cm		F	#	-	-
Specific Conductance	0125	WL		4/30/2019	(N)F			531	umhos/cm		F	#	-	-
Specific Conductance	0125	WL		4/6/2021	(N)F			536	umhos/cm		F	#	-	-
Specific Conductance	0126	WL		4/17/2018	(N)F			659	umhos/cm		F	#	-	-
Specific Conductance	0126	WL		4/30/2019	(N)F			673	umhos/cm		F	#	-	-
Specific Conductance	0126	WL		4/6/2021	(N)F			706	umhos/cm		F	#	-	-
Specific Conductance	0127	WL		4/17/2018	(N)F			775	umhos/cm		F	#	-	-
Specific Conductance	0127	WL		4/30/2019	(N)F			733	umhos/cm		F	#	-	-
Specific Conductance	0127	WL		4/6/2021	(N)F			638	umhos/cm		F	#	-	-
Specific Conductance	0135	WL		4/16/2018	(N)F			485	umhos/cm		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:16 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Specific Conductance	0135	WL		5/2/2019	(N)F			464	umhos/cm		F	#	-	-
Specific Conductance	0135	WL		4/6/2021	(N)F			511	umhos/cm		F	#	-	-
Specific Conductance	0136	WL		4/16/2018	(N)F			492	umhos/cm		F	#	-	-
Specific Conductance	0136	WL		5/2/2019	(N)F			499	umhos/cm		F	#	-	-
Specific Conductance	0136	WL		4/6/2021	(N)F			530	umhos/cm		F	#	-	-
Specific Conductance	0160	WL		4/18/2018	(N)F			911	umhos/cm		F	#	-	-
Specific Conductance	0160	WL		5/2/2019	(N)F			743	umhos/cm		F	#	-	-
Specific Conductance	0160	WL		4/8/2021	(N)F			792	umhos/cm		F	#	-	-
Specific Conductance	0161	WL		4/18/2018	(N)F			877	umhos/cm		F	#	-	-
Specific Conductance	0161	WL		5/2/2019	(N)F			829	umhos/cm		F	#	-	-
Specific Conductance	0161	WL		4/8/2021	(N)F			915	umhos/cm		F	#	-	-
Specific Conductance	0181	WL		4/16/2018	(N)F			510	umhos/cm		F	#	-	-
Specific Conductance	0181	WL		5/2/2019	(N)F			471	umhos/cm		F	#	-	-
Specific Conductance	0181	WL		4/7/2021	(N)F			508	umhos/cm		F	#	-	-
Specific Conductance	0183	WL		4/16/2018	(N)F			1111	umhos/cm		F	#	-	-
Specific Conductance	0183	WL		5/2/2019	(N)F			1026	umhos/cm		F	#	-	-
Specific Conductance	0183	WL		4/7/2021	(N)F			1053	umhos/cm		F	#	-	-
Specific Conductance	0186	WL		4/17/2018	(N)F			692	umhos/cm		F	#	-	-
Specific Conductance	0186	WL		5/1/2019	(N)F			653	umhos/cm		F	#	-	-
Specific Conductance	0186	WL		4/6/2021	(N)F			695	umhos/cm		F	#	-	-
Specific Conductance	0187	WL		4/17/2018	(N)F			1254	umhos/cm		F	#	-	-
Specific Conductance	0187	WL		5/1/2019	(N)F			1190	umhos/cm		F	#	-	-
Specific Conductance	0187	WL		4/6/2021	(N)F			1295	umhos/cm		F	#	-	-
Specific Conductance	0188	WL		4/18/2018	(N)F			666	umhos/cm		F	#	-	-
Specific Conductance	0188	WL		5/1/2019	(N)F			626	umhos/cm		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:16 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Specific Conductance	0188	WL		4/7/2021	(N)F			676	umhos/cm		F	#	-	-
Specific Conductance	0189	WL		4/18/2018	(N)F			2150	umhos/cm		FQ	#	-	-
Specific Conductance	0189	WL		5/1/2019	(N)F			1980	umhos/cm		FQ	#	-	-
Specific Conductance	0189	WL		4/7/2021	(N)F			1161	umhos/cm		FQ	#	-	-
Temperature														
Temperature	0002	WL		4/18/2018	(N)F			6.59	C		F	#	-	-
Temperature	0002	WL		5/1/2019	(N)F			6.94	C		F	#	-	-
Temperature	0002	WL		4/7/2021	(N)F			7.33	C		F	#	-	-
Temperature	0005	WL		4/17/2018	(N)F			5.18	C		F	#	-	-
Temperature	0005	WL		5/1/2019	(N)F			6.3	C		F	#	-	-
Temperature	0005	WL		4/6/2021	(N)F			6.377	C		F	#	-	-
Temperature	0006	WL		4/16/2018	(N)F			6.68	C		F	#	-	-
Temperature	0006	WL		5/1/2019	(N)F			7.06	C		F	#	-	-
Temperature	0006	WL		4/6/2021	(N)F			6.919	C		F	#	-	-
Temperature	0012R	WL		4/17/2018	(N)F			8.09	C		F	#	-	-
Temperature	0012R	WL		5/1/2019	(N)F			6.51	C		F	#	-	-
Temperature	0012R	WL		4/7/2021	(N)F			7.599	C		F	#	-	-
Temperature	0013	WL		4/17/2018	(N)F			6.85	C		F	#	-	-
Temperature	0013	WL		5/1/2019	(N)F			6.76	C		F	#	-	-
Temperature	0013	WL		4/7/2021	(N)F			9.308	C		F	#	-	-
Temperature	0062	WL		4/17/2018	(N)F			7.11	C		F	#	-	-
Temperature	0062	WL		4/30/2019	(N)F			8.61	C		F	#	-	-
Temperature	0062	WL		4/6/2021	(N)F			8.461	C		F	#	-	-
Temperature	0063	WL		4/17/2018	(N)F			7.35	C		F	#	-	-
Temperature	0063	WL		4/30/2019	(N)F			8.72	C		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:17 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Temperature	0063	WL		4/6/2021	(N)F			8.788	C		F	#	-	-
Temperature	0064	WL		4/17/2018	(N)F			7.15	C		F	#	-	-
Temperature	0064	WL		5/2/2019	(N)F			8.71	C		F	#	-	-
Temperature	0064	WL		4/6/2021	(N)F			7.798	C		F	#	-	-
Temperature	0065	WL		4/18/2018	(N)F			8.38	C		F	#	-	-
Temperature	0065	WL		5/2/2019	(N)F			7.75	C		F	#	-	-
Temperature	0065	WL		4/7/2021	(N)F			9.57	C		F	#	-	-
Temperature	0066	WL		4/18/2018	(N)F			8.44	C		F	#	-	-
Temperature	0066	WL		5/2/2019	(N)F			7.01	C		F	#	-	-
Temperature	0066	WL		4/7/2021	(N)F			8.96	C		F	#	-	-
Temperature	0102	WL		4/18/2018	(N)F			8.13	C		F	#	-	-
Temperature	0102	WL		5/1/2019	(N)F			8.23	C		F	#	-	-
Temperature	0102	WL		4/7/2021	(N)F			9.423	C		F	#	-	-
Temperature	0105	WL		4/17/2018	(N)F			6.96	C		F	#	-	-
Temperature	0105	WL		5/1/2019	(N)F			8.28	C		F	#	-	-
Temperature	0105	WL		4/6/2021	(N)F			8.74	C		F	#	-	-
Temperature	0106	WL		4/16/2018	(N)F			8.86	C		F	#	-	-
Temperature	0106	WL		5/1/2019	(N)F			9.27	C		F	#	-	-
Temperature	0106	WL		4/6/2021	(N)F			8.999	C		F	#	-	-
Temperature	0112	WL		4/17/2018	(N)F			9.23	C		F	#	-	-
Temperature	0112	WL		5/1/2019	(N)F			8.37	C		F	#	-	-
Temperature	0112	WL		4/7/2021	(N)F			9.253	C		F	#	-	-
Temperature	0113	WL		4/17/2018	(N)F			8.81	C		F	#	-	-
Temperature	0113	WL		5/1/2019	(N)F			8.74	C		F	#	-	-
Temperature	0113	WL		4/7/2021	(N)F			11.815	C		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:17 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Temperature	0125	WL		4/17/2018	(N)F			6.71	C		F	#	-	-
Temperature	0125	WL		4/30/2019	(N)F			6.78	C		F	#	-	-
Temperature	0125	WL		4/6/2021	(N)F			6.83	C		F	#	-	-
Temperature	0126	WL		4/17/2018	(N)F			7.58	C		F	#	-	-
Temperature	0126	WL		4/30/2019	(N)F			8.38	C		F	#	-	-
Temperature	0126	WL		4/6/2021	(N)F			8.488	C		F	#	-	-
Temperature	0127	WL		4/17/2018	(N)F			7.51	C		F	#	-	-
Temperature	0127	WL		4/30/2019	(N)F			8.16	C		F	#	-	-
Temperature	0127	WL		4/6/2021	(N)F			8.82	C		F	#	-	-
Temperature	0135	WL		4/16/2018	(N)F			5.8	C		F	#	-	-
Temperature	0135	WL		5/2/2019	(N)F			6.24	C		F	#	-	-
Temperature	0135	WL		4/6/2021	(N)F			5.403	C		F	#	-	-
Temperature	0136	WL		4/16/2018	(N)F			5.04	C		F	#	-	-
Temperature	0136	WL		5/2/2019	(N)F			6.84	C		F	#	-	-
Temperature	0136	WL		4/6/2021	(N)F			5.823	C		F	#	-	-
Temperature	0160	WL		4/18/2018	(N)F			6.82	C		F	#	-	-
Temperature	0160	WL		5/2/2019	(N)F			7.22	C		F	#	-	-
Temperature	0160	WL		4/8/2021	(N)F			6.027	C		F	#	-	-
Temperature	0161	WL		4/18/2018	(N)F			7.3	C		F	#	-	-
Temperature	0161	WL		5/2/2019	(N)F			7.67	C		F	#	-	-
Temperature	0161	WL		4/8/2021	(N)F			6.384	C		F	#	-	-
Temperature	0181	WL		4/16/2018	(N)F			6.18	C		F	#	-	-
Temperature	0181	WL		5/2/2019	(N)F			5.43	C		F	#	-	-
Temperature	0181	WL		4/7/2021	(N)F			6.69	C		F	#	-	-
Temperature	0183	WL		4/16/2018	(N)F			8.03	C		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:17 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Temperature	0183	WL		5/2/2019	(N)F			6.92	C		F	#	-	-
Temperature	0183	WL		4/7/2021	(N)F			8.35	C		F	#	-	-
Temperature	0186	WL		4/17/2018	(N)F			6.47	C		F	#	-	-
Temperature	0186	WL		5/1/2019	(N)F			7.98	C		F	#	-	-
Temperature	0186	WL		4/6/2021	(N)F			7.858	C		F	#	-	-
Temperature	0187	WL		4/17/2018	(N)F			6.7	C		F	#	-	-
Temperature	0187	WL		5/1/2019	(N)F			7.8	C		F	#	-	-
Temperature	0187	WL		4/6/2021	(N)F			8.135	C		F	#	-	-
Temperature	0188	WL		4/18/2018	(N)F			5.86	C		F	#	-	-
Temperature	0188	WL		5/1/2019	(N)F			6.46	C		F	#	-	-
Temperature	0188	WL		4/7/2021	(N)F			6.49	C		F	#	-	-
Temperature	0189	WL		4/18/2018	(N)F			4.67	C		FQ	#	-	-
Temperature	0189	WL		5/1/2019	(N)F			5.86	C		FQ	#	-	-
Temperature	0189	WL		4/7/2021	(N)F			5.994	C		FQ	#	-	-
Turbidity														
Turbidity	0002	WL		4/18/2018	(N)F			0.56	NTU		F	#	-	-
Turbidity	0002	WL		5/1/2019	(N)F			0.68	NTU		F	#	-	-
Turbidity	0002	WL		4/7/2021	(N)F			0.15	NTU		F	#	-	-
Turbidity	0005	WL		4/17/2018	(N)F			8.21	NTU		F	#	-	-
Turbidity	0005	WL		5/1/2019	(N)F			6.69	NTU		F	#	-	-
Turbidity	0005	WL		4/6/2021	(N)F			9.69	NTU		F	#	-	-
Turbidity	0006	WL		4/16/2018	(N)F			3.46	NTU		F	#	-	-
Turbidity	0006	WL		5/1/2019	(N)F			0.75	NTU		F	#	-	-
Turbidity	0006	WL		4/6/2021	(N)F			5.01	NTU		F	#	-	-
Turbidity	0012R	WL		4/17/2018	(N)F			9.94	NTU		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:17 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Turbidity	0012R	WL		5/1/2019	(N)F			8.46	NTU		F	#	-	-
Turbidity	0012R	WL		4/7/2021	(N)F			6.36	NTU		F	#	-	-
Turbidity	0013	WL		4/17/2018	(N)F			2.08	NTU		F	#	-	-
Turbidity	0013	WL		5/1/2019	(N)F			0.45	NTU		F	#	-	-
Turbidity	0013	WL		4/7/2021	(N)F			1	NTU		F	#	-	-
Turbidity	0062	WL		4/17/2018	(N)F			2.93	NTU		F	#	-	-
Turbidity	0062	WL		4/30/2019	(N)F			4.31	NTU		F	#	-	-
Turbidity	0062	WL		4/6/2021	(N)F			1.54	NTU		F	#	-	-
Turbidity	0063	WL		4/17/2018	(N)F			1.56	NTU		F	#	-	-
Turbidity	0063	WL		4/30/2019	(N)F			0.41	NTU		F	#	-	-
Turbidity	0063	WL		4/6/2021	(N)F			0.69	NTU		F	#	-	-
Turbidity	0064	WL		4/17/2018	(N)F			5.38	NTU		F	#	-	-
Turbidity	0064	WL		5/2/2019	(N)F			4.43	NTU		F	#	-	-
Turbidity	0064	WL		4/6/2021	(N)F			9.17	NTU		F	#	-	-
Turbidity	0065	WL		4/18/2018	(N)F			2.45	NTU		F	#	-	-
Turbidity	0065	WL		5/2/2019	(N)F			1.3	NTU		F	#	-	-
Turbidity	0065	WL		4/7/2021	(N)F			0.84	NTU		F	#	-	-
Turbidity	0066	WL		4/18/2018	(N)F			0.87	NTU		F	#	-	-
Turbidity	0066	WL		5/2/2019	(N)F			5.84	NTU		F	#	-	-
Turbidity	0066	WL		4/7/2021	(N)F			0.44	NTU		F	#	-	-
Turbidity	0102	WL		4/18/2018	(N)F			0.44	NTU		F	#	-	-
Turbidity	0102	WL		5/1/2019	(N)F			0.31	NTU		F	#	-	-
Turbidity	0102	WL		4/7/2021	(N)F			6.26	NTU		F	#	-	-
Turbidity	0105	WL		4/17/2018	(N)F			2.22	NTU		F	#	-	-
Turbidity	0105	WL		5/1/2019	(N)F			2.51	NTU		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:18 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Turbidity	0105	WL		4/6/2021	(N)F			6.98	NTU		F	#	-	-
Turbidity	0106	WL		4/16/2018	(N)F			2.52	NTU		F	#	-	-
Turbidity	0106	WL		5/1/2019	(N)F			0.77	NTU		F	#	-	-
Turbidity	0106	WL		4/6/2021	(N)F			1.27	NTU		F	#	-	-
Turbidity	0112	WL		4/17/2018	(N)F			6.63	NTU		F	#	-	-
Turbidity	0112	WL		5/1/2019	(N)F			30.1	NTU		F	#	-	-
Turbidity	0112	WL		4/7/2021	(N)F			8.37	NTU		F	#	-	-
Turbidity	0113	WL		4/17/2018	(N)F			2.07	NTU		F	#	-	-
Turbidity	0113	WL		5/1/2019	(N)F			1.15	NTU		F	#	-	-
Turbidity	0113	WL		4/7/2021	(N)F			1.92	NTU		F	#	-	-
Turbidity	0125	WL		4/17/2018	(N)F			1.36	NTU		F	#	-	-
Turbidity	0125	WL		4/30/2019	(N)F			1.29	NTU		F	#	-	-
Turbidity	0125	WL		4/6/2021	(N)F			0.72	NTU		F	#	-	-
Turbidity	0126	WL		4/17/2018	(N)F			1.02	NTU		F	#	-	-
Turbidity	0126	WL		4/30/2019	(N)F			1	NTU		F	#	-	-
Turbidity	0126	WL		4/6/2021	(N)F			0.75	NTU		F	#	-	-
Turbidity	0127	WL		4/17/2018	(N)F			1.94	NTU		F	#	-	-
Turbidity	0127	WL		4/30/2019	(N)F			0.67	NTU		F	#	-	-
Turbidity	0127	WL		4/6/2021	(N)F			0.69	NTU		F	#	-	-
Turbidity	0135	WL		4/16/2018	(N)F			9.28	NTU		F	#	-	-
Turbidity	0135	WL		5/2/2019	(N)F			0.89	NTU		F	#	-	-
Turbidity	0135	WL		4/6/2021	(N)F			0.89	NTU		F	#	-	-
Turbidity	0136	WL		4/16/2018	(N)F			3.03	NTU		F	#	-	-
Turbidity	0136	WL		5/2/2019	(N)F			1.9	NTU		F	#	-	-
Turbidity	0136	WL		4/6/2021	(N)F			6.51	NTU		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:18 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Turbidity	0160	WL		4/18/2018	(N)F			1.56	NTU		F	#	-	-
Turbidity	0160	WL		5/2/2019	(N)F			5.78	NTU		F	#	-	-
Turbidity	0160	WL		4/8/2021	(N)F			28	NTU		F	#	-	-
Turbidity	0161	WL		4/18/2018	(N)F			7.83	NTU		F	#	-	-
Turbidity	0161	WL		5/2/2019	(N)F			0.67	NTU		F	#	-	-
Turbidity	0161	WL		4/8/2021	(N)F			1.46	NTU		F	#	-	-
Turbidity	0181	WL		4/16/2018	(N)F			1.28	NTU		F	#	-	-
Turbidity	0181	WL		5/2/2019	(N)F			0.43	NTU		F	#	-	-
Turbidity	0181	WL		4/7/2021	(N)F			0.14	NTU		F	#	-	-
Turbidity	0183	WL		4/16/2018	(N)F			1.91	NTU		F	#	-	-
Turbidity	0183	WL		5/2/2019	(N)F			0.34	NTU		F	#	-	-
Turbidity	0183	WL		4/7/2021	(N)F			0.56	NTU		F	#	-	-
Turbidity	0186	WL		4/17/2018	(N)F			1.81	NTU		F	#	-	-
Turbidity	0186	WL		5/1/2019	(N)F			0.16	NTU		F	#	-	-
Turbidity	0186	WL		4/6/2021	(N)F			0.36	NTU		F	#	-	-
Turbidity	0187	WL		4/17/2018	(N)F			1.31	NTU		F	#	-	-
Turbidity	0187	WL		5/1/2019	(N)F			0.55	NTU		F	#	-	-
Turbidity	0187	WL		4/6/2021	(N)F			0.68	NTU		F	#	-	-
Turbidity	0188	WL		4/18/2018	(N)F			0.38	NTU		F	#	-	-
Turbidity	0188	WL		5/1/2019	(N)F			0.43	NTU		F	#	-	-
Turbidity	0188	WL		4/7/2021	(N)F			0.59	NTU		F	#	-	-
Turbidity	0189	WL		4/18/2018	(N)F			4.19	NTU		FQ	#	-	-
Turbidity	0189	WL		5/1/2019	(N)F			4.2	NTU		FQ	#	-	-
Turbidity	0189	WL		4/7/2021	(N)F			3.13	NTU		FQ	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:18 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Uranium														
Uranium	0002	WL		4/18/2018	(T)F			0.00258	mg/L		F	#	0.00003	-
Uranium	0002	WL		5/1/2019	(T)F			0.0029	mg/L		F	#	0	-
Uranium	0002	WL		4/7/2021	(T)F			0.0024	mg/L		F	#	0.00004	-
Uranium	0005	WL		4/17/2018	(T)F			0.0445	mg/L	D	F	#	0.00025	-
Uranium	0005	WL		5/1/2019	(T)F			0.038	mg/L		F	#	0	-
Uranium	0005	WL		4/6/2021	(T)F			0.035	mg/L		F	#	0.00004	-
Uranium	0006	WL		4/16/2018	(T)F			0.641	mg/L	D	F	#	0.00025	-
Uranium	0006	WL		5/1/2019	(T)F			0.73	mg/L		F	#	0.00005	-
Uranium	0006	WL		5/1/2019	(T)D			0.73	mg/L		F	#	0.00005	-
Uranium	0006	WL		4/6/2021	(T)F			0.61	mg/L		F	#	0.00004	-
Uranium	0012R	WL		4/17/2018	(T)F			0.173	mg/L	D	F	#	0.00025	-
Uranium	0012R	WL		5/1/2019	(T)F			0.24	mg/L		F	#	0.00005	-
Uranium	0012R	WL		5/1/2019	(T)D			0.22	mg/L		F	#	0.00005	-
Uranium	0012R	WL		4/7/2021	(T)F			0.19	mg/L		F	#	0.00004	-
Uranium	0012R	WL		4/7/2021	(T)D			0.2	mg/L		F	#	0.00004	-
Uranium	0013	WL		4/17/2018	(T)F			0.0542	mg/L		F	#	0.00003	-
Uranium	0013	WL		5/1/2019	(T)F			0.046	mg/L		F	#	0	-
Uranium	0013	WL		4/7/2021	(T)D			0.047	mg/L		F	#	0.00004	-
Uranium	0013	WL		4/7/2021	(T)F			0.042	mg/L		F	#	0.00004	-
Uranium	0062	WL		4/17/2018	(T)F			0.00688	mg/L		F	#	0.00003	-
Uranium	0062	WL		4/30/2019	(T)F			0.0071	mg/L		F	#	0	-
Uranium	0062	WL		4/6/2021	(T)F			0.0067	mg/L		F	#	0.00004	-
Uranium	0063	WL		4/17/2018	(T)F			0.0152	mg/L		F	#	0.00003	-
Uranium	0063	WL		4/30/2019	(T)F			0.016	mg/L		F	#	0	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:18 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Uranium	0063	WL		4/6/2021	(T)F			0.016	mg/L		F	#	0.00004	-
Uranium	0064	WL		4/17/2018	(T)F			0.0102	mg/L		F	#	0.00003	-
Uranium	0064	WL		5/2/2019	(T)F			0.011	mg/L		F	#	0	-
Uranium	0064	WL		4/6/2021	(T)F			0.012	mg/L		F	#	0.00004	-
Uranium	0065	WL		4/18/2018	(T)F			0.0198	mg/L		F	#	0.00003	-
Uranium	0065	WL		5/2/2019	(T)F			0.02	mg/L		F	#	0	-
Uranium	0065	WL		4/7/2021	(T)F			0.019	mg/L		F	#	0.00004	-
Uranium	0066	WL		4/18/2018	(T)F			0.0198	mg/L		F	#	0.00003	-
Uranium	0066	WL		5/2/2019	(T)F			0.019	mg/L		F	#	0	-
Uranium	0066	WL		4/7/2021	(T)F			0.02	mg/L		F	#	0.00004	-
Uranium	0102	WL		4/18/2018	(T)F			0.00353	mg/L		F	#	0.00003	-
Uranium	0102	WL		5/1/2019	(T)F			0.0038	mg/L		F	#	0	-
Uranium	0102	WL		4/7/2021	(T)F			0.0039	mg/L		F	#	0.00004	-
Uranium	0105	WL		4/17/2018	(T)F			0.0116	mg/L		F	#	0.00003	-
Uranium	0105	WL		5/1/2019	(T)F			0.012	mg/L		F	#	0	-
Uranium	0105	WL		4/6/2021	(T)F			0.012	mg/L		F	#	0.00004	-
Uranium	0106	WL		4/16/2018	(T)F			0.073	mg/L	D	F	#	0.00025	-
Uranium	0106	WL		5/1/2019	(T)F			0.082	mg/L		F	#	0	-
Uranium	0106	WL		4/6/2021	(T)F			0.13	mg/L		F	#	0.00004	-
Uranium	0112	WL		4/17/2018	(T)F			0.062	mg/L		F	#	0.00003	-
Uranium	0112	WL		5/1/2019	(D)F			0.092	mg/L		F	#	0.00005	-
Uranium	0112	WL		4/7/2021	(T)F			0.11	mg/L		F	#	0.00004	-
Uranium	0113	WL		4/17/2018	(T)D			0.154	mg/L	D	F	#	0.00025	-
Uranium	0113	WL		4/17/2018	(T)F			0.137	mg/L	D	F	#	0.00025	-
Uranium	0113	WL		5/1/2019	(T)F			0.15	mg/L		F	#	0.00005	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Uranium	0113	WL		4/7/2021	(T)F			0.15	mg/L		F	#	0.00004	-
Uranium	0125	WL		4/17/2018	(T)F			0.00901	mg/L		F	#	0.00003	-
Uranium	0125	WL		4/30/2019	(T)F			0.01	mg/L		F	#	0	-
Uranium	0125	WL		4/6/2021	(T)F			0.011	mg/L		F	#	0.00004	-
Uranium	0126	WL		4/17/2018	(T)F			0.0102	mg/L		F	#	0.00003	-
Uranium	0126	WL		4/30/2019	(T)F			0.011	mg/L		F	#	0	-
Uranium	0126	WL		4/6/2021	(T)F			0.012	mg/L		F	#	0.00004	-
Uranium	0127	WL		4/17/2018	(T)F			0.0137	mg/L		F	#	0.00003	-
Uranium	0127	WL		4/30/2019	(T)F			0.015	mg/L		F	#	0	-
Uranium	0127	WL		4/6/2021	(T)F			0.015	mg/L		F	#	0.00004	-
Uranium	0135	WL		4/16/2018	(T)F			0.00278	mg/L		F	#	0.00003	-
Uranium	0135	WL		5/2/2019	(T)F			0.003	mg/L		F	#	0	-
Uranium	0135	WL		4/6/2021	(T)F			0.003	mg/L		F	#	0.00004	-
Uranium	0136	WL		4/16/2018	(T)F			0.00293	mg/L		F	#	0.00003	-
Uranium	0136	WL		5/2/2019	(T)F			0.0033	mg/L		F	#	0	-
Uranium	0136	WL		4/6/2021	(T)F			0.003	mg/L		F	#	0.00004	-
Uranium	0160	WL		4/18/2018	(T)F			0.0275	mg/L		F	#	0.00003	-
Uranium	0160	WL		5/2/2019	(T)F			0.021	mg/L		F	#	0	-
Uranium	0160	WL		4/8/2021	(D)F			0.023	mg/L		F	#	0.00004	-
Uranium	0161	WL		4/18/2018	(T)F			0.021	mg/L		F	#	0.00003	-
Uranium	0161	WL		5/2/2019	(T)F			0.021	mg/L		F	#	0	-
Uranium	0161	WL		4/8/2021	(T)F			0.023	mg/L		F	#	0.00004	-
Uranium	0181	WL		4/16/2018	(T)F			0.00756	mg/L		F	#	0.00003	-
Uranium	0181	WL		5/2/2019	(T)F			0.0071	mg/L		F	#	0	-
Uranium	0181	WL		4/7/2021	(T)F			0.0081	mg/L		F	#	0.00004	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:19 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Uranium	0183	WL		4/16/2018	(T)F			0.046	mg/L		F	#	0.00003	-
Uranium	0183	WL		5/2/2019	(T)F			0.046	mg/L		F	#	0	-
Uranium	0183	WL		4/7/2021	(T)F			0.044	mg/L		F	#	0.00004	-
Uranium	0186	WL		4/17/2018	(T)F			0.0159	mg/L		F	#	0.00003	-
Uranium	0186	WL		5/1/2019	(T)F			0.016	mg/L		F	#	0	-
Uranium	0186	WL		4/6/2021	(T)F			0.016	mg/L		F	#	0.00004	-
Uranium	0187	WL		4/17/2018	(T)F			0.0299	mg/L		F	#	0.00003	-
Uranium	0187	WL		5/1/2019	(T)F			0.028	mg/L		F	#	0	-
Uranium	0187	WL		4/6/2021	(T)F			0.032	mg/L		F	#	0.00004	-
Uranium	0188	WL		4/18/2018	(T)F			0.0223	mg/L		F	#	0.00003	-
Uranium	0188	WL		5/1/2019	(T)F			0.025	mg/L		F	#	0	-
Uranium	0188	WL		4/7/2021	(T)F			0.025	mg/L		F	#	0.00004	-
Uranium	0189	WL		4/18/2018	(T)F			0.0161	mg/L		FQ	#	0.00003	-
Uranium	0189	WL		5/1/2019	(T)F			0.015	mg/L		FQ	#	0	-
Uranium	0189	WL		4/7/2021	(T)F			0.0085	mg/L		FQ	#	0.00004	-

LOCATION TYPE:

WL	WELL

LOCATION SUBTYPES:

DATA QUALIFIERS:

F	Low flow sampling method used.
G	Possible grout contamination, pH > 9.
J	Estimated Value.
L	Less than 3 bore volumes purged prior to sampling.
N	Tentatively identified compound (TIC).

Q	Qualitative result due to sampling technique
R	Unusable result.
U	Parameter analyzed for but was not detected.
X	Location is undefined.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated Value.
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
S	Result determined by method of standard addition (MSA).
U	Parameter analyzed for but was not detected.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X	Laboratory defined qualifier, see case narrative.
Y	Laboratory defined qualifier, see case narrative.
Z	Laboratory defined qualifier, see case narrative.

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:28:19 PM

SAMPLE TYPES:

Fraction:
(T) Total (for metal concentrations)
(D) Dissolved (for dissolved or filtered metal concentrations)
(N) Organic (or other) constituents for which neither total nor dissolved is applicable

Type Codes:
F-Field Sample R-Replicate FR-Field Sample with Replicates
D-Duplicate N-Not Known S-Split Sample

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

Attachment 3

Surface Water Quality Data by Parameter

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SURFACE WATER QUALITY DATA BY PARAMETER (EQuIS800) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:23:10 PM

PARAMETER	LOCATION CODE	SAMPLE DATE	SAMPLE TYPE	RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECT. LIMIT	UNCERTAINTY
Manganese										
Manganese	0248	4/17/2018	(T)F	0.119	mg/L			#	0.0001	-
Manganese	0248	5/2/2019	(T)F	0.1	mg/L			#	0.00049	-
Manganese	0248	7/7/2020	(T)F	0.085	mg/L			#	0.00074	-
Manganese	0248	4/6/2021	(D)F	0.099	mg/L			#	0.00074	-
Manganese	0250	4/18/2018	(T)F	0.0218	mg/L			#	0.0001	-
Manganese	0250	5/2/2019	(D)F	0.032	mg/L			#	0.00049	-
Manganese	0250	7/7/2020	(T)F	0.045	mg/L			#	0.00074	-
Manganese	0250	7/7/2020	(T)D	0.039	mg/L			#	0.00074	-
Manganese	0250	4/7/2021	(T)F	0.054	mg/L			#	0.00074	-
Manganese	0251	4/16/2018	(T)F	0.0244	mg/L			#	0.0001	-
Manganese	0251	5/2/2019	(T)F	0.049	mg/L			#	0.00049	-
Manganese	0251	7/7/2020	(T)F	0.035	mg/L			#	0.00074	-
Manganese	0251	4/6/2021	(T)F	0.056	mg/L			#	0.00074	-
Manganese	0777	4/18/2018	(T)F	0.193	mg/L			#	0.0001	-
Manganese	0777	5/2/2019	(D)F	0.042	mg/L			#	0.00049	-
Manganese	0777	7/7/2020	(T)F	0.074	mg/L			#	0.00074	-
Manganese	0777	4/7/2021	(D)F	0.075	mg/L			#	0.00074	-
Manganese	0780	4/17/2018	(T)F	0.0249	mg/L			#	0.0001	-
Manganese	0780	5/1/2019	(T)F	0.032	mg/L			#	0.00049	-
Manganese	0780	7/7/2020	(T)F	0.027	mg/L			#	0.00074	-
Manganese	0780	4/7/2021	(T)F	0.029	mg/L			#	0.00074	-
Manganese	0780	4/7/2021	(T)D	0.03	mg/L			#	0.00074	-
Manganese	0795	4/18/2018	(T)F	0.0292	mg/L			#	0.0001	-
Manganese	0795	5/2/2019	(T)F	0.044	mg/L			#	0.00049	-
Manganese	0795	7/7/2020	(T)F	0.027	mg/L			#	0.00074	-
Manganese	0795	4/8/2021	(T)F	0.042	mg/L			#	0.00074	-
Oxidation Reduction Potential										
Oxidation Reduction Potential	0248	4/17/2018	(N)F	132	mV			#	-	-
Oxidation Reduction Potential	0248	5/2/2019	(N)F	91.7	mV			#	-	-
Oxidation Reduction Potential	0248	7/7/2020	(N)F	237.6	mV			#	-	-
Oxidation Reduction Potential	0248	4/6/2021	(N)F	75	mV			#	-	-
Oxidation Reduction Potential	0250	4/18/2018	(N)F	68.2	mV			#	-	-
Oxidation Reduction Potential	0250	5/2/2019	(N)F	223.8	mV			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (EQuIS800) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:23:10 PM

PARAMETER	LOCATION CODE	SAMPLE DATE	SAMPLE TYPE	RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECT. LIMIT	UNCERTAINTY
Oxidation Reduction Potential	0250	7/7/2020	(N)F	190.6	mV			#	-	-
Oxidation Reduction Potential	0250	4/7/2021	(N)F	73	mV			#	-	-
Oxidation Reduction Potential	0251	4/16/2018	(N)F	108	mV			#	-	-
Oxidation Reduction Potential	0251	5/2/2019	(N)F	184.2	mV			#	-	-
Oxidation Reduction Potential	0251	7/7/2020	(N)F	181.1	mV			#	-	-
Oxidation Reduction Potential	0251	4/6/2021	(N)F	135	mV			#	-	-
Oxidation Reduction Potential	0777	4/18/2018	(N)F	94	mV			#	-	-
Oxidation Reduction Potential	0777	5/2/2019	(N)F	179.9	mV			#	-	-
Oxidation Reduction Potential	0777	7/7/2020	(N)F	192.2	mV			#	-	-
Oxidation Reduction Potential	0777	4/7/2021	(N)F	83	mV			#	-	-
Oxidation Reduction Potential	0780	4/17/2018	(N)F	76.3	mV			#	-	-
Oxidation Reduction Potential	0780	5/1/2019	(N)F	204.5	mV			#	-	-
Oxidation Reduction Potential	0780	7/7/2020	(N)F	211.5	mV			#	-	-
Oxidation Reduction Potential	0780	4/7/2021	(N)F	54	mV			#	-	-
Oxidation Reduction Potential	0795	4/18/2018	(N)F	90.3	mV			#	-	-
Oxidation Reduction Potential	0795	5/2/2019	(N)F	126.7	mV			#	-	-
Oxidation Reduction Potential	0795	7/7/2020	(N)F	204.4	mV			#	-	-
Oxidation Reduction Potential	0795	4/8/2021	(N)F	126	mV			#	-	-
pH										
pH	0248	4/17/2018	(N)F	8.28	s.u.			#	-	-
pH	0248	5/2/2019	(N)F	8.03	s.u.			#	-	-
pH	0248	7/7/2020	(N)F	6.76	s.u.			#	-	-
pH	0248	4/6/2021	(N)F	8.06	s.u.			#	-	-
pH	0250	4/18/2018	(N)F	8.46	s.u.			#	-	-
pH	0250	5/2/2019	(N)F	7.44	s.u.			#	-	-
pH	0250	7/7/2020	(N)F	8.36	s.u.			#	-	-
pH	0250	4/7/2021	(N)F	8.41	s.u.			#	-	-
pH	0251	4/16/2018	(N)F	8.86	s.u.			#	-	-
pH	0251	5/2/2019	(N)F	7.99	s.u.			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (EQuIS800) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:23:10 PM

PARAMETER	LOCATION CODE	SAMPLE DATE	SAMPLE TYPE	RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECT. LIMIT	UNCERTAINTY
pH	0251	7/7/2020	(N)F	7.78	s.u.			#	-	-
pH	0251	4/6/2021	(N)F	8.51	s.u.			#	-	-
pH	0777	4/18/2018	(N)F	8.35	s.u.			#	-	-
pH	0777	5/2/2019	(N)F	7.74	s.u.			#	-	-
pH	0777	7/7/2020	(N)F	8.17	s.u.			#	-	-
pH	0777	4/7/2021	(N)F	8.22	s.u.			#	-	-
pH	0780	4/17/2018	(N)F	8.42	s.u.			#	-	-
pH	0780	5/1/2019	(N)F	7.27	s.u.			#	-	-
pH	0780	7/7/2020	(N)F	8.01	s.u.			#	-	-
pH	0780	4/7/2021	(N)F	8.23	s.u.			#	-	-
pH	0795	4/18/2018	(N)F	8.5	s.u.			#	-	-
pH	0795	5/2/2019	(N)F	7.81	s.u.			#	-	-
pH	0795	7/7/2020	(N)F	8	s.u.			#	-	-
pH	0795	4/8/2021	(N)F	8.4	s.u.			#	-	-
Specific Conductance										
Specific Conductance	0248	4/17/2018	(N)F	314	umhos/cm			#	-	-
Specific Conductance	0248	5/2/2019	(N)F	302	umhos/cm			#	-	-
Specific Conductance	0248	7/7/2020	(N)F	421	umhos/cm			#	-	-
Specific Conductance	0248	4/6/2021	(N)F	275.2	umhos/cm			#	-	-
Specific Conductance	0250	4/18/2018	(N)F	217	umhos/cm			#	-	-
Specific Conductance	0250	5/2/2019	(N)F	245	umhos/cm			#	-	-
Specific Conductance	0250	7/7/2020	(N)F	248	umhos/cm			#	-	-
Specific Conductance	0250	4/7/2021	(N)F	241.5	umhos/cm			#	-	-
Specific Conductance	0251	4/16/2018	(N)F	233	umhos/cm			#	-	-
Specific Conductance	0251	5/2/2019	(N)F	198	umhos/cm			#	-	-
Specific Conductance	0251	7/7/2020	(N)F	253	umhos/cm			#	-	-
Specific Conductance	0251	4/6/2021	(N)F	236	umhos/cm			#	-	-
Specific Conductance	0777	4/18/2018	(N)F	308	umhos/cm			#	-	-
Specific Conductance	0777	5/2/2019	(N)F	227	umhos/cm			#	-	-
Specific Conductance	0777	7/7/2020	(N)F	355	umhos/cm			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (EQuIS800) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:23:11 PM

PARAMETER	LOCATION CODE	SAMPLE DATE	SAMPLE TYPE	RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECT. LIMIT	UNCERTAINTY
Specific Conductance	0777	4/7/2021	(N)F	230.2	umhos/cm			#	-	-
Specific Conductance	0780	4/17/2018	(N)F	578	umhos/cm			#	-	-
Specific Conductance	0780	5/1/2019	(N)F	560	umhos/cm			#	-	-
Specific Conductance	0780	7/7/2020	(N)F	604	umhos/cm			#	-	-
Specific Conductance	0780	4/7/2021	(N)F	551	umhos/cm			#	-	-
Specific Conductance	0795	4/18/2018	(N)F	215	umhos/cm			#	-	-
Specific Conductance	0795	5/2/2019	(N)F	209	umhos/cm			#	-	-
Specific Conductance	0795	7/7/2020	(N)F	247	umhos/cm			#	-	-
Specific Conductance	0795	4/8/2021	(N)F	304.3	umhos/cm			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (EQuIS800) FOR SITE GUN01, Gunnison Processing Site

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PARAMETER	LOCATION CODE	SAMPLE DATE	SAMPLE TYPE	RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECT. LIMIT	UNCERTAINTY
Temperature										
Temperature	0248	4/17/2018	(N)F	6.13	C			#	-	-
Temperature	0248	5/2/2019	(N)F	10.7	C			#	-	-
Temperature	0248	7/7/2020	(N)F	22.91	C			#	-	-
Temperature	0248	4/6/2021	(N)F	8.609	C			#	-	-
Temperature	0250	4/18/2018	(N)F	4.3	C			#	-	-
Temperature	0250	5/2/2019	(N)F	3.15	C			#	-	-
Temperature	0250	7/7/2020	(N)F	18.07	C			#	-	-
Temperature	0250	4/7/2021	(N)F	7.854	C			#	-	-
Temperature	0251	4/16/2018	(N)F	10	C			#	-	-
Temperature	0251	5/2/2019	(N)F	6.9	C			#	-	-
Temperature	0251	7/7/2020	(N)F	16.43	C			#	-	-
Temperature	0251	4/6/2021	(N)F	7.922	C			#	-	-
Temperature	0777	4/18/2018	(N)F	9.23	C			#	-	-
Temperature	0777	5/2/2019	(N)F	6.38	C			#	-	-
Temperature	0777	7/7/2020	(N)F	19.9	C			#	-	-
Temperature	0777	4/7/2021	(N)F	9.54	C			#	-	-
Temperature	0780	4/17/2018	(N)F	10.29	C			#	-	-
Temperature	0780	5/1/2019	(N)F	8.67	C			#	-	-
Temperature	0780	7/7/2020	(N)F	21.75	C			#	-	-
Temperature	0780	4/7/2021	(N)F	8.41	C			#	-	-
Temperature	0795	4/18/2018	(N)F	5.69	C			#	-	-
Temperature	0795	5/2/2019	(N)F	7.19	C			#	-	-
Temperature	0795	7/7/2020	(N)F	16.54	C			#	-	-
Temperature	0795	4/8/2021	(N)F	6.313	C			#	-	-
Turbidity										
Turbidity	0248	4/17/2018	(N)F	9.21	NTU			#	-	-
Turbidity	0248	5/2/2019	(N)F	7.68	NTU			#	-	-
Turbidity	0248	7/7/2020	(N)F	1.55	NTU			#	-	-
Turbidity	0248	4/6/2021	(N)F	26.9	NTU			#	-	-
Turbidity	0250	4/18/2018	(N)F	2.34	NTU			#	-	-
Turbidity	0250	5/2/2019	(N)F	16.1	NTU			#	-	-
Turbidity	0250	7/7/2020	(N)F	2.13	NTU			#	-	-
Turbidity	0250	4/7/2021	(N)F	8.88	NTU			#	-	-
Turbidity	0251	4/16/2018	(N)F	4.11	NTU			#	-	-
Turbidity	0251	5/2/2019	(N)F	9.17	NTU			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (EQuIS800) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:23:11 PM

PARAMETER	LOCATION CODE	SAMPLE DATE	SAMPLE TYPE	RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECT. LIMIT	UNCERTAINTY
Turbidity	0251	7/7/2020	(N)F	2.97	NTU			#	-	-
Turbidity	0251	4/6/2021	(N)F	3.74	NTU			#	-	-
Turbidity	0777	4/18/2018	(N)F	7.17	NTU			#	-	-
Turbidity	0777	5/2/2019	(N)F	14.7	NTU			#	-	-
Turbidity	0777	7/7/2020	(N)F	4.47	NTU			#	-	-
Turbidity	0777	4/7/2021	(N)F	22.3	NTU			#	-	-
Turbidity	0780	4/17/2018	(N)F	6.69	NTU			#	-	-
Turbidity	0780	5/1/2019	(N)F	9.8	NTU			#	-	-
Turbidity	0780	7/7/2020	(N)F	6.3	NTU			#	-	-
Turbidity	0780	4/7/2021	(N)F	3.98	NTU			#	-	-
Turbidity	0795	4/18/2018	(N)F	5.82	NTU			#	-	-
Turbidity	0795	5/2/2019	(N)F	9.04	NTU			#	-	-
Turbidity	0795	7/7/2020	(N)F	1.93	NTU			#	-	-
Turbidity	0795	4/8/2021	(N)F	4.1	NTU			#	-	-
Uranium										
Uranium	0248	4/17/2018	(T)F	0.00525	mg/L			#	0.000025	-
Uranium	0248	5/2/2019	(T)F	0.011	mg/L			#	0.0000049	-
Uranium	0248	7/7/2020	(T)F	0.011	mg/L			#	0.00004	-
Uranium	0248	4/6/2021	(D)F	0.0091	mg/L			#	0.00004	-
Uranium	0250	4/18/2018	(T)F	0.000991	mg/L			#	0.000025	-
Uranium	0250	5/2/2019	(D)F	0.00079	mg/L			#	0.0000049	-
Uranium	0250	7/7/2020	(T)F	0.0011	mg/L			#	0.00004	-
Uranium	0250	7/7/2020	(T)D	0.0011	mg/L			#	0.00004	-
Uranium	0250	4/7/2021	(T)F	0.001	mg/L			#	0.00004	-
Uranium	0251	4/16/2018	(T)F	0.00103	mg/L			#	0.000025	-
Uranium	0251	5/2/2019	(T)F	0.00077	mg/L			#	0.0000049	-
Uranium	0251	7/7/2020	(T)F	0.0012	mg/L			#	0.00004	-
Uranium	0251	4/6/2021	(T)F	0.0011	mg/L			#	0.00004	-
Uranium	0777	4/18/2018	(T)F	0.00539	mg/L			#	0.000025	-
Uranium	0777	5/2/2019	(D)F	0.003	mg/L			#	0.0000049	-
Uranium	0777	7/7/2020	(T)F	0.003	mg/L			#	0.00004	-
Uranium	0777	4/7/2021	(D)F	0.0047	mg/L			#	0.00004	-
Uranium	0780	4/17/2018	(T)F	0.044	mg/L			#	0.000025	-
Uranium	0780	5/1/2019	(T)F	0.045	mg/L			#	0.0000049	-
Uranium	0780	7/7/2020	(T)F	0.047	mg/L			#	0.00004	-
Uranium	0780	4/7/2021	(T)F	0.038	mg/L			#	0.00004	-

SURFACE WATER QUALITY DATA BY PARAMETER (EQuIS800) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:23:11 PM

PARAMETER	LOCATION CODE	SAMPLE DATE	SAMPLE TYPE	RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECT. LIMIT	UNCERTAINTY
Uranium	0780	4/7/2021	(T)D	0.038	mg/L			#	0.00004	-
Uranium	0795	4/18/2018	(T)F	0.00111	mg/L			#	0.000025	-
Uranium	0795	5/2/2019	(T)F	0.00099	mg/L			#	0.0000049	-
Uranium	0795	7/7/2020	(T)F	0.0012	mg/L			#	0.00004	-
Uranium	0795	4/8/2021	(T)F	0.00096	mg/L			#	0.00004	-

DATA QUALIFIERS:

F Low flow sampling method used.
G Possible grout contamination, pH > 9.
J Estimated Value.
L Less than 3 bore volumes purged prior to sampling.
N Tentatively identified compound (TIC).
Q Qualitative result due to sampling technique
R Unusable result.
U Parameter analyzed for but was not detected.
X Location is undefined.

LAB QUALIFIERS:

* Replicate analysis not within control limits.
\+ Correlation coefficient for MSA < 0.995.
> Result above upper detection limit.
A TIC is a suspected aldol-condensation product.
B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
C Pesticide result confirmed by GC-MS.
D Analyte determined in diluted sample.
E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H Holding time expired, value suspect.
I Increased detection limit due to required dilution.
J Estimated Value.
M GFAA duplicate injection precision not met.
N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P > 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
S Result determined by method of standard addition (MSA).
U Parameter analyzed for but was not detected.
W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X Laboratory defined qualifier, see case narrative.
Y Laboratory defined qualifier, see case narrative.
Z Laboratory defined qualifier, see case narrative.

SAMPLE TYPES:
(T) Total (for metal concentrations)
(D) Dissolved (for dissolved or filtered metal concentrations)
(N) Organic (or other) constituents for which neither total nor dissolved is applicable

Type Codes: F-Field Sample R-Replicate FR-Field Sample with Replicates
D-Duplicate N-Not Known S-Split Sample

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

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Attachment 4

Groundwater Quality Data by Parameter for Domestic Wells

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GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:21:45 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Alkalinity, Total (As CaCO3)														
Alkalinity, Total (As CaCO3)	0477	WL	DOM	6/11/2019	(N)F			116	mg/L			#	-	-
Alkalinity, Total (As CaCO3)	0683	WL	DOM	6/11/2019	(N)F			125	mg/L			#	-	-
Manganese														
Manganese	0476	WL	DOM	7/3/2018	(T)F			0.00652	mg/L			#	0.0005	-
Manganese	0476	WL	DOM	5/2/2019	(T)F			0.0044	mg/L	J		#	0.00049	-
Manganese	0476	WL	DOM	7/7/2020	(T)F			0.004	mg/L	J		#	0.00074	-
Manganese	0476	WL	DOM	4/7/2021	(T)F			0.0015	mg/L	J		#	0.00074	-
Manganese	0477	WL	DOM	7/3/2018	(T)D			0.00513	mg/L			#	0.0005	-
Manganese	0477	WL	DOM	7/3/2018	(T)F			0.00509	mg/L			#	0.0005	-
Manganese	0477	WL	DOM	6/11/2019	(T)F			0.015	mg/L			#	0.00049	-
Manganese	0477	WL	DOM	7/7/2020	(T)F			0.0053	mg/L	J		#	0.00074	-
Manganese	0477	WL	DOM	4/7/2021	(T)F			0.016	mg/L			#	0.00074	-
Manganese	0478	WL	DOM	4/18/2018	(T)F			1.42	mg/L	D		#	0.001	-
Manganese	0478	WL	DOM	4/18/2018	(T)D			1.42	mg/L	D		#	0.001	-
Manganese	0478	WL	DOM	5/1/2019	(T)F			1.4	mg/L			#	0.00049	-
Manganese	0478	WL	DOM	7/7/2020	(T)F			1.4	mg/L			#	0.00074	-
Manganese	0478	WL	DOM	4/7/2021	(T)F			1.9	mg/L			#	0.00074	-
Manganese	0667	WL	DOM	4/18/2018	(T)F			0.00452	mg/L			#	0.0001	-
Manganese	0667	WL	DOM	5/1/2019	(T)F			0.0025	mg/L	J		#	0.00049	-
Manganese	0667	WL	DOM	7/7/2020	(T)F			0.002	mg/L	J		#	0.00074	-
Manganese	0667	WL	DOM	4/7/2021	(T)F			0.00074	mg/L	U		#	0.00074	-
Manganese	0683	WL	DOM	7/3/2018	(T)F			0.00173	mg/L			#	0.0005	-
Manganese	0683	WL	DOM	6/11/2019	(T)D			0.055	mg/L			#	0.00049	-
Manganese	0683	WL	DOM	6/11/2019	(T)F			0.054	mg/L			#	0.00049	-
Manganese	0683	WL	DOM	7/7/2020	(T)F			0.01	mg/L			#	0.00074	-
Manganese	0683	WL	DOM	4/7/2021	(T)F			0.91	mg/L			#	0.00074	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:21:46 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Oxidation Reduction Potential														
Oxidation Reduction Potential	0476	WL	DOM	7/3/2018	(N)F			218	mV			#	-	-
Oxidation Reduction Potential	0476	WL	DOM	5/2/2019	(N)F			220.1	mV			#	-	-
Oxidation Reduction Potential	0476	WL	DOM	7/7/2020	(N)F			236.9	mV			#	-	-
Oxidation Reduction Potential	0476	WL	DOM	4/7/2021	(N)F			142	mV			#	-	-
Oxidation Reduction Potential	0477	WL	DOM	7/3/2018	(N)F			244	mV			#	-	-
Oxidation Reduction Potential	0477	WL	DOM	6/11/2019	(N)F			54	mV			#	-	-
Oxidation Reduction Potential	0477	WL	DOM	7/7/2020	(N)F			147	mV			#	-	-
Oxidation Reduction Potential	0477	WL	DOM	4/7/2021	(N)F			73	mV			#	-	-
Oxidation Reduction Potential	0478	WL	DOM	4/18/2018	(N)F			181	mV			#	-	-
Oxidation Reduction Potential	0478	WL	DOM	5/1/2019	(N)F			57.1	mV			#	-	-
Oxidation Reduction Potential	0478	WL	DOM	7/7/2020	(N)F			180.1	mV			#	-	-
Oxidation Reduction Potential	0478	WL	DOM	4/7/2021	(N)F			-25	mV			#	-	-
Oxidation Reduction Potential	0667	WL	DOM	4/18/2018	(N)F			205.3	mV			#	-	-
Oxidation Reduction Potential	0667	WL	DOM	5/1/2019	(N)F			111.2	mV			#	-	-
Oxidation Reduction Potential	0667	WL	DOM	7/7/2020	(N)F			195.4	mV			#	-	-
Oxidation Reduction Potential	0667	WL	DOM	4/7/2021	(N)F			123	mV			#	-	-
Oxidation Reduction Potential	0683	WL	DOM	7/3/2018	(N)F			201	mV			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:21:46 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Oxidation Reduction Potential	0683	WL	DOM	6/11/2019	(N)F			155	mV			#	-	-
Oxidation Reduction Potential	0683	WL	DOM	7/7/2020	(N)F			157.6	mV			#	-	-
Oxidation Reduction Potential	0683	WL	DOM	4/7/2021	(N)F			-93	mV			#	-	-
pH														
pH	0476	WL	DOM	7/3/2018	(N)F			7.27	s.u.			#	-	-
pH	0476	WL	DOM	5/2/2019	(N)F			7.55	s.u.			#	-	-
pH	0476	WL	DOM	7/7/2020	(N)F			7.15	s.u.			#	-	-
pH	0476	WL	DOM	4/7/2021	(N)F			7.51	s.u.			#	-	-
pH	0477	WL	DOM	7/3/2018	(N)F			6.92	s.u.			#	-	-
pH	0477	WL	DOM	6/11/2019	(N)F			6.75	s.u.			#	-	-
pH	0477	WL	DOM	7/7/2020	(N)F			7.31	s.u.			#	-	-
pH	0477	WL	DOM	4/7/2021	(N)F			7.3	s.u.			#	-	-
pH	0478	WL	DOM	4/18/2018	(N)F			7.59	s.u.			#	-	-
pH	0478	WL	DOM	5/1/2019	(N)F			6.64	s.u.			#	-	-
pH	0478	WL	DOM	7/7/2020	(N)F			6.81	s.u.			#	-	-
pH	0478	WL	DOM	4/7/2021	(N)F			7.48	s.u.			#	-	-
pH	0667	WL	DOM	4/18/2018	(N)F			6.94	s.u.			#	-	-
pH	0667	WL	DOM	5/1/2019	(N)F			6.85	s.u.			#	-	-
pH	0667	WL	DOM	7/7/2020	(N)F			7.05	s.u.			#	-	-
pH	0667	WL	DOM	4/7/2021	(N)F			7.76	s.u.			#	-	-
pH	0683	WL	DOM	7/3/2018	(N)F			7.75	s.u.			#	-	-
pH	0683	WL	DOM	6/11/2019	(N)F			6.82	s.u.			#	-	-
pH	0683	WL	DOM	7/7/2020	(N)F			7.59	s.u.			#	-	-
pH	0683	WL	DOM	4/7/2021	(N)F			7.39	s.u.			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:21:46 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Specific Conductance														
Specific Conductance	0476	WL	DOM	7/3/2018	(N)F			233	umhos/cm			#	-	-
Specific Conductance	0476	WL	DOM	5/2/2019	(N)F			244	umhos/cm			#	-	-
Specific Conductance	0476	WL	DOM	7/7/2020	(N)F			259	umhos/cm			#	-	-
Specific Conductance	0476	WL	DOM	4/7/2021	(N)F			243.9	umhos/cm			#	-	-
Specific Conductance	0477	WL	DOM	7/3/2018	(N)F			249	umhos/cm			#	-	-
Specific Conductance	0477	WL	DOM	6/11/2019	(N)F			258	umhos/cm			#	-	-
Specific Conductance	0477	WL	DOM	7/7/2020	(N)F			232	umhos/cm			#	-	-
Specific Conductance	0477	WL	DOM	4/7/2021	(N)F			260	umhos/cm			#	-	-
Specific Conductance	0478	WL	DOM	4/18/2018	(N)F			286	umhos/cm			#	-	-
Specific Conductance	0478	WL	DOM	5/1/2019	(N)F			287	umhos/cm			#	-	-
Specific Conductance	0478	WL	DOM	7/7/2020	(N)F			266	umhos/cm			#	-	-
Specific Conductance	0478	WL	DOM	4/7/2021	(N)F			308.9	umhos/cm			#	-	-
Specific Conductance	0667	WL	DOM	4/18/2018	(N)F			226	umhos/cm			#	-	-
Specific Conductance	0667	WL	DOM	5/1/2019	(N)F			248	umhos/cm			#	-	-
Specific Conductance	0667	WL	DOM	7/7/2020	(N)F			235	umhos/cm			#	-	-
Specific Conductance	0667	WL	DOM	4/7/2021	(N)F			242.2	umhos/cm			#	-	-
Specific Conductance	0683	WL	DOM	7/3/2018	(N)F			270	umhos/cm			#	-	-
Specific Conductance	0683	WL	DOM	6/11/2019	(N)F			331	umhos/cm			#	-	-
Specific Conductance	0683	WL	DOM	7/7/2020	(N)F			264	umhos/cm			#	-	-
Specific Conductance	0683	WL	DOM	4/7/2021	(N)F			304.6	umhos/cm			#	-	-
Temperature														
Temperature	0476	WL	DOM	7/3/2018	(N)F			16.3	C			#	-	-
Temperature	0476	WL	DOM	5/2/2019	(N)F			13.45	C			#	-	-
Temperature	0476	WL	DOM	7/7/2020	(N)F			17.52	C			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:21:46 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Temperature	0476	WL	DOM	4/7/2021	(N)F			11.2	C			#	-	-
Temperature	0477	WL	DOM	7/3/2018	(N)F			17.95	C			#	-	-
Temperature	0477	WL	DOM	6/11/2019	(N)F			9.51	C			#	-	-
Temperature	0477	WL	DOM	7/7/2020	(N)F			10.73	C			#	-	-
Temperature	0477	WL	DOM	4/7/2021	(N)F			8.89	C			#	-	-
Temperature	0478	WL	DOM	4/18/2018	(N)F			13.06	C			#	-	-
Temperature	0478	WL	DOM	5/1/2019	(N)F			14.75	C			#	-	-
Temperature	0478	WL	DOM	7/7/2020	(N)F			18.48	C			#	-	-
Temperature	0478	WL	DOM	4/7/2021	(N)F			19.52	C			#	-	-
Temperature	0667	WL	DOM	4/18/2018	(N)F			10.62	C			#	-	-
Temperature	0667	WL	DOM	5/1/2019	(N)F			11.98	C			#	-	-
Temperature	0667	WL	DOM	7/7/2020	(N)F			19.73	C			#	-	-
Temperature	0667	WL	DOM	4/7/2021	(N)F			7.95	C			#	-	-
Temperature	0683	WL	DOM	7/3/2018	(N)F			11.3	C			#	-	-
Temperature	0683	WL	DOM	6/11/2019	(N)F			10.44	C			#	-	-
Temperature	0683	WL	DOM	7/7/2020	(N)F			12.51	C			#	-	-
Temperature	0683	WL	DOM	4/7/2021	(N)F			8.72	C			#	-	-
Turbidity														
Turbidity	0476	WL	DOM	7/3/2018	(N)F			8.66	NTU			#	-	-
Turbidity	0476	WL	DOM	5/2/2019	(N)F			4.63	NTU			#	-	-
Turbidity	0476	WL	DOM	7/7/2020	(N)F			1.6	NTU			#	-	-
Turbidity	0476	WL	DOM	4/7/2021	(N)F			1.93	NTU			#	-	-
Turbidity	0477	WL	DOM	7/3/2018	(N)F			2.42	NTU			#	-	-
Turbidity	0477	WL	DOM	6/11/2019	(N)F			7.22	NTU			#	-	-
Turbidity	0477	WL	DOM	7/7/2020	(N)F			4.3	NTU			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:21:47 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Turbidity	0477	WL	DOM	4/7/2021	(N)F			13.5	NTU			#	-	-
Turbidity	0478	WL	DOM	4/18/2018	(N)F			0.4	NTU			#	-	-
Turbidity	0478	WL	DOM	5/1/2019	(N)F			1.38	NTU			#	-	-
Turbidity	0478	WL	DOM	7/7/2020	(N)F			2.52	NTU			#	-	-
Turbidity	0478	WL	DOM	4/7/2021	(N)F			1.43	NTU			#	-	-
Turbidity	0667	WL	DOM	4/18/2018	(N)F			3	NTU			#	-	-
Turbidity	0667	WL	DOM	5/1/2019	(N)F			0.45	NTU			#	-	-
Turbidity	0667	WL	DOM	7/7/2020	(N)F			1.17	NTU			#	-	-
Turbidity	0667	WL	DOM	4/7/2021	(N)F			16.6	NTU			#	-	-
Turbidity	0683	WL	DOM	7/3/2018	(N)F			1.99	NTU			#	-	-
Turbidity	0683	WL	DOM	6/11/2019	(N)F			1.47	NTU			#	-	-
Turbidity	0683	WL	DOM	7/7/2020	(N)F			2.52	NTU			#	-	-
Turbidity	0683	WL	DOM	4/7/2021	(N)F			6.68	NTU			#	-	-
Uranium														
Uranium	0476	WL	DOM	7/3/2018	(T)F			0.00152	mg/L			#	0.00005	-
Uranium	0476	WL	DOM	5/2/2019	(T)F			0.002	mg/L			#	0	-
Uranium	0476	WL	DOM	7/7/2020	(T)F			0.0019	mg/L			#	0.00004	-
Uranium	0476	WL	DOM	4/7/2021	(T)F			0.002	mg/L			#	0.00004	-
Uranium	0477	WL	DOM	7/3/2018	(T)D			0.00155	mg/L			#	0.00005	-
Uranium	0477	WL	DOM	7/3/2018	(T)F			0.00153	mg/L			#	0.00005	-
Uranium	0477	WL	DOM	6/11/2019	(T)F			0.0017	mg/L			#	0	-
Uranium	0477	WL	DOM	7/7/2020	(T)F			0.0014	mg/L			#	0.00004	-
Uranium	0477	WL	DOM	4/7/2021	(T)F			0.0017	mg/L			#	0.00004	-
Uranium	0478	WL	DOM	4/18/2018	(T)D			0.00304	mg/L			#	0.00003	-
Uranium	0478	WL	DOM	4/18/2018	(T)F			0.00279	mg/L			#	0.00003	-

GENERAL WATER QUALITY DATA BY PARAMETER (EQuIS205) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 7/14/2021 4:21:47 PM

PARAMETER	LOCATION CODE/TYPE/SUBTYPE			SAMPLE DATE	SAMPLE TYPE	DEPTH RANGE (FT BLS)		RESULT	UNITS	QUALIFIERS LAB/DATA		QA	DETECTION LIMIT	UNCERTAINTY
Uranium	0478	WL	DOM	5/1/2019	(T)F			0.0032	mg/L			#	0	-
Uranium	0478	WL	DOM	7/7/2020	(T)F			0.0027	mg/L			#	0.00004	-
Uranium	0478	WL	DOM	4/7/2021	(T)F			0.0035	mg/L			#	0.00004	-
Uranium	0667	WL	DOM	4/18/2018	(T)F			0.00132	mg/L			#	0.00003	-
Uranium	0667	WL	DOM	5/1/2019	(T)F			0.0031	mg/L			#	0	-
Uranium	0667	WL	DOM	7/7/2020	(T)F			0.0011	mg/L			#	0.00004	-
Uranium	0667	WL	DOM	4/7/2021	(T)F			0.0033	mg/L			#	0.00004	-
Uranium	0683	WL	DOM	7/3/2018	(T)F			0.00272	mg/L			#	0.00005	-
Uranium	0683	WL	DOM	6/11/2019	(T)D			0.0038	mg/L			#	0	-
Uranium	0683	WL	DOM	6/11/2019	(T)F			0.004	mg/L			#	0	-
Uranium	0683	WL	DOM	7/7/2020	(T)F			0.0029	mg/L			#	0.00004	-
Uranium	0683	WL	DOM	4/7/2021	(T)F			0.0032	mg/L			#	0.00004	-

LOCATION TYPE:

WL	WELL

LOCATION SUBTYPES:

DOM	Domestic Well

DATA QUALIFIERS:

F	Low flow sampling method used.
G	Possible grout contamination, pH > 9.
J	Estimated Value.
L	Less than 3 bore volumes purged prior to sampling.
N	Tentatively identified compound (TIC).
Q	Qualitative result due to sampling technique
R	Unusable result.

U	Parameter analyzed for but was not detected.
X	Location is undefined.

LAB QUALIFIERS:

*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated Value.
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P	> 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
S	Result determined by method of standard addition (MSA).
U	Parameter analyzed for but was not detected.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X	Laboratory defined qualifier, see case narrative.
Y	Laboratory defined qualifier, see case narrative.
Z	Laboratory defined qualifier, see case narrative.

SAMPLE TYPES:

Fraction:
(T) Total (for metal concentrations)
(D) Dissolved (for dissolved or filtered metal concentrations)
(N) Organic (or other) constituents for which neither total nor dissolved is applicable

Type Codes:
F-Field Sample R-Replicate FR-Field Sample with Replicates
D-Duplicate N-Not Known S-Split Sample

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

Attachment 5

Water Level Data

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STATIC WATER LEVELS (EQuIS700) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 9/20/2021 4:24:48 PM

LOCATION CODE	MEASUREMENT DATE/TIME	TOP OF CASING ELEVATION (FT)	DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
0002	04/18/2018 08:20	7646.75	6.36	7640.39	
0002	05/01/2019 07:38	7646.75	4.10	7642.65	
0002	04/07/2021 08:25	7646.75	5.89	7640.86	
0005	04/17/2018 15:30	7644.66	6.22	7638.44	
0005	05/01/2019 12:55	7644.66	4.69	7639.97	
0005	04/06/2021 18:40	7644.66	6.65	7638.01	
0006	04/16/2018 16:45	7647.23	11.45	7635.78	
0006	05/01/2019 13:34	7647.23	9.71	7637.52	
0006	04/06/2021 17:22	7647.23	11.49	7635.74	
0012R	04/17/2018 14:10	7645.95	12.20	7633.75	
0012R	05/01/2019 10:30	7645.95	10.81	7635.14	
0012R	04/07/2021 09:40	7645.95	12.12	7633.83	
0013	04/17/2018 13:17	7643.75	10.49	7633.26	
0013	05/01/2019 09:20	7643.75	11.10	7632.65	
0013	04/07/2021 10:49	7643.75	12.00	7631.75	
0062	04/17/2018 08:20	7630.61	5.18	7625.43	
0062	04/30/2019 17:10	7630.61	5.56	7625.05	
0062	04/06/2021 14:40	7630.61	5.90	7624.71	
0063	04/17/2018 07:55	7630.34	6.59	7623.75	
0063	04/30/2019 16:50	7630.34	6.83	7623.51	
0063	04/06/2021 14:25	7630.34	7.25	7623.09	
0064	04/17/2018 09:15	7620.76	5.84	7614.92	
0064	05/02/2019 14:50	7620.76	6.03	7614.73	
0064	04/06/2021 13:30	7620.76	6.57	7614.19	
0065	04/18/2018 13:44	7610.27	2.10	7608.17	
0065	05/02/2019 10:12	7610.27	1.63	7608.64	
0065	04/07/2021 13:55	7610.27	2.11	7608.16	
0066	04/18/2018 12:48	7606.22	2.55	7603.67	
0066	05/02/2019 10:38	7606.22	0.93	7605.29	
0066	04/07/2021 14:20	7606.22	2.21	7604.01	
0102	04/18/2018 08:40	7647.30	6.90	7640.40	
0102	05/01/2019 07:21	7647.30	4.82	7642.48	
0102	04/07/2021 07:50	7647.30	6.44	7640.86	
0105	04/17/2018 15:45	7646.11	8.45	7637.66	
0105	05/01/2019 13:35	7646.11	7.06	7639.05	

STATIC WATER LEVELS (EQuIS700) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 9/20/2021 4:24:48 PM

LOCATION CODE	MEASUREMENT DATE/TIME	TOP OF CASING ELEVATION (FT)	DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
0105	04/06/2021 18:15	7646.11	8.80	7637.31	
0106	04/16/2018 17:20	7647.22	11.52	7635.70	
0106	05/01/2019 13:53	7647.22	9.95	7637.27	
0106	04/06/2021 17:50	7647.22	11.67	7635.55	
0112	04/17/2018 14:46	7645.74	12.49	7633.25	
0112	05/01/2019 10:55	7645.74	11.37	7634.37	
0112	04/07/2021 09:55	7645.74	12.46	7633.28	
0113	04/17/2018 12:55	7643.83	10.82	7633.01	
0113	05/01/2019 08:57	7643.83	11.22	7632.61	
0113	04/07/2021 10:45	7643.83	12.03	7631.80	
0125	04/17/2018 10:30	7633.52	2.92	7630.60	
0125	04/30/2019 15:25	7633.52	6.19	7627.33	
0125	04/06/2021 12:00	7633.52	6.30	7627.22	
0126	04/17/2018 10:10	7634.14	4.89	7629.25	
0126	04/30/2019 15:44	7634.14	5.82	7628.32	
0126	04/06/2021 11:41	7634.14	6.10	7628.04	
0127	04/17/2018 09:50	7634.64	6.20	7628.44	
0127	04/30/2019 16:10	7634.64	6.79	7627.85	
0127	04/06/2021 11:20	7634.64	7.05	7627.59	
0135	04/16/2018 15:25	7627.03	3.46	7623.57	
0135	05/02/2019 13:58	7627.03	3.95	7623.08	
0135	04/06/2021 12:54	7627.03	4.31	7622.72	
0136	04/16/2018 15:50	7626.24	2.57	7623.67	
0136	05/02/2019 13:43	7626.24	3.15	7623.09	
0136	04/06/2021 12:25	7626.24	3.46	7622.78	
0160	04/18/2018 11:41	7604.39	5.70	7598.69	
0160	05/02/2019 16:40	7604.39	4.56	7599.83	
0160	04/08/2021 07:45	7604.39	5.76	7598.63	
0161	04/18/2018 11:48	7605.63	7.12	7598.51	
0161	05/02/2019 16:19	7605.63	5.96	7599.67	
0161	04/08/2021 08:18	7605.63	7.16	7598.47	
0181	04/16/2018 14:40	7616.38	2.43	7613.95	
0181	05/02/2019 09:48	7616.38	1.96	7614.42	
0181	04/07/2021 13:38	7616.38	2.44	7613.94	
0183	04/16/2018 14:35	7616.27	4.00	7612.27	

STATIC WATER LEVELS (EQuIS700) FOR SITE GUN01, Gunnison Processing Site

REPORT DATE: 9/20/2021 4:24:48 PM

LOCATION CODE	MEASUREMENT DATE/TIME	TOP OF CASING ELEVATION (FT)	DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
0183	05/02/2019 09:24	7616.27	3.66	7612.61	
0183	04/07/2021 13:20	7616.27	4.24	7612.03	
0186	04/17/2018 14:19	7627.21	5.42	7621.79	
0186	05/01/2019 14:31	7627.21	5.39	7621.82	
0186	04/06/2021 16:15	7627.21	6.10	7621.11	
0187	04/17/2018 16:55	7625.91	4.70	7621.21	
0187	05/01/2019 15:01	7625.91	4.64	7621.27	
0187	04/06/2021 16:45	7625.91	5.42	7620.49	
0188	04/18/2018 10:15	7613.65	6.13	7607.52	
0188	05/01/2019 16:22	7613.65	5.09	7608.56	
0188	04/07/2021 16:05	7613.65	6.61	7607.04	
0189	04/18/2018 10:20	7613.56	6.41	7607.15	
0189	05/01/2019 16:05	7613.56	5.50	7608.06	
0189	04/07/2021 16:25	7613.56	6.92	7606.64	

FLOW CODES:

B	BACKGROUND	C	CROSS GRADIENT	D	DOWN GRADIENT
F	OFF-SITE	N	UNKNOWN	O	ON-SITE
U	UPGRADIENT				

WATER LEVEL FLAGS:

B	Water level is below the top of the pump	D	Dry
E	Water elevation may not be comparable to other water elevations at this site	F	Flowing
I	Inaccessible		

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Attachment 6

Assessment of Uranium Concentration Trends at the Gunnison Site

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Assessment of Uranium Concentration Trends at the Gunnison Site
(Mann-Kendall trend analysis)

Well	Number of Samples	*p* Value[a]	2021 Result[b] (mg/L)	Significant Trends[c]
0005	15	0.0917	0.0350	● →
0105	16	0.0604	0.0120	● →
0006	26	0.0041	0.6100	● ↓
0106	26	0.0000	0.1300	● ↑
0012/0012R	21	0.0000	0.1900	● ↓
0112	21	0.0000	0.1100	● ↑
0013	25	***0.6912***	0.0470	● →
0113	26	***0.3203***	0.1500	● →
0125	22	***0.1258***	0.0110	● →
0126	26	0.0073	0.0120	● ↓
0127	26	0.0000	0.0150	● ↓
0135	16	0.0019	0.0030	● ↑
0136	22	0.0023	0.0030	● ↓
0064	16	***0.2742***	0.0120	● →
0062	16	0.0263	0.0067	● ↓
0063	16	0.0011	0.0160	● ↑
0181	20	0.0000	0.0081	● ↓
0183	23	***0.0529***	0.0440	● →
0065	16	0.0000	0.0190	● ↓
0066	16	0.0093	0.0200	● ↓
0186	22	0.0000	0.0160	● ↓
0187	15	***0.2969***	0.0320	● →
0188	26	0.0005	0.0250	● ↓
0189	26	0.0085	0.0085	● →
0160	24	0.0000	0.0230	● ↑
0161	24	0.0000	0.0230	● ↑

Notes:
[a] *p* value = Denotes the strength (statistical significance) of the trend (the closer to 0, the stronger the trend).
[b] The MCL value of 0.044 mg/L is from 40 CFR 192.
[c] Data from 1997 to 2021 using Mann-Kendall trend analysis.
Bold italic = MCL value exceeded.

Color Key:

- Onsite and just off the former mill site
- Downgradient of the former mill site (pasture)
- Downgradient of the former mill site (golf course and residential areas)
- Downgradient of the former mill site (west of Gunnison River)

Arrow Key:

- ↑ **Red** = upward trend or standard was exceeded in 2019
- → **Black** = no trend
- ↓ **Green** = downward trend

Oval Key:

- **Progressing:** Uranium concentrations are below the MCL with a downward or no trend or uranium concentrations are above the MCL but less than 0.2 mg/L with a downward trend.
- **Neutral:** Current uranium concentrations are greater than 0.2 mg/L with a downward trend or current uranium concentrations are below the MCL with an upward trend.
- **Regressing:** Current uranium concentrations are above the standard with an upward or no trend.

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