November 12 2026

Daryl Reed, Hydrogeologist
Montana Department of Environmental Quality
1225 Cedar St
P.O. Box 200901
Helena, MT 59620-0901

RE: CONTRACT NO. 415008-TO-21, BUTTE MINE FLOODING–SEPTEMBER 2026 MONTHLY REPORT, BMFOU CONSENT DECREE 02-35-BU-SEH

Dear Daryl:

Enclosed is the October 2026 monthly report for Contract No. 415008-TO-21, Butte Mine Flooding CD Monitoring. The report is being sent in partial fulfillment of the terms contained in the Butte Mine Flooding Operable Unit Consent Decree-02-35-BU-SEH and briefly discusses the major activities undertaken during the month and presents data from monitoring activities.

Common Sense Engineering and Surveying completed the monthly Berkeley Pit water elevation survey on November 3, 2026; the water elevation was 5358.27. Based on water-level data from mine shafts and deep bedrock wells, the Berkeley Pit pumping project that began on September 26, 2019 continues to control the water-level in the Pit and surrounding bedrock monitoring sites. Since the inception of pumping, the Berkeley Pit water-level has increased 2.22-ft.

Figures referenced in the report are attached at the end of the report. If you have questions about the project, or the enclosed report, do not hesitate to contact me. Electronic copies of the report (text only) and water-level data have been sent to the required parties, per Appendix C of the Consent Decree.

Sincerely,

Ted Duaime
Hydrogeologist

Enclosures

xc: Jason Rappe, EPA (all report - elec. only)
Mark Thompson, MR (all report - elec. only)
Dan Janney, MR (elec. only)
Loren Burmeister, AR (elec. only)
Dave Griffis, AR (all report - elec. only)
Irene Montero, AR (elec. only)
Chapin Storrar, CDM (elec. only)
Karen Maloughney, BSB (elec. only)
Abby Peltomaa, BSB (elec. only)
Gary Icopini, MBMG (elec. only)
Mark Neary, BSB (elec. only)
Brandon Warner, BSB (elec. only)

Rich Keeland, Aspect (elec. only)
Tammy Gordon, RIPPLE (elec. only)
Jeremy Fleege, MR (all report - elec. only)
Steve Walsh (all report – elec. only)
Garrett Smith, DEQ-HRB (elec. only)
Katie Garcin-Forba, DEQ (elec. only)
CTEC (elec. only)
File

Mark Schaffer, PTS (elec. only)
Adam Logar, PTS (elec. only)
Eric Hassler, BSB (elec. only)
Allie Archer, EPA (all report - elec. only)

MBMG Butte Mine Flooding Monthly Report
BMFOU Consent Decree 02-35-BU-SEH
Remedial Action–Monitoring Program
Contract No. 415008-TO-21
October 2026

The Montana Bureau of Mines and Geology (MBMG) continues to perform monitoring and sampling activities for the Butte Mine Flooding Operable Unit (BMFOU), per the conditions of the 2002 Consent Decree (CD) as outlined in the Remedial Action Monitoring Program. Normal monthly activities include alluvial and bedrock water-level monitoring, monitoring of surface-water flows in the Horseshoe Bend Drainage/Capture System (HsB/CS), HsB/CS water-quality sampling, and report preparation. Fall semi-annual groundwater sampling continued; Berkeley Pit water sampling and profiling was completed.

Horseshoe Bend/Capture System

The implementation of the Berkeley Pit and Discharge Pilot Project (Pilot Project) system and associated water treatment options modified water handling in the HsB drainage/precipitation plant areas. Figure 1 contains the October 2026 flow data, as recorded at the HsB/CS weir. The signal to noise ratio was 45, indicating high quality data collection.

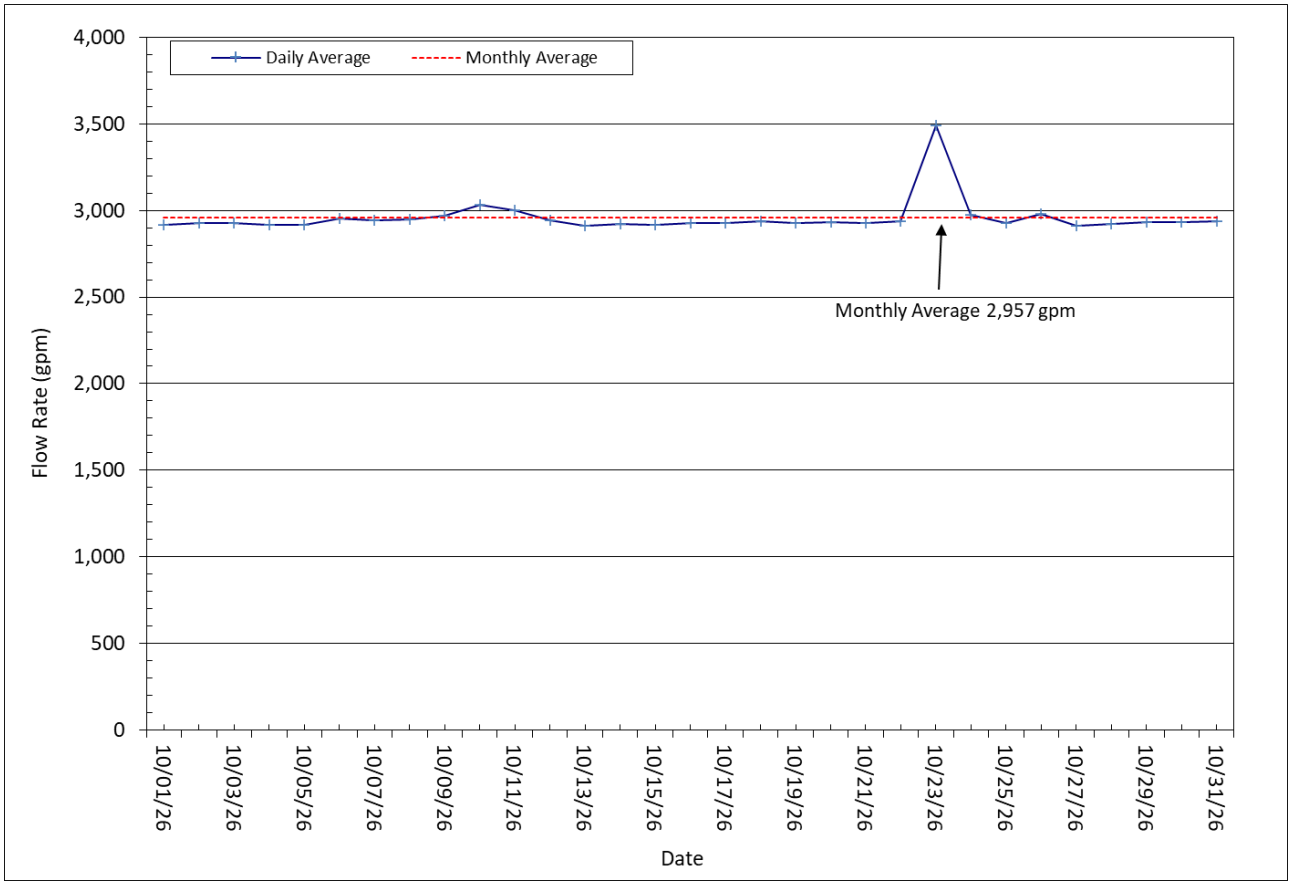

Figure 1. Horseshoe Bend/Capture System flow data.

Attachment 1 contains a summary of monthly flow statistics for the HsB/CS and attachment 2 is the long-term flow hydrograph for this area.

East Camp Alluvial System Monitoring

The East Camp alluvial groundwater monitoring system consists of the LP- and MR97-series wells located within the active mine area, and AMC, GS, AMW, and BMF05-series wells. All of the wells associated with the four latter groups are located outside and to the south of the active mine area, with the exception of wells AMC-5 and AMC-15, which are within the active-mine area. Well AMC-10 has been dry since its installation; the water-level in LP-02 was unchanged from last month. Well LP-15 was not measured due to winterization of the well pump and discharge pipe. Table 1 summarizes the water-level changes for the alluvial wells and presents the maximum water-level increase and decrease within each group. Water levels in basin alluvial wells (wells outside the active mine area) increased in a majority of sites this month.

Well Series (No. Wells)	No. Wells Water Level Increased	No. Wells Water Level Decreased	Max. Water-Level Increase	Max. Water-Level Decrease
LP (14)	5	7	0.14	-0.13
MR97 (3)	1	2	0.06	-0.31
AMC (7)	3	3	0.17	-0.06
GS (4)	2	2	0.12	-0.14
AMW (3)	2	1	0.09	-0.05
BMF05 (4)	4	0	0.16	–

Table 1. East Camp Alluvial Well Water-Level Changes.

Hydrographs for wells LP-1-LP-2-LP-4, LP-9-LP-10, and LP-14-LP-15-LP-16, showing the long-term trends are included. These wells are reflective of the general alluvial system within the active mine area and show greater variability, the result of historic and current mine operations and seasonal trends.

Twenty-four alluvial wells within the East Camp System are equipped with pressure transducers to record water-level changes every hour. These detailed records provide information on the daily and seasonal changes that occur within the regional groundwater system. Copies of the monthly and long-term hydrographs for each of these sites are attached.

Figure 2 shows daily average water-level elevations for wells LP-14, AMC-8, and BMF05-3. Well LP-14 is located on the southern edge of the mine property, well AMC-8 is just south of LP-14 outside the mine area, and well BMF05-3 is farther south in the basin. Wells LP-14 and AMC-8 have shown periodic influences from mining activities while well BMF05-3 is outside the area of influence of current or historic mining activity and has a more seasonal trend. A decreasing water-level trend (long-term) is noticeable in wells LP-14 and AMC-8 from 2012 thru mid-2023; water-level responses in both wells are similar. Above average summer 2023 precipitation resulted in increasing water-levels during the summer and fall in all three wells. Water levels in AMC-8 are slowly returning to normal following fall-2025 pumping for sampling, while the water-level in LP-14 continues to decline. The water-level in BMF05-3 continues to follow a seasonal trend. The influence of irrigation wells near BMF05-3 during the summer and fall months are apparent on well-transducer hydrographs.

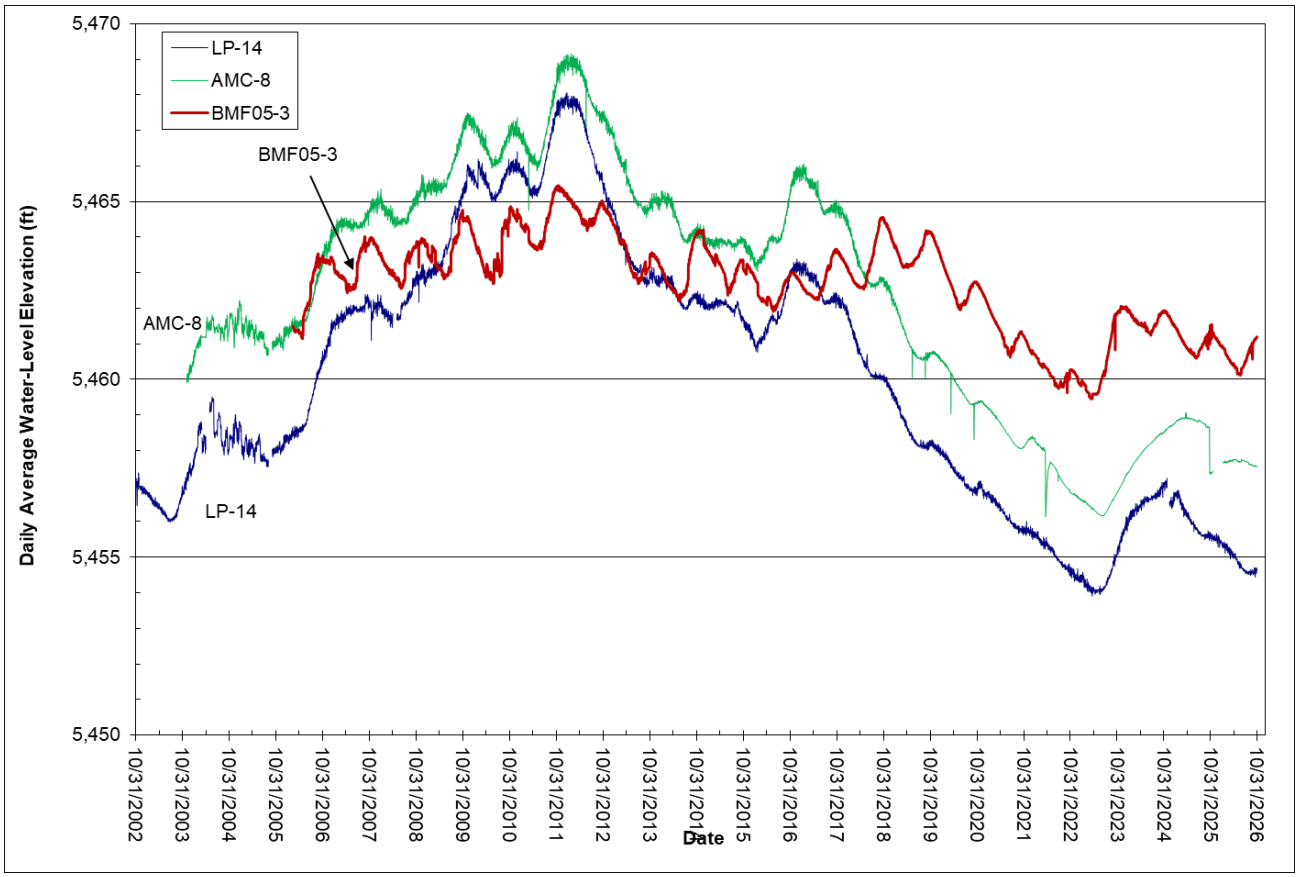

Figure 2. Hydrograph showing water-level elevations for alluvial wells LP-14, AMC-8, and BMF05-3.

The GS-series wells are two pairs of nested wells, a shallow and a deep well, within the alluvial aquifer. Figure 3 is a hydrograph showing the water levels for wells GS-44S and GS-44D. The water-level changes shown on this graph are similar to those for the GS-46S and GS-46D nested wells; water levels increase from snowmelt in late spring and precipitation during the summer followed by water-level declines in the fall and winter. Water-levels trended down from 2019 through mid-2023, possibly due to below normal annual precipitation. Water-levels have begun their seasonal decline.

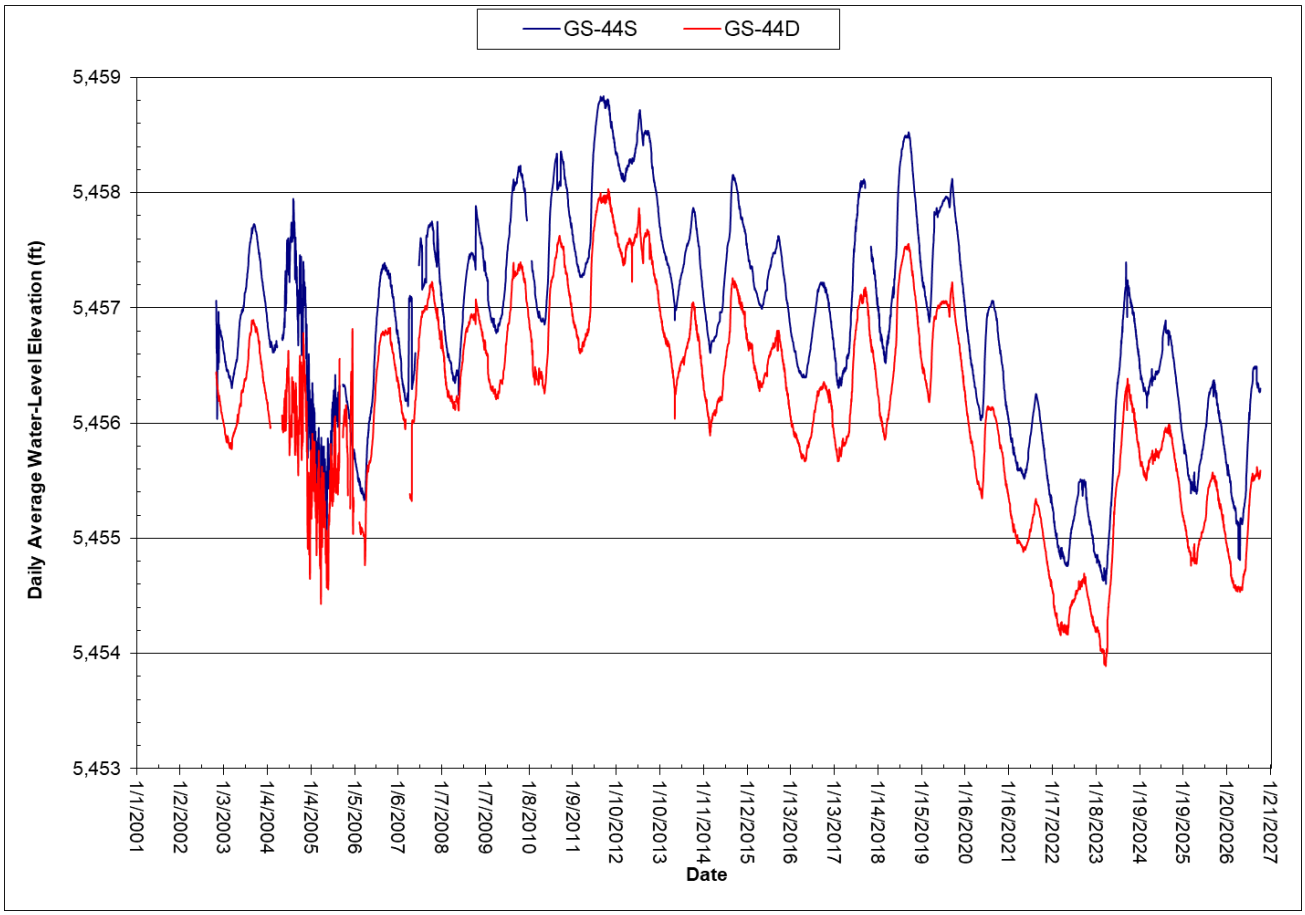

Figure 3. Hydrograph showing water-level elevations for alluvial wells GS-44S and GS-44D.

East Camp Mine and Bedrock System

The East Camp bedrock system consists of six underground mines, 10 bedrock wells within the active mine area, and three bedrock wells outside the active-mine area. The latter three wells are located at Hebgen, Parrot, and Belmont parks. The Berkeley Pit is part of the East Camp bedrock monitoring system.

The 1994 Record of Decision (ROD) and 2002 CD established the maximum elevation that the water-level in the East Camp bedrock system is allowed to rise, and is based upon fourteen compliance points within that system. Under the conditions contained in the CD, the water-level in the bedrock system cannot exceed the Protective Water-level (PWL) of 5,410 ft elevation at any of the compliance points, ensuring that the water-level in the Berkeley Pit remains the lowest point within the East Camp bedrock system. Table 2 contains recent monthly water levels for the 14 compliance points and the Berkeley Pit, and the depth below the PWL. The water-level is highest in the Pilot Butte Mine, with the water-level 25.53 ft below the PWL.

Compliance Point	Monthly Water-level (ft)	Depth Below PWL (ft)
Anselmo Mine	5,380.11	29.89
Granite Mountain (Well GM-1	5,374.47	35.53
Pilot Butte Mine	5,384.47	25.53
Kelley Mine	5,373.14	36.86
Lexington Mine (Lex #1)	5,377.88	32.12
Steward Mine	5,376.17	33.83
Belmont Well #2	5,371.68	38.32
Well A	5,371.75	38.25
Well C (Sept. 2026)	5,365.82	44.18
Well D-1	5,368.90	41.10
Well D-2	5,368.25	41.75
Well G	5,374.96	35.04
Well J	5,362.81	47.19
Berkeley Pit	5,358.27	51.73
Continental Pit	Not Monitored During Active Mining	

Table 2. Compliance Points Monthly Water-Level Elevation and Depth below Protective Water-level (PWL).

Table 3 summarizes the water-level changes for the past month within the East Camp bedrock system, along with the maximum changes within each group of monitoring sites. Monthly water levels were more varied as the result of Berkeley Pit pumping being reestablished. (MR and AR announced a temporary suspension of pumping, January 2026, and announced the resumption of pumping on August 31, 2026.) The influence of the Pilot Project and resumption of pumping on bedrock system water-levels are shown in Figure 4 that compares water-level elevations for the Berkeley Pit and selected East Camp mines and bedrock well G since 2017; the PWL is shown for comparison purposes.

Monitoring Sites (No. Mines/Wells)	No. Sites Water-level Increased	No. Sites Water-level Decreased	Max. Water-Level Increase	Max. Water-Level Decrease
Mine Shafts (6) (includes Wells GM-1 and Lex #1)	5	1	0.30	-0.07
Bedrock Wells within Active Mine Area (10)*	6	3	0.11	-0.56
Bedrock Wells outside Active Mine Area (3)	2	1	0.44	-2.32

*Includes Belmont Well #2.
Table 3. East Camp Bedrock Water-Level Changes.

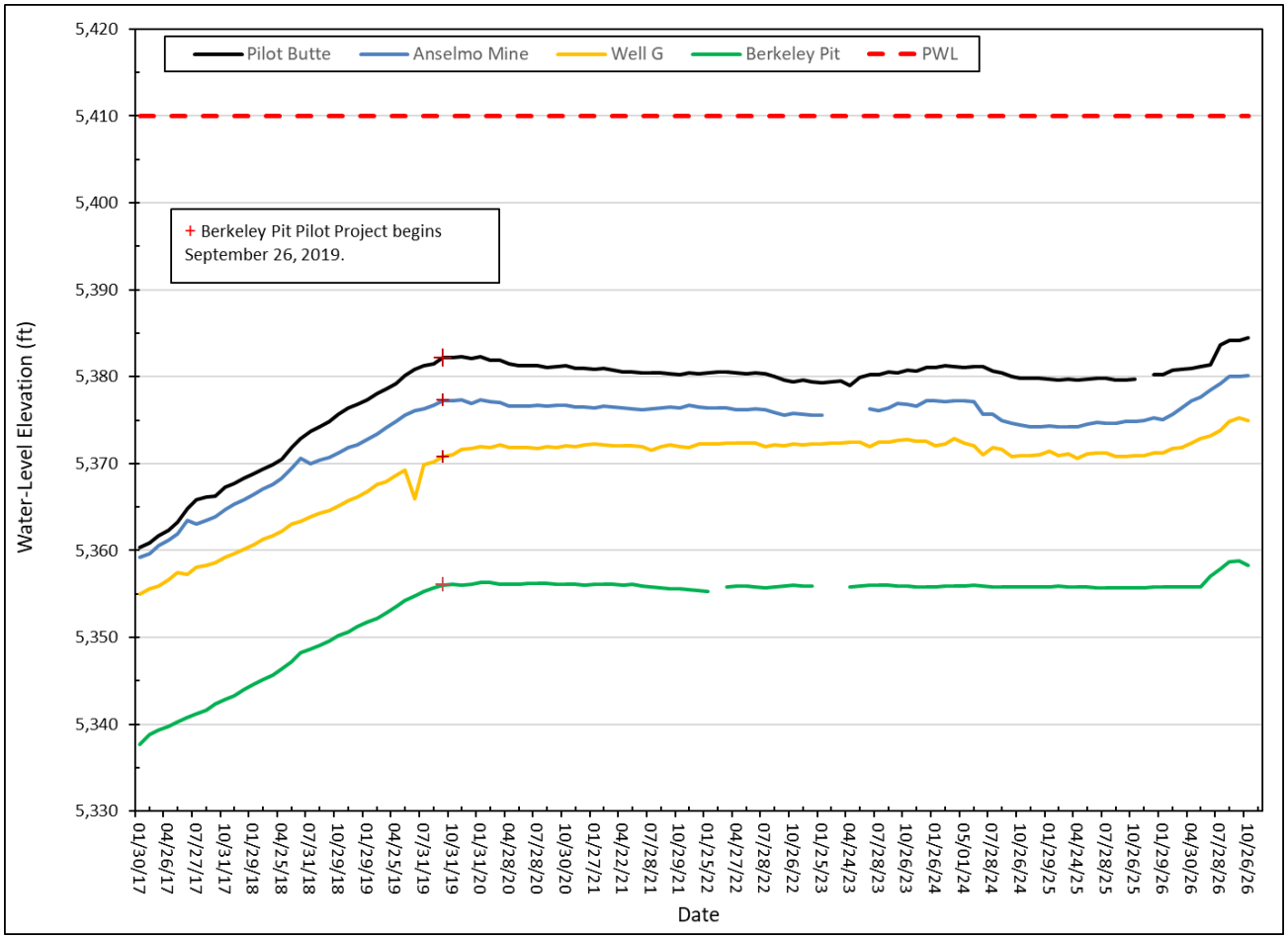

Figure 4. Hydrograph showing influence of Berkeley Pit pumping project on water-level elevations in selected East Camp bedrock sites.

Within the East Camp bedrock system, 11 wells and 6 mine shafts (includes Granite Mountain Mine and Lexington Mine replacement wells – GM-1 and Lex #1) are equipped with pressure transducers that record hourly water-level changes. Copies of the monthly and long-term hydrographs for each site are attached at the end of the report. Figure 5 is a hydrograph showing a comparison of daily average water-level elevations for wells A, C, and G.

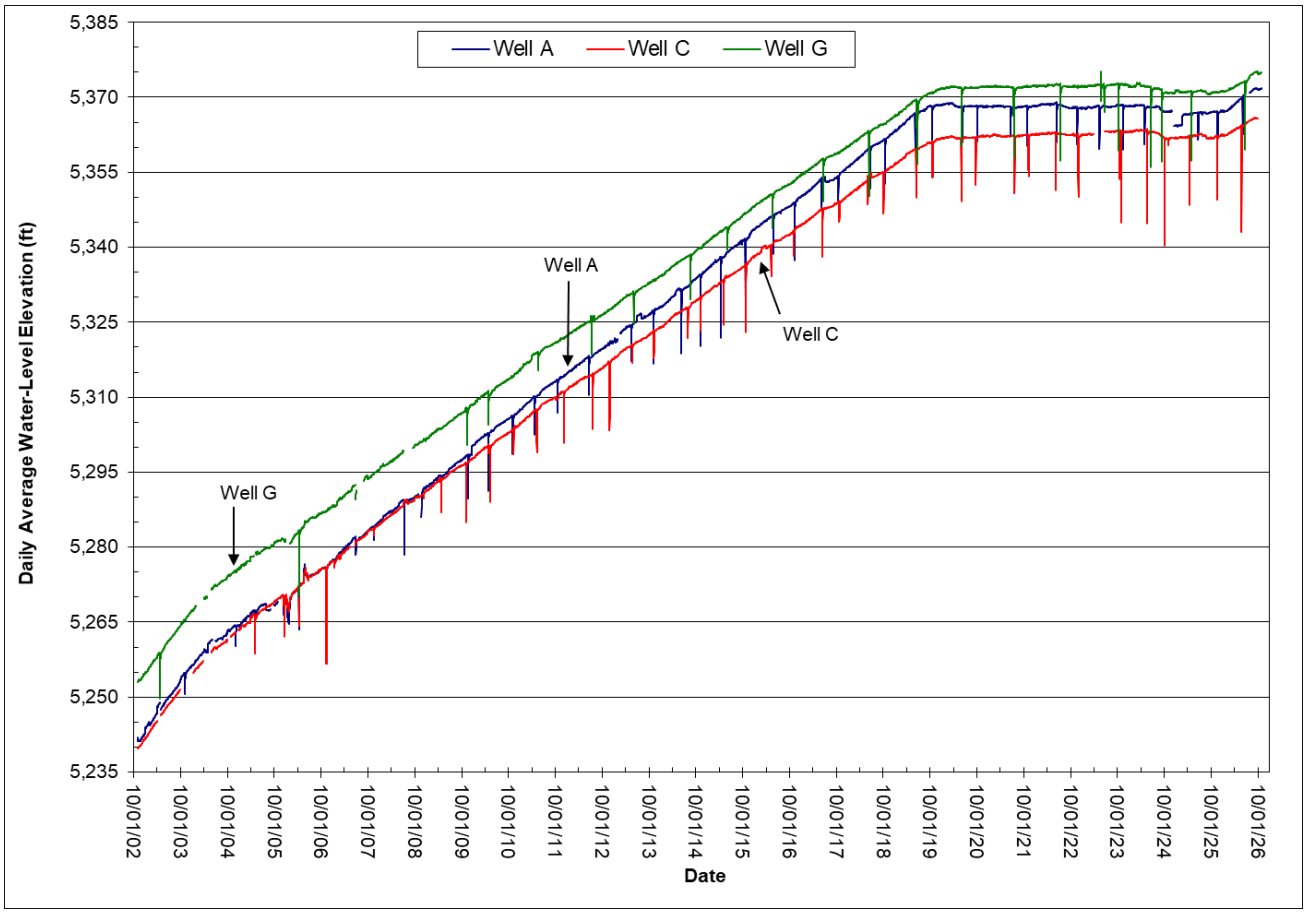

Figure 5. Hydrograph showing water-level elevations for bedrock wells A, C, and G.

West Camp System

The West Camp monitoring system consists of three underground mines: Emma, Ophir, Travona, and six monitoring wells. Table 4 summarizes the water-level changes for the past month within the West Camp bedrock system, along with the maximum changes within each group of monitoring sites.

Monitoring Sites (No. Mines/Wells)	No. Sites Water-level Increased	No. Sites Water-level Decreased	Max. Water-Level Increase	Max. Water-Level Decrease
Mine Shafts (3)	0	3	–	-0.07
Bedrock Wells (6)	2	4	0.32	-1.36

Table 4. West Camp Bedrock Water-Level Changes.

The ROD and CD established a PWL for the West Camp bedrock system of 5,435 ft, as measured at well BMF96-1D; the current water-level is 15 ft. below the West Camp's compliance point. Water levels in the West

(Continued - page 8)

Camp underground mine system are controlled by pumping groundwater from well WCP-1, which is completed in the Travona Mine 800-level workings (approx. 500 ft below ground surface). More than 27.8 acre-ft of water was pumped this past month, with pumping rates varying between 215 and 235 gpm.

Six monitoring wells and two mines in the West Camp are equipped with pressure transducers that record water-level changes every hour. Two of the wells (BMF96-1D and BMF96-1S) are located adjacent to the WCP-1, with well BMF96-1D completed in the same mine workings as WCP-1; well BMF96-1S is completed in the shallow, weathered bedrock. Figure 6 is a hydrograph showing daily average water levels for the two mines and well BMF96-1D through October 2026. The water-level variations seen in these sites are primarily the result of pumping rate changes related to Butte Priority Soils activities.

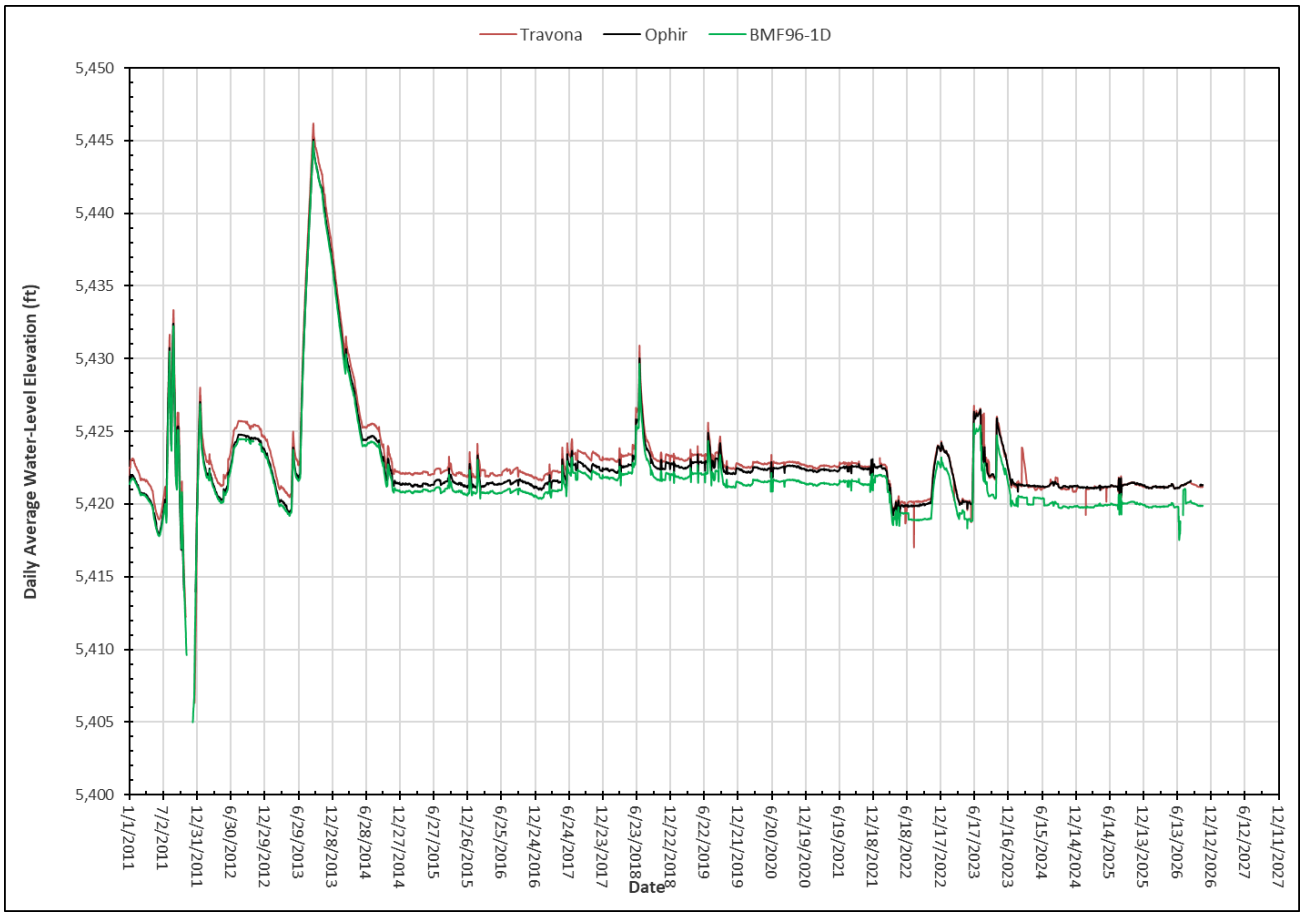

Figure 6. Water-level comparisons for the West Camp underground system.

Outer Camp System

The Outer Camp monitoring system consists of two underground mines and a bedrock well near each mine. Water levels decreased in three of the four sites during October 2026. The Outer Camp has no PWL or compliance monitoring points. Water levels in this area are considered to be at or near pre-mining levels. Continuous water levels are monitored in the Orphan Boy and Marget Ann mines and Tech well by pressure transducers.

(Continued - page 9)

In addition to the four groundwater-monitoring sites, a seep (spring), referred to as the Green Seep, is monitored for the quantity of water flowing from it. Figure 7 shows the flow rate for October 2026; the flow rate at the end of the month was 26 gpm. Increases in flow correspond to precipitation events (rain and snow).

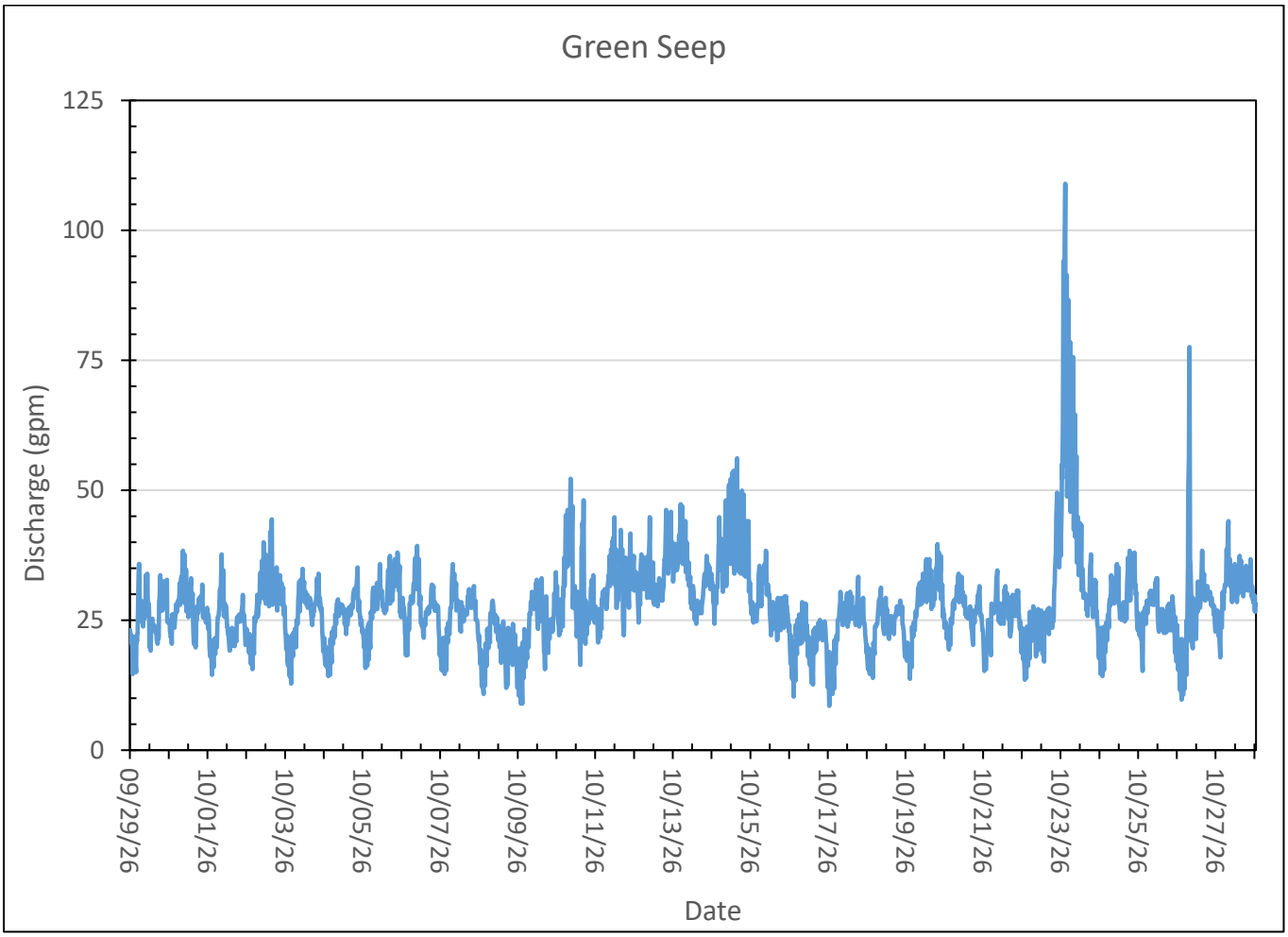

Figure 7. Green Seep flow rate, October 2026.

Water-Quality Sampling

The monthly water sample was collected from the HsB/CS. Copies of results through March (sample collected 3/27/26) are attached at the end of the report.

(Continued - page 10)

Attachment 1. Horseshoe Bend /Capture System Monthly Flow Statistics

Monthly Statistics	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	July-25	Aug-25	Sept-25	Oct-25	Nov-25	Dec-25
Mean Flow (gpm)	2893	2843	3106	3257	3367	3160	2767	2941	2902	2711	2352	1736
Min Flow (gpm)	2755	2719	2995	3107	3260	2723	2715	2894	2844	2602	0.0	0.0
Max Flow (gpm)	3091	3073	3240	3379	3819	3500	2843	3205	3161	2816	2922	2987
Total Flow (MG)	125.0	118.7	125.3	150.1	145.5	145.6	107.6	127.1	150.4	105.4	115.1	55.0
Monthly Statistics	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	July-26	Aug-26	Sept-26	Oct-26	Nov-26	Dec-26
Mean Flow (gpm)	2924	3021	2947	3041	3182	3268	3245	3048	3184	2957		
Min Flow (gpm)	2796	2933	2837	2916	3078	3102	2990	2982	3044	2911		
Max Flow (gpm)	3022	3096	3051	3188	3307	3959	3469	3260	3388	3493		
Total Flow (MG)	151.6	121.8	127.3	153.3	119.1	164.7	130.8	149.2	137.5	132.0		

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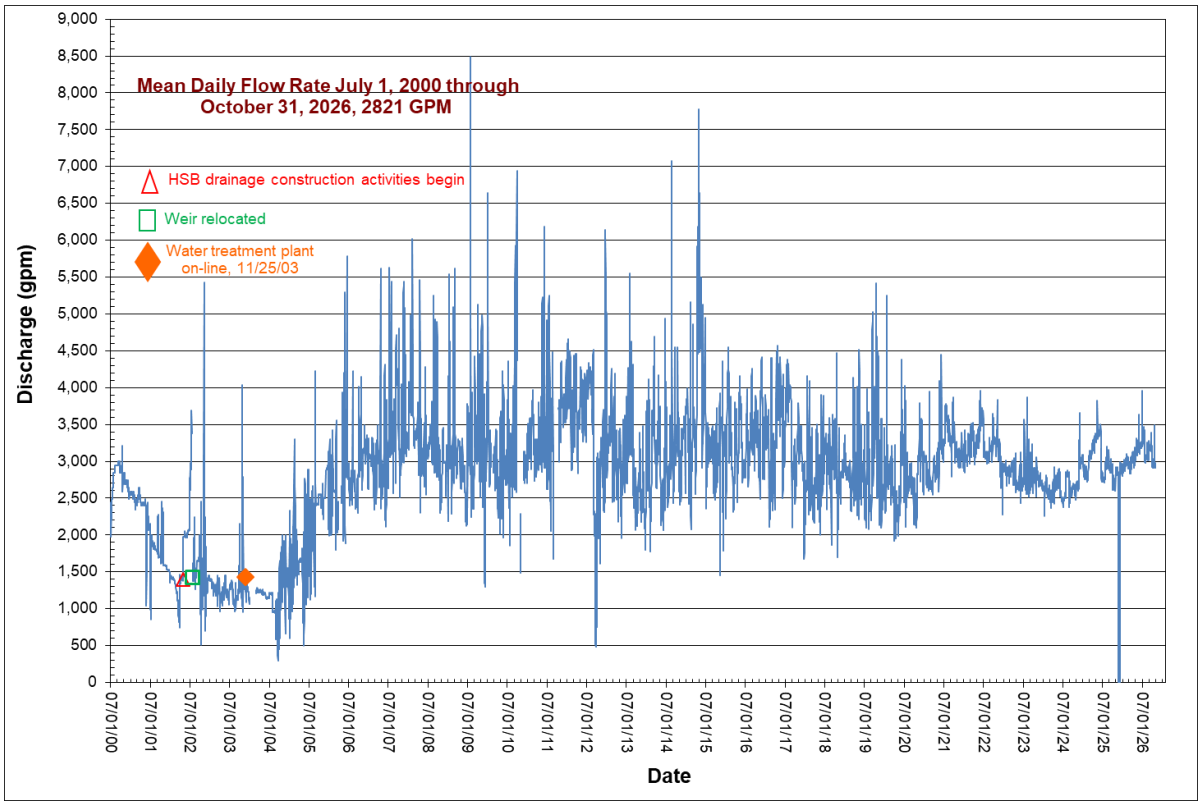

Attachment 2. Long-term flow hydrograph for the Horseshoe Bend/Capture System Area.

Montana Bureau of Mines and Geology
East Camp Alluvial Water-Level Elevations
Site Name/Monthly Elevations

DATE MO/YR	LP-01 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-02 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-03 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-04 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-05 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-06 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)
	TD-200'	SI-177-197'		TD-162'	SI-129.5-159.5'		TD-55.20'	SI-32-52'		TD-150'	SI-128-148'		TD-231'	SI-189-229'		TD-115'	SI-92.2-112.2'	
(MP Elev.)		5619.70			5624.70			5566.00			5585.50			5583.90			5713.18	
Jan-24	157.51	5462.19	-0.20	154.28	5470.42	-0.09	P&A			114.04	5471.46	0.20	143.97	5439.93	-0.12	P&A		
Feb-24	157.69	5462.01	-0.18	153.99	5470.71	0.29	P&A			114.04	5471.46	0.00	144.83	5439.07	-0.86	P&A		
Mar-24	157.77	5461.93	-0.08	154.13	5470.57	-0.14	P&A			113.91	5471.59	0.13	144.08	5439.82	0.75	P&A		
Apr-24	158.20	5461.50	-0.43	154.33	5470.37	-0.20	P&A			114.12	5471.38	-0.21	144.40	5439.50	-0.32	P&A		
May-24	158.61	5461.09	-0.41	154.84	5469.86	-0.51	P&A			114.36	5471.14	-0.24	144.78	5439.12	-0.38	P&A		
Jun-24	158.66	5461.04	-0.05	154.85	5469.85	-0.01	P&A			114.40	5471.10	-0.04	144.85	5439.05	-0.07	P&A		
Jul-24	158.72	5460.98	-0.06	154.39	5470.31	0.46	P&A			114.42	5471.08	-0.02	144.88	5439.02	-0.03	P&A		
Aug-24	158.98	5460.72	-0.26	154.82	5469.88	-0.43	P&A			114.58	5470.92	-0.16	145.11	5438.79	-0.23	P&A		
Sep-24	159.40	5460.30	-0.42	155.04	5469.66	-0.22	P&A			114.87	5470.63	-0.29	145.47	5438.43	-0.36	P&A		
Oct-24	159.33	5460.37	0.07	154.73	5469.97	0.31	P&A			114.73	5470.77	0.14	145.44	5438.46	0.03	P&A		
Nov-24	159.64	5460.06	-0.31	155.26	5469.44	-0.53	P&A			114.88	5470.62	-0.15	145.65	5438.25	-0.21	P&A		
Dec-24	159.41	5460.29	0.23	155.00	5469.70	0.26	P&A			114.55	5470.95	0.33	145.49	5438.41	0.16	P&A		
Yearly Change			**-2.10**			**-0.81**						**-0.31**			**-1.64**			
Jan-25	159.81	5459.89	-0.40	155.38	5469.32	-0.38	P&A			114.79	5470.71	-0.24	145.82	5438.08	-0.33	P&A		
Feb-25	160.22	5459.48	-0.41	156.28	5468.42	-0.90	P&A			115.10	5470.40	-0.31	146.16	5437.74	-0.34	P&A		
Mar-25	160.36	5459.34	-0.14	156.30	5468.40	-0.02	P&A			115.19	5470.31	-0.09	146.28	5437.62	-0.12	P&A		
Apr-25	160.38	5459.32	-0.02	156.14	5468.56	0.16	P&A			115.26	5470.24	-0.07	146.30	5437.60	-0.02	P&A		
May-25	160.58	5459.12	-0.20	156.37	5468.33	-0.23	P&A			115.41	5470.09	-0.15	146.49	5437.41	-0.19	P&A		
Jun-25	160.62	5459.08	-0.04	156.55	5468.15	-0.18	P&A			115.46	5470.04	-0.05	146.56	5437.34	-0.07	P&A		
Jul-25	160.69	5459.01	-0.07	156.84	5467.86	-0.29	P&A			115.62	5469.88	-0.16	146.85	5437.05	-0.29	P&A		
Aug-25	160.93	5458.77	-0.24	157.15	5467.55	-0.31	P&A			115.48	5470.02	0.14	146.84	5437.06	0.01	P&A		
Sep-25	161.05	5458.65	-0.12	156.26	5468.44	0.89	P&A			115.48	5470.02	0.00	146.94	5436.96	-0.10	P&A		
Oct-25	161.47	5458.23	-0.42	156.31	5468.39	-0.05	P&A			115.77	5469.73	-0.29	147.29	5436.61	-0.35	P&A		
Nov-25	161.51	5458.19	-0.04	156.28	5468.42	0.03	P&A			115.79	5469.71	-0.02	147.32	5436.58	-0.03	P&A		
Dec-25	161.37	5458.33	0.14	156.25	5468.45	0.03	P&A			115.71	5469.79	0.08	147.20	5436.70	0.12	P&A		
Yearly Change			**-1.96**			**-1.25**						**-1.16**			**-1.71**			
Jan-26	161.74	5457.96	-0.37	156.28	5468.42	-0.03	P&A			116.03	5469.47	-0.32	147.61	5436.29	-0.41	P&A		
Feb-26	161.37	5458.33	0.37	155.89	5468.81	0.39	P&A			115.86	5469.64	0.17	147.26	5436.64	0.35	P&A		
Mar-26	162.07	5457.63	-0.70	156.19	5468.51	-0.30	P&A			116.38	5469.12	-0.52	147.98	5435.92	-0.72	P&A		
Apr-26	162.11	5457.59	-0.04	156.46	5468.24	-0.27	P&A			116.50	5469.00	-0.12	148.05	5435.85	-0.07	P&A		
May-26	161.79	5457.91	0.32	156.21	5468.49	0.25	P&A			116.44	5469.06	0.06	147.76	5436.14	0.29	P&A		
Jun-26	162.15	5457.55	-0.36	156.37	5468.33	-0.16	P&A			116.69	5468.81	-0.25	148.17	5435.73	-0.41	P&A		
Jul-26	162.04	5457.66	0.11	156.66	5468.04	-0.29	P&A			116.74	5468.76	-0.05	148.11	5435.79	0.06	P&A		
Aug-26	162.17	5457.53	-0.13	156.90	5467.80	-0.24	P&A			116.89	5468.61	-0.15	148.29	5435.61	-0.18	P&A		
Sep-26	162.09	5457.61	0.08	156.21	5468.49	0.69	P&A			116.96	5468.54	-0.07	148.21	5435.69	0.08	P&A		
Oct-26	162.22	5457.48	-0.13	156.21	5468.49	0.00	0.00			117.07	5468.43	-0.11	148.33	5435.57	-0.12	0.00		
Nov-26																		
Dec-26																		
Yearly Change			**-0.85**			**0.04**						**-1.36**			**-1.13**			

Montana Bureau of Mines and Geology
East Camp Alluvial Water-Level Elevations
Site Name/Monthly Elevations

DATE MO/YR	LP-07 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-08 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-09 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-10 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-11 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-12 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)
	TD-101.50'	SI-93-98'		TD-100'	SI-81-96'		TD-107'	SI-82-102'		TD-169'	SI-132-162'		TD-284'	SI-247-277'		TD-133'	SI-110-130'	
(MP Elev.)		5617.00			5577.29			5561.52			5609.12			5609.61			5543.82	5548.71
Jan-24	98.22	5518.78	0.01	94.46	5482.83	4.32	92.65	5468.87	0.07	134.90	5474.22	0.03	P&A			87.99	5455.83	0.34
Feb-24	98.22	5518.78	0.00	94.42	5482.87	0.04	92.94	5468.58	-0.29	134.71	5474.41	0.19	P&A			87.96	5455.86	0.03
Mar-24	98.24	5518.76	-0.02	94.18	5483.11	0.24	92.86	5468.66	0.08	134.72	5474.40	-0.01	P&A			87.81	5456.01	0.15
Apr-24	98.25	5518.75	-0.01	94.32	5482.97	-0.14	93.15	5468.37	-0.29	135.26	5473.86	-0.54	P&A			87.65	5456.17	0.16
May-24	98.26	5518.74	-0.01	94.46	5482.83	-0.14	93.24	5468.28	-0.09	135.05	5474.07	0.21	P&A			87.65	5456.17	0.00
Jun-24	98.21	5518.79	0.05	94.58	5482.71	-0.12	93.20	5468.32	0.04	135.01	5474.11	0.04	P&A			87.47	5456.35	0.18
Jul-24	98.25	5518.75	-0.04	94.80	5482.49	-0.22	93.10	5468.42	0.10	135.08	5474.04	-0.07	P&A			87.39	5456.43	0.08
Aug-24	98.26	5518.74	-0.01	94.83	5482.46	-0.03	93.17	5468.35	-0.07	135.20	5473.92	-0.12	P&A			87.36	5456.46	0.03
Sep-24	98.26	5518.74	0.00	94.83	5482.46	0.00	93.46	5468.06	-0.29	135.24	5473.88	-0.04	P&A			87.46	5456.36	-0.10
Oct-24	98.31	5518.69	-0.05	94.88	5482.41	-0.05	93.31	5468.21	0.15	135.09	5474.03	0.15	P&A			91.93	5456.78	0.42
Nov-24	98.30	5518.70	0.01	94.84	5482.45	0.04	93.42	5468.10	-0.11	135.04	5474.08	0.05	P&A			91.92	5456.79	0.01
Dec-24	98.27	5518.73	0.03	94.86	5482.43	-0.02	92.98	5468.54	0.44	135.01	5474.11	0.03	P&A			91.91	5456.80	0.01
Yearly Change			**-0.04**			**3.92**			**-0.26**			**-0.08**						**1.31**
Jan-25	98.23	5518.77	0.04	94.86	5482.43	0.00	92.91	5468.61	0.07	135.04	5474.08	-0.03	P&A			91.51	5457.20	0.40
Feb-25	98.22	5518.78	0.01	94.91	5482.38	-0.05	93.01	5468.51	-0.10	135.01	5474.11	0.03	P&A			91.47	5457.24	0.04
Mar-25	98.23	5518.77	-0.01	94.89	5482.40	0.02	92.94	5468.58	0.07	135.19	5473.93	-0.18	P&A			91.69	5457.02	-0.22
Apr-25	98.22	5518.78	0.01	94.94	5482.35	-0.05	93.08	5468.44	-0.14	135.21	5473.91	-0.02	P&A			92.02	5456.69	-0.33
May-25	98.24	5518.76	-0.02	94.92	5482.37	0.02	93.12	5468.40	-0.04	135.26	5473.86	-0.05	P&A			92.01	5456.70	0.01
Jun-25	98.23	5518.77	0.01	94.94	5482.35	-0.02	93.26	5468.26	-0.14	135.17	5473.95	0.09	P&A			92.15	5456.56	-0.14
Jul-25	98.21	5518.79	0.02	94.92	5482.37	0.02	93.41	5468.11	-0.15	135.36	5473.76	-0.19	P&A			92.34	5456.37	-0.19
Aug-25	98.24	5518.76	-0.03	94.94	5482.35	-0.02	93.32	5468.20	0.09	135.49	5473.63	-0.13	P&A			92.37	5456.34	-0.03
Sep-25	98.26	5518.74	-0.02	94.97	5482.32	-0.03	93.35	5468.17	-0.03	135.32	5473.80	0.17	P&A			92.48	5456.23	-0.11
Oct-25	98.28	5518.72	-0.02	96.10	5481.19	-1.13	93.63	5467.89	-0.28	135.44	5473.68	-0.12	P&A			92.64	5456.07	-0.16
Nov-25	98.32	5518.68	-0.04	96.11	5481.18	-0.01	93.63	5467.89	0.00	135.41	5473.71	0.03	P&A			92.65	5456.06	-0.01
Dec-25	98.28	5518.72	0.04	96.09	5481.20	0.02	93.54	5467.98	0.09	135.22	5473.90	0.19	P&A			92.56	5456.15	0.09
Yearly Change			**-0.01**			**-1.23**			**-0.56**			**-0.21**						**-0.65**
Jan-26	98.27	5518.73	0.01	96.10	5481.19	-0.01	93.74	5467.78	-0.20	135.50	5473.62	-0.28	P&A			92.73	5455.98	-0.17
Feb-26	98.21	5518.79	0.06	96.03	5481.26	0.07	93.61	5467.91	0.13	135.18	5473.94	0.32	P&A			92.69	5456.02	0.04
Mar-26	98.21	5518.79	0.00	96.04	5481.25	-0.01	93.89	5467.63	-0.28	135.58	5473.54	-0.40	P&A			92.87	5455.84	-0.18
Apr-26	98.23	5518.77	-0.02	96.04	5481.25	0.00	93.94	5467.58	-0.05	135.44	5473.68	0.14	P&A			92.69	5456.02	0.18
May-26	98.25	5518.75	-0.02	96.04	5481.25	0.00	94.00	5467.52	-0.06	135.38	5473.74	0.06	P&A			93.06	5455.65	-0.37
Jun-26	98.26	5518.74	-0.01	96.05	5481.24	-0.01	94.02	5467.50	-0.02	135.19	5473.93	0.19	P&A			93.15	5455.56	-0.09
Jul-26	98.25	5518.75	0.01	96.04	5481.25	0.01	94.12	5467.40	-0.10	135.51	5473.61	-0.32	P&A			93.36	5455.35	-0.21
Aug-26	98.27	5518.73	-0.02	96.05	5481.24	-0.01	94.14	5467.38	-0.02	135.59	5473.53	-0.08	P&A			93.39	5455.32	-0.03
Sep-26	98.27	5518.73	0.00	96.04	5481.25	0.01	94.25	5467.27	-0.11	135.63	5473.49	-0.04	P&A			93.47	5455.24	-0.08
Oct-26	98.30	5518.70	-0.03	96.05	5481.24	-0.01	94.27	5467.25	-0.02	135.66	5473.46	-0.03	0.00			93.42	5455.29	0.05
Nov-26																		
Dec-26																		
Yearly Change			**-0.02**			**0.04**			**-0.73**			**-0.44**						**-0.86**

Montana Bureau of Mines and Geology
East Camp Alluvial Water-Level Elevations
Site Name/Monthly Elevations

DATE MO/YR	LP-13 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-14 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-15 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-16 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	*LP-17 SWL (FT)	ELEV. (FT)	MO. DIFF (FT)	LP-17R SWL (FT)	ELEV. (FT)	MO. DIFF (FT)
	TD-242'	SI-219-239'		TD-108.5'	SI-85-105'		TD-242.5'	SI-218.3-238.3'		TD-126'	SI-103.4-123.4'		TD-222'	SI-201-226'		TD-222'	SI-17-221'	
(MP Elev.)		5543.05	5548.07	5525.68	5526.36	5528.73		5520.23			5519.88			5623.34	5621.54		5619.09	
Jan-24	91.70	5451.35	0.28	70.24	5456.12	0.37	NR			94.47	5425.41	0.20	P&A			179.03	5440.06	0.27
Feb-24	91.82	5451.23	-0.12	70.24	5456.12	0.00	NR			94.65	5425.23	-0.18	P&A			179.20	5439.89	-0.17
Mar-24	91.67	5451.38	0.15	69.95	5456.41	0.29	NR			94.45	5425.43	0.20	P&A			178.90	5440.19	0.30
Apr-24	91.61	5451.44	0.06	69.93	5456.43	0.02	NR			94.43	5425.45	0.02	P&A			178.93	5440.16	-0.03
May-24	91.52	5451.53	0.09	69.83	5456.53	0.10	NR			94.32	5425.56	0.11	P&A			178.84	5440.25	0.09
Jun-24	91.49	5451.56	0.03	69.77	5456.59	0.06	NR			94.25	5425.63	0.07	P&A			178.81	5440.28	0.03
Jul-24	91.45	5451.60	0.04	69.69	5456.67	0.08	NR			94.12	5425.76	0.13	P&A			178.71	5440.38	0.10
Aug-24	91.36	5451.69	0.09	69.65	5456.71	0.04	NR			94.09	5425.79	0.03	P&A			178.66	5440.43	0.05
Sep-24	91.34	5451.71	0.02	69.71	5456.65	-0.06	NR			94.13	5425.75	-0.04	P&A			178.85	5440.24	-0.19
Oct-24	95.99	5452.08	0.37	69.43	5456.93	0.28	NR			93.88	5426.00	0.25	P&A			178.51	5440.58	0.34
Nov-24	95.99	5452.08	0.00	69.38	5456.98	0.05	NR			93.88	5426.00	0.00	P&A			178.53	5440.56	-0.02
Dec-24	95.92	5452.15	0.07	72.36	5456.37	-0.61	NR			93.88	5426.00	0.00	P&A			178.08	5441.01	0.45
Yearly Change			**1.08**			**0.62**			**0.00**			**0.79**			**0.00**			**1.22**
Jan-25	94.94	5453.13	0.98	71.95	5456.78	0.41	NR			92.58	5427.30	1.30	P&A			177.80	5441.29	0.28
Feb-25	95.51	5452.56	-0.57	71.98	5456.75	-0.03	NR			93.16	5426.72	-0.58	P&A			177.78	5441.31	0.02
Mar-25	96.10	5451.97	-0.59	72.34	5456.39	-0.36	NR			93.85	5426.03	-0.69	P&A			178.20	5440.89	-0.42
Apr-25	96.31	5451.76	-0.21	72.69	5456.04	-0.35	NR			94.09	5425.79	-0.24	P&A			178.54	5440.55	-0.34
May-25	96.39	5451.68	-0.08	72.70	5456.03	-0.01	NR			94.03	5425.85	0.06	P&A			178.45	5440.64	0.09
Jun-25	96.50	5451.57	-0.11	72.90	5455.83	-0.20	NR			94.06	5425.82	-0.03	P&A			178.54	5440.55	-0.09
Jul-25	96.60	5451.47	-0.10	73.07	5455.66	-0.17	NR			94.13	5425.75	-0.07	P&A			178.66	5440.43	-0.12
Aug-25	96.59	5451.48	0.01	73.12	5455.61	-0.05	NR			94.03	5425.85	0.10	P&A			178.64	5440.45	0.02
Sep-25	96.48	5451.59	0.11	73.17	5455.56	-0.05	NR			93.94	5425.94	0.09	P&A			178.69	5440.40	-0.05
Oct-25	96.56	5451.51	-0.08	73.31	5455.42	-0.14	NR			94.05	5425.83	-0.11	P&A			178.86	5440.23	-0.17
Nov-25	96.46	5451.61	0.10	73.29	5455.44	0.02	NR			94.02	5425.86	0.03	P&A			178.82	5440.27	0.04
Dec-25	96.45	5451.62	0.01	73.25	5455.48	0.04	NR			93.88	5426.00	0.14	P&A			178.68	5440.41	0.14
Yearly Change			**-0.53**			**-0.89**			**0.00**			**0.00**			**0.00**			**-0.60**
Jan-26	96.51	5451.56	-0.06	73.42	5455.31	-0.17	NR			93.96	5425.92	-0.08	P&A			178.81	5440.28	-0.13
Feb-26	96.50	5451.57	0.01	73.46	5455.27	-0.04	NR			93.91	5425.97	0.05	P&A			178.69	5440.40	0.12
Mar-26	96.75	5451.32	-0.25	73.62	5455.11	-0.16	NR			93.99	5425.89	-0.08	P&A			178.86	5440.23	-0.17
Apr-26	96.86	5451.21	-0.11	73.74	5454.99	-0.12	NR			93.95	5425.93	0.04	P&A			178.87	5440.22	-0.01
May-26	96.86	5451.21	0.00	73.88	5454.85	-0.14	NR			94.03	5425.85	-0.08	P&A			178.96	5440.13	-0.09
Jun-26	96.95	5451.12	-0.09	73.97	5454.76	-0.09	NR			93.98	5425.90	0.05	P&A			178.90	5440.19	0.06
Jul-26	97.03	5451.04	-0.08	74.15	5454.58	-0.18	NR			94.07	5425.81	-0.09	P&A			179.06	5440.03	-0.16
Aug-26	96.92	5451.15	0.11	74.15	5454.58	0.00	NR			94.03	5425.85	0.04	P&A			179.03	5440.06	0.03
Sep-26	96.81	5451.26	0.11	74.18	5454.55	-0.03	NR			93.96	5425.92	0.07	P&A			179.05	5440.04	-0.02
Oct-26	96.67	5451.40	0.14	74.09	5454.64	0.09	NR			93.85	5426.03	0.11	0.00			178.95	5440.14	0.10
Nov-26																		
Dec-26																		
Yearly Change			**-0.22**			**-0.84**			**0.00**			**0.03**			**0.00**			**-0.27**

Montana Bureau of Mines and Geology
1997 Alluvial Wells - Periodic Water-Level Measurements
Montana Resources, Butte, MT

GWIC ID	166372			166373			166374			166375		
	97-1			97-2			97-3			97-4		
Date	SWL	Elevation*	Change	SWL	Elevation*	Change	SWL	Elevation*	Change	SWL	Elevation*	Change
	MP-ToS(ft)	5561.35	(ft)	MP-CT(ft)	5577.42	(ft)	MP-CT(ft)	5591.18	(ft)	MP-CT(ft)	5576.80	(ft)
07/29/24	50.09	5511.26	-0.18	33.72	5543.70	0.03	9.44	5581.74	0.37	P&A		
08/29/24	49.60	5511.75	0.49	33.70	5543.72	0.02	9.39	5581.79	0.05	P&A		
09/30/24	49.71	5511.64	-0.11	33.84	5543.58	-0.14	10.10	5581.08	-0.71	P&A		
10/30/24	49.82	5511.53	-0.11	33.96	5543.46	-0.12	10.45	5580.73	-0.35	P&A		
11/27/24	49.87	5511.48	-0.05	34.08	5543.34	-0.12	10.89	5580.29	-0.44	P&A		
12/26/24	49.55	5511.80	0.32	33.92	5543.50	0.16	10.80	5580.38	0.09	P&A		
01/29/25	49.24	5512.11	0.31	33.87	5543.55	0.05	10.93	5580.25	-0.13	P&A		
02/28/25	48.41	5512.94	0.83	33.81	5543.61	0.06	10.88	5580.30	0.05	P&A		
03/28/25	47.00	5514.35	1.41	33.63	5543.79	0.18	10.35	5580.83	0.53	P&A		
04/24/25	47.18	5514.17	-0.18	33.44	5543.98	0.19	10.42	5580.76	-0.07	P&A		
05/29/25	47.54	5513.81	-0.36	33.29	5544.13	0.15	10.24	5580.94	0.18	P&A		
06/25/25	47.84	5513.51	-0.30	33.14	5544.28	0.15	10.55	5580.63	-0.31	P&A		
07/29/25	47.88	5513.47	-0.04	33.05	5544.37	0.09	10.64	5580.54	-0.09	P&A		
08/25/25	47.92	5513.43	-0.04	32.96	5544.46	0.09	10.53	5580.65	0.11	P&A		
10/02/25	48.99	5512.36	-1.07	33.03	5544.39	-0.07	10.56	5580.62	-0.03	P&A		
10/28/25	49.44	5511.91	-0.45	33.25	5544.17	-0.22	10.74	5580.44	-0.18	P&A		
11/25/25	49.88	5511.47	-0.44	33.42	5544.00	-0.17	10.76	5580.42	-0.02	P&A		
12/24/25	48.99	5512.36	0.89	33.29	5544.13	0.13	10.48	5580.70	0.28	P&A		
01/29/26	46.63	5514.72	2.36	33.08	5544.34	0.21	10.61	5580.57	-0.13	P&A		
02/25/26	46.59	5514.76	0.04	32.88	5544.54	0.20	10.32	5580.86	0.29	P&A		
03/27/26	46.50	5514.85	0.09	32.65	5544.77	0.23	10.19	5580.99	0.13	P&A		
04/28/26	46.52	5514.83	-0.02	32.51	5544.91	0.14	9.99	5581.19	0.20	P&A		
05/27/26	46.63	5514.72	-0.11	32.46	5544.96	0.05	10.04	5581.14	-0.05	P&A		
06/24/26	46.38	5514.97	0.25	32.30	5545.12	0.16	10.15	5581.03	-0.11	P&A		
07/29/26	46.46	5514.89	-0.08	31.98	5545.44	0.32	9.39	5581.79	0.76	P&A		
08/31/26	46.83	5514.52	-0.37	31.68	5545.74	0.30	8.15	5583.03	1.24	P&A		
09/28/26	47.25	5514.10	-0.42	31.71	5545.71	-0.03	9.37	5581.81	-1.22	P&A		
10/29/26	47.56	5513.79	-0.31	31.86	5545.56	-0.15	9.31	5581.87	0.06	P&A		
Total Change			**-0.13**			**-6.86**			**-3.05**			**0.16**

* Elevations are based on MR survey data using AMC datum, corrected to USGS.

Montana Bureau of Mines and Geology
Butte Mine Flooding Monitoring

GWIC ID		4597			4604			4611		
	DATE	AMC-5			AMC-6			AMC-8		
		SWL	Elevation	Mo Change	SWL	Elevation	Mo Change*	SWL	Elevation	Mo Change
			5509.21			5492.48	5489.62		5524.03	
	01/29/24	72.86	5436.35	0.09	33.60	5456.02	-1.49	65.87	5458.16	0.21
	02/27/24	72.72	5436.49	0.14	32.61	5457.01	0.99	65.72	5458.31	0.15
	03/29/24	72.55	5436.66	0.17	32.61	5457.01	0.00	65.55	5458.48	0.17
	04/29/24	72.65	5436.56	-0.10	32.22	5457.40	0.39	65.39	5458.64	0.16
	05/28/24	72.76	5436.45	-0.11	32.73	5456.89	-0.51	65.26	5458.77	0.13
	06/28/24	72.83	5436.38	-0.07	32.78	5456.84	-0.05	65.13	5458.90	0.13
	07/28/24	72.97	5436.24	-0.14	32.81	5456.81	-0.03	65.04	5458.99	0.09
	08/31/24	73.05	5436.16	-0.08	32.74	5456.88	0.07	64.94	5459.09	0.10
	09/25/24	73.14	5436.07	-0.09	32.62	5457.00	0.12	64.87	5459.16	0.07
	10/31/24	73.17	5436.04	-0.03	32.61	5457.01	0.01	64.78	5459.25	0.09
	11/25/24	73.25	5435.96	-0.08	32.75	5456.87	-0.14	64.67	5459.36	0.11
	12/24/24	73.34	5435.87	-0.09	32.88	5456.74	-0.13	64.58	5459.45	0.09
Annual WL Change				**-0.39**			**-0.77**			**1.50**
	01/27/25	73.74	5435.47	-0.40	33.10	5456.52	-0.22	64.50	5459.53	0.08
	02/27/25	73.38	5435.83	0.36	33.20	5456.42	-0.10	64.45	5459.58	0.05
	03/29/25	73.56	5435.65	-0.18	33.33	5456.29	-0.13	64.37	5459.66	0.08
	04/29/25	73.65	5435.56	-0.09	33.09	5456.53	0.24	64.36	5459.67	0.01
	05/28/25	73.59	5435.62	0.06	33.53	5456.09	-0.44	64.37	5459.66	-0.01
	06/28/25	73.63	5435.58	-0.04	33.55	5456.07	-0.02	64.40	5459.63	-0.03
	07/28/25	73.63	5435.58	0.00	33.54	5456.08	0.01	64.46	5459.57	-0.06
	08/31/25	73.51	5435.70	0.12	33.22	5456.40	0.32	64.50	5459.53	-0.04
	09/24/25	73.31	5435.90	0.20	32.98	5456.64	0.24	64.58	5459.45	-0.08
	10/31/25	73.30	5435.91	0.01	33.03	5456.59	-0.05	65.90	5458.13	-1.32
	11/25/25	73.43	5435.78	-0.13	33.15	5456.47	-0.12	65.82	5458.21	0.08
	12/24/25	73.45	5435.76	-0.02	33.33	5456.29	-0.18	65.73	5458.30	0.09
Annual WL Change				**-0.11**			**-0.45**			**-1.15**
	01/27/26	73.59	5435.62	-0.14	33.57	5456.05	-0.24	65.67	5458.36	0.06
	02/23/26	73.64	5435.57	-0.05	33.65	5455.97	-0.08	65.60	5458.43	0.07
	03/29/26	73.59	5435.62	0.05	33.81	5455.81	-0.16	65.55	5458.48	0.05
	04/29/26	73.53	5435.68	0.06	33.86	5455.76	-0.05	65.55	5458.48	0.00
	05/26/26	73.53	5435.68	0.00	33.84	5455.78	0.02	65.56	5458.47	-0.01
	06/29/26	73.56	5435.65	-0.03	33.85	5455.77	-0.01	65.58	5458.45	-0.02
	07/28/26	73.48	5435.73	0.08	33.63	5455.99	0.22	65.60	5458.43	-0.02
	08/31/26	73.26	5435.95	0.22	33.36	5456.26	0.27	65.63	5458.40	-0.03
	09/24/26	73.07	5436.14	0.19	33.19	5456.43	0.17	65.69	5458.34	-0.06
	10/31/26	73.05	5436.16	0.02	33.07	5456.55	0.12	65.73	5458.30	-0.04
	11/25/26									
	12/24/26									
Annual WL Change				**0.40**			**0.26**			**0.00**

Montana Bureau of Mines and Geology
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GWIC ID	155569			4656			4673		
DATE	AMC-10			AMC-12			AMC-13		
	SWL	Elevation	Mo Change	SWL	Elevation	Mo Change	SWL	Elevation	Mo Change
		5511.26			5479.58			5475.34	
01/29/24	DRY			22.77	5456.81	-0.24	20.78	5454.56	-0.24
02/27/24	DRY			22.87	5456.71	-0.10	20.86	5454.48	-0.08
03/29/24	DRY			22.92	5456.66	-0.05	20.80	5454.54	0.06
04/29/24	DRY			22.86	5456.72	0.06	20.78	5454.56	0.02
05/28/24	DRY			22.83	5456.75	0.03	20.73	5454.61	0.05
06/28/24	DRY			22.77	5456.81	0.06	20.72	5454.62	0.01
07/28/24	DRY			22.65	5456.93	0.12	20.64	5454.70	0.08
08/31/24	DRY			22.50	5457.08	0.15	20.56	5454.78	0.08
09/25/24	DRY			22.44	5457.14	0.06	20.52	5454.82	0.04
10/31/24	DRY			22.65	5456.93	-0.21	20.73	5454.61	-0.21
11/25/24	DRY			22.80	5456.78	-0.15	20.93	5454.41	-0.20
12/24/24	DRY			22.99	5456.59	-0.19	21.12	5454.22	-0.19
Annual WL Change			**0.00**			**-0.46**			**-0.58**
01/27/25	DRY			23.29	5456.29	-0.30	21.36	5453.98	-0.24
02/27/25	DRY			23.46	5456.12	-0.17	21.49	5453.85	-0.13
03/29/25	DRY			23.58	5456.00	-0.12	21.56	5453.78	-0.07
04/29/25	DRY			23.68	5455.90	-0.10	21.59	5453.75	-0.03
05/28/25	DRY			23.65	5455.93	0.03	21.42	5453.92	0.17
06/28/25	DRY			23.55	5456.03	0.10	21.31	5454.03	0.11
07/28/25	DRY			23.44	5456.14	0.11	21.19	5454.15	0.12
08/31/25	DRY			23.17	5456.41	0.27	20.94	5454.40	0.25
09/24/25	DRY			22.98	5456.60	0.19	20.87	5454.47	0.07
10/31/25	DRY			23.05	5456.53	-0.07	20.96	5454.38	-0.09
11/25/25	DRY			23.23	5456.35	-0.18	21.11	5454.23	-0.15
12/24/25	DRY			23.41	5456.17	-0.18	21.27	5454.07	-0.16
Annual WL Change			**0.00**			**-0.42**			**-0.15**
01/27/26	DRY			23.67	5455.91	-0.26	21.50	5453.84	-0.23
02/23/26	DRY			23.81	5455.77	-0.14	21.62	5453.72	-0.12
03/29/26	DRY			24.02	5455.56	-0.21	21.75	5453.59	-0.13
04/29/26	DRY			24.06	5455.52	-0.04	21.74	5453.60	0.01
05/26/26	DRY			24.08	5455.50	-0.02	21.74	5453.60	0.00
06/29/26	DRY			23.88	5455.70	0.20	21.45	5453.89	0.29
07/28/26	DRY			24.48	5455.10	-0.60	20.99	5454.35	0.46
08/31/26	DRY			23.20	5456.38	1.28	20.77	5454.57	0.22
09/24/26	DRY			23.03	5456.55	0.17	20.72	5454.62	0.05
10/31/26	DRY			23.06	5456.52	-0.03	20.78	5454.56	-0.06
11/25/26									
12/24/26									
Annual WL Change			**0.00**			**0.35**			**0.49**

Montana Bureau of Mines and Geology
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GWIC ID	4702		
DATE	AMC-15		
	SWL	Elevation	Mo Change
		5559.00	
01/29/24	95.91	5463.09	0.17
02/27/24	95.82	5463.18	0.09
03/29/24	95.68	5463.32	0.14
04/29/24	95.50	5463.50	0.18
05/28/24	95.56	5463.44	-0.06
06/28/24	95.68	5463.32	-0.12
07/28/24	95.93	5463.07	-0.25
08/31/24	95.99	5463.01	-0.06
09/25/24	95.74	5463.26	0.25
10/31/24	95.58	5463.42	0.16
11/25/24	95.57	5463.43	0.01
12/24/24	95.34	5463.66	0.23
Annual WL Change			**0.74**
01/27/25	94.57	5464.43	0.77
02/27/25	95.56	5463.44	-0.99
03/29/25	95.68	5463.32	-0.12
04/29/25	95.92	5463.08	-0.24
05/28/25	96.05	5462.95	-0.13
06/28/25	96.16	5462.84	-0.11
07/28/25	96.40	5462.60	-0.24
08/31/25	96.41	5462.59	-0.01
09/24/25	96.44	5462.56	-0.03
10/31/25	96.23	5462.77	0.21
11/25/25	96.16	5462.84	0.07
12/24/25	96.16	5462.84	0.00
Annual WL Change			**-0.82**
01/27/26	96.34	5462.66	-0.18
02/23/26	96.16	5462.84	0.18
03/29/26	96.53	5462.47	-0.37
04/29/26	96.59	5462.41	-0.06
05/26/26	96.50	5462.50	0.09
06/29/26	96.72	5462.28	-0.22
07/28/26	96.78	5462.22	-0.06
08/31/26	96.80	5462.20	-0.02
09/24/26	96.71	5462.29	0.09
10/31/26	96.54	5462.46	0.17
11/25/26			
12/24/26			
Annual WL Change			**-0.38**

Montana Bureau of Mines and Geology
Butte Mine Flooding Monitoring

GWIC ID	150409			150411			150412			150413		
	GS-44S			GS-44D			GS-46S			GS-46D		
	SWL	ELEV.	Mo. Diff	SWL	ELEV.	Mo. Diff	SWL	ELEV.	Mo. Diff	SWL	ELEV.	Mo. Diff
		5476.20	**5478.45**		5476.20	**5478.48**		5483.80	**5486.18**		5484.00	**5486.32**
01/29/24	22.04	5456.41	-0.30	22.85	5455.63	-0.27	27.53	5458.65	-0.22	27.56	5458.76	-0.16
02/27/24	22.19	5456.26	-0.15	22.92	5455.56	-0.07	27.68	5458.50	-0.15	27.70	5458.62	-0.14
03/29/24	22.21	5456.24	-0.02	22.89	5455.59	0.03	27.81	5458.37	-0.13	27.79	5458.53	-0.09
04/29/24	22.05	5456.40	0.16	22.77	5455.71	0.12	27.82	5458.36	-0.01	27.80	5458.52	-0.01
05/28/24	22.06	5456.39	-0.01	22.79	5455.69	-0.02	27.84	5458.34	-0.02	27.84	5458.48	-0.04
06/27/24	21.99	5456.46	0.07	22.76	5455.72	0.03	27.82	5458.36	0.02	27.86	5458.46	-0.02
07/27/24	21.81	5456.64	0.18	22.65	5455.83	0.11	27.70	5458.48	0.12	27.75	5458.57	0.11
08/31/24	21.67	5456.78	0.14	22.55	5455.93	0.10	27.51	5458.67	0.19	27.59	5458.73	0.16
09/25/24	21.65	5456.80	0.02	22.51	5455.97	0.04	27.40	5458.78	0.11	27.45	5458.87	0.14
10/26/24	21.88	5456.57	-0.23	22.69	5455.79	-0.18	27.50	5458.68	-0.10	27.53	5458.79	-0.08
11/25/24	22.13	5456.32	-0.25	22.90	5455.58	-0.21	27.66	5458.52	-0.16	27.69	5458.63	-0.16
12/24/24	22.36	5456.09	-0.23	23.09	5455.39	-0.19	27.88	5458.30	-0.22	27.87	5458.45	-0.18
Yearly Change			**-0.62**			**-0.51**			**-0.57**			**-0.47**
01/27/25	22.66	5455.79	-0.30	23.35	5455.13	-0.26	28.11	5458.07	-0.23	28.06	5458.26	-0.19
02/27/25	22.86	5455.59	-0.20	23.52	5454.96	-0.17	28.29	5457.89	-0.18	28.24	5458.08	-0.18
03/29/25	22.96	5455.49	-0.10	23.61	5454.87	-0.09	28.43	5457.75	-0.14	28.41	5457.91	-0.17
04/28/25	23.02	5455.43	-0.06	23.64	5454.84	-0.03	28.63	5457.55	-0.20	28.46	5457.86	-0.05
05/28/25	22.91	5455.54	0.11	23.55	5454.93	0.09	28.69	5457.49	-0.06	28.64	5457.68	-0.18
06/27/25	22.68	5455.77	0.23	23.43	5455.05	0.12	28.56	5457.62	0.13	28.57	5457.75	0.07
07/27/25	22.48	5455.97	0.20	23.29	5455.19	0.14	28.35	5457.83	0.21	28.40	5457.92	0.17
08/31/25	22.19	5456.26	0.29	23.03	5455.45	0.26	28.11	5458.07	0.24	28.16	5458.16	0.24
09/24/25	22.10	5456.35	0.09	22.90	5455.58	0.13	27.81	5458.37	0.30	27.90	5458.42	0.26
10/26/25	22.25	5456.20	-0.15	23.01	5455.47	-0.11	27.91	5458.27	-0.10	27.96	5458.36	-0.06
11/25/25	22.42	5456.03	-0.17	23.18	5455.30	-0.17	28.09	5458.09	-0.18	28.11	5458.21	-0.15
12/24/25	22.64	5455.81	-0.22	23.36	5455.12	-0.18	28.29	5457.89	-0.20	28.29	5458.03	-0.18
Yearly Change			**-0.28**			**-0.27**			**-0.41**			**-0.42**
01/27/26	22.92	5455.53	-0.28	23.60	5454.88	-0.24	28.52	5457.66	-0.23	28.52	5457.80	-0.23
02/23/26	23.02	5455.43	-0.10	23.76	5454.72	-0.16	28.70	5457.48	-0.18	28.69	5457.63	-0.17
03/29/26	23.16	5455.29	-0.14	23.88	5454.60	-0.12	28.90	5457.28	-0.20	28.87	5457.45	-0.18
04/28/26	23.31	5455.14	-0.15	23.91	5454.57	-0.03	29.05	5457.13	-0.15	28.99	5457.33	-0.12
05/26/26	23.31	5455.14	0.00	23.93	5454.55	-0.02	29.11	5457.07	-0.06	29.07	5457.25	-0.08
06/29/26	23.03	5455.42	0.28	23.65	5454.83	0.28	29.02	5457.16	0.09	28.97	5457.35	0.10
07/27/26	22.36	5456.09	0.67	23.19	5455.29	0.46	28.63	5457.55	0.39	28.61	5457.71	0.36
08/31/26	22.07	5456.38	0.29	22.91	5455.57	0.28	28.14	5458.04	0.49	28.09	5458.23	0.52
09/24/26	22.01	5456.44	0.06	22.91	5455.57	0.00	27.90	5458.28	0.24	28.00	5458.32	0.09
10/26/26	22.15	5456.30	-0.14	22.89	5455.59	0.02	27.93	5458.25	-0.03	27.88	5458.44	0.12
11/25/26												
12/24/26												
Yearly Change			**0.49**			**0.47**			**0.36**			**0.41**

Measuring point elevations changed October 2008 for wells GS-44S, GS-44D, GS-46S, and GS-46D

Montana Bureau of Mines and Geology
Butte Mine Flooding Monitoring

GWIC ID	137598			247722			166182			222920		
	AMW-8	5499.98		AMW-20			AMW-22			BMF05-1		
	SWL	ELEV.	Mo. Diff	SWL	Elev	Mo. Diff	SWL	ELEV.	Mo. Diff	SWL	ELEV.	Mo. Diff
		5496.34	**5496.05**	5486.78	5487.27	(ft)	5497.42	5505.14	(ft)		5481.95	(ft)
01/29/24	42.49	5457.49	-0.19	28.19	5459.08	-0.10	47.67	5457.47	-0.06	24.26	5457.69	-0.14
02/27/24	42.60	5457.38	-0.11	28.29	5458.98	-0.10	47.68	5457.46	-0.01	24.36	5457.59	-0.10
03/29/24	42.65	5457.33	-0.05	27.64	5459.63	0.65	47.69	5457.45	-0.01	24.27	5457.68	0.09
04/29/24	42.66	5457.32	-0.01	28.08	5459.19	-0.44	47.80	5457.34	-0.11	24.34	5457.61	-0.07
05/28/24	42.67	5457.31	-0.01	28.43	5458.84	-0.35	47.85	5457.29	-0.05	23.79	5458.16	0.55
06/27/24	42.66	5457.32	0.01	28.48	5458.79	-0.05	47.91	5457.23	-0.06	24.45	5457.50	-0.66
07/27/24	42.64	5457.34	0.02	28.49	5458.78	-0.01	47.96	5457.18	-0.05	24.45	5457.50	0.00
08/31/24	42.57	5457.41	0.07	28.34	5458.93	0.15	47.87	5457.27	0.09	24.31	5457.64	0.14
09/25/24	42.47	5457.51	0.10	28.51	5458.76	-0.17	47.76	5457.38	0.11	24.22	5457.73	0.09
10/26/24	42.53	5457.45	-0.06	28.51	5458.76	0.00	47.71	5457.43	0.05	24.30	5457.65	-0.08
11/25/24	42.66	5457.32	-0.13	28.77	5458.50	-0.26	47.75	5457.39	-0.04	24.49	5457.46	-0.19
12/24/24	42.94	5457.04	-0.28	29.17	5458.10	-0.40	47.84	5457.30	-0.09	24.81	5457.14	-0.32
Yearly Change			**-0.64**			**-1.08**			**-0.23**			**-0.69**
01/27/25	43.07	5456.91	-0.13	29.29	5457.98	-0.12	48.03	5457.11	-0.19	24.96	5456.99	-0.15
02/27/25	43.26	5456.72	-0.19	29.48	5457.79	-0.19	48.11	5457.03	-0.08	25.07	5456.88	-0.11
03/29/25	43.40	5456.58	-0.14	29.38	5457.89	0.10	48.26	5456.88	-0.15	25.19	5456.76	-0.12
04/28/25	43.56	5456.42	-0.16	29.30	5457.97	0.08	48.49	5456.65	-0.23	25.32	5456.63	-0.13
05/28/25	43.64	5456.34	-0.08	28.88	5458.39	0.42	48.57	5456.57	-0.08	25.28	5456.67	0.04
06/27/25	43.59	5456.39	0.05	28.95	5458.32	-0.07	48.64	5456.50	-0.07	25.22	5456.73	0.06
07/27/25	43.52	5456.46	0.07	28.86	5458.41	0.09	48.68	5456.46	-0.04	25.17	5456.78	0.05
08/31/25	43.40	5456.58	0.12	28.40	5458.87	0.46	48.51	5456.63	0.17	24.85	5457.10	0.32
09/24/25	43.19	5456.79	0.21	28.01	5459.26	0.39	48.29	5456.85	0.22	24.56	5457.39	0.29
10/26/25	43.12	5456.86	0.07	28.29	5458.98	-0.28	48.23	5456.91	0.06	24.67	5457.28	-0.11
11/25/25	43.17	5456.81	-0.05	28.68	5458.59	-0.39	48.22	5456.92	0.01	24.81	5457.14	-0.14
12/24/25	43.31	5456.67	-0.14	28.79	5458.48	-0.11	48.48	5456.66	-0.26	25.09	5456.86	-0.28
Yearly Change			**-0.37**			**0.38**			**-0.64**			**-0.28**
01/27/26	43.57	5456.41	-0.26	28.87	5458.40	-0.08	48.66	5456.48	-0.18	25.23	5456.72	-0.14
02/23/26	43.56	5456.42	0.01	29.02	5458.25	-0.15	48.73	5456.41	-0.07	25.34	5456.61	-0.11
03/29/26	43.80	5456.18	-0.24	28.74	5458.53	0.28	48.91	5456.23	-0.18	25.52	5456.43	-0.18
04/28/26	43.90	5456.08	-0.10	28.55	5458.72	0.19	49.04	5456.10	-0.13	25.67	5456.28	-0.15
05/26/26	43.91	5456.07	-0.01	27.99	5459.28	0.56	49.13	5456.01	-0.09	25.51	5456.44	0.16
06/29/26	43.91	5456.07	0.00	28.33	5458.94	-0.34	49.20	5455.94	-0.07	25.45	5456.50	0.06
07/27/26	43.70	5456.28	0.21	27.88	5459.39	0.45	48.96	5456.18	0.24	25.05	5456.90	0.40
08/31/26	43.10	5456.88	0.60	27.95	5459.32	-0.07	48.70	5456.44	0.26	24.81	5457.14	0.24
09/24/26	43.22	5456.76	-0.12	28.25	5459.02	-0.30	48.50	5456.64	0.20	24.65	5457.30	0.16
10/26/26	43.13	5456.85	0.09	28.22	5459.05	0.03	48.55	5456.59	-0.05	24.64	5457.31	0.01
11/25/26												
12/24/26												
Yearly Change			**0.18**			**0.57**			**-0.07**			**0.45**

Montana Bureau of Mines and Geology
Butte Mine Flooding Monitoring

GWIC ID	222921			224152			224153		
	BMF05-2			BMF05-3			BMF05-4		
	SWL	ELEV.	Mo. Diff	SWL	ELEV.[1)]	Mo. Diff	SWL	ELEV.	Mo. Diff
		5504.96	(ft)	5501.29	5500.17	(ft)		5542.37	(ft)
01/29/24	45.40	5459.56	-0.07	38.28	5461.89	-0.12	78.93	5463.44	0.15
02/27/24	45.42	5459.54	-0.02	38.49	5461.68	-0.21	78.83	5463.54	0.10
03/29/24	45.39	5459.57	0.03	38.55	5461.62	-0.06	78.75	5463.62	0.08
04/29/24	45.39	5459.57	0.00	38.61	5461.56	-0.06	78.61	5463.76	0.14
05/28/24	45.45	5459.51	-0.06	38.68	5461.49	-0.07	78.69	5463.68	-0.08
06/27/24	45.50	5459.46	-0.05	38.89	5461.28	-0.21	79.17	5463.20	-0.48
07/27/24	45.45	5459.51	0.05	38.84	5461.33	0.05	79.06	5463.31	0.11
08/31/24	45.35	5459.61	0.10	38.67	5461.50	0.17	79.29	5463.08	-0.23
09/25/24	45.15	5459.81	0.20	38.39	5461.78	0.28	78.82	5463.55	0.47
10/26/24	45.02	5459.94	0.13	38.27	5461.90	0.12	78.62	5463.75	0.20
11/25/24	45.07	5459.89	-0.05	38.34	5461.83	-0.07	78.65	5463.72	-0.03
12/24/24	45.08	5459.88	-0.01	38.47	5461.70	-0.13	78.47	5463.90	0.18
Yearly Change			**0.25**			**-0.31**			**0.61**
01/27/25	45.24	5459.72	-0.16	38.69	5461.48	-0.22	78.49	5463.88	-0.02
02/27/25	45.34	5459.62	-0.10	38.88	5461.29	-0.19	78.69	5463.68	-0.20
03/29/25	45.57	5459.39	-0.23	39.07	5461.10	-0.19	78.82	5463.55	-0.13
04/28/25	45.77	5459.19	-0.20	39.29	5460.88	-0.22	79.06	5463.31	-0.24
05/28/25	45.94	5459.02	-0.17	39.43	5460.74	-0.14	79.19	5463.18	-0.13
06/27/25	46.04	5458.92	-0.10	39.41	5460.76	0.02	79.36	5463.01	-0.17
07/27/25	46.08	5458.88	-0.04	39.43	5460.74	-0.02	79.58	5462.79	-0.22
08/31/25	45.99	5458.97	0.09	39.23	5460.94	0.20	79.59	5462.78	-0.01
09/24/25	45.79	5459.17	0.20	38.96	5461.21	0.27	79.55	5462.82	0.04
10/26/25	45.71	5459.25	0.08	38.82	5461.35	0.14	79.35	5463.02	0.20
11/25/25	45.72	5459.24	-0.01	38.87	5461.30	-0.05	79.27	5463.10	0.08
12/24/25	45.84	5459.12	-0.12	39.09	5461.08	-0.22	79.28	5463.09	-0.01
Yearly Change			**-0.76**			**-0.62**			**-0.81**
01/27/26	46.06	5458.90	-0.22	39.28	5460.89	-0.19	79.44	5462.93	-0.16
02/23/26	46.12	5458.84	-0.06	39.41	5460.76	-0.13	79.37	5463.00	0.07
03/29/26	46.33	5458.63	-0.21	39.67	5460.50	-0.26	79.69	5462.68	-0.32
04/28/26	46.46	5458.50	-0.13	39.78	5460.39	-0.11	79.76	5462.61	-0.07
05/26/26	46.59	5458.37	-0.13	40.05	5460.12	-0.27	79.75	5462.62	0.01
06/29/26	46.68	5458.28	-0.09	39.94	5460.23	0.11	79.91	5462.46	-0.16
07/27/26	46.57	5458.39	0.11	39.67	5460.50	0.27	80.27	5462.10	-0.36
08/31/26	46.41	5458.55	0.16	39.50	5460.67	0.17	80.00	5462.37	0.27
09/24/26	46.16	5458.80	0.25	39.13	5461.04	0.37	79.83	5462.54	0.17
10/26/26	46.04	5458.92	0.12	38.97	5461.20	0.16	79.72	5462.65	0.11
11/25/26									
12/24/26									
Yearly Change			**-0.20**			**0.12**			**-0.44**

1) Measuring point elevation changed April 2006 when well fitted with surface mount cap.

Montana Bureau of Mines and Geology
Bedrock Water-Level Elevations
East Camp Mines and Bedrock Wells
Site Name/Monthly Elevations

DATE	ANSELMO*	ELEV	MO. DIFF	BELMONT	ELEV	MO. DIFF	BERKELEY PIT	MO. DIFF	GRANITE MTN	ELEV	MO. DIFF	GRANITE MTN	ELEV	MO. DIFF	KELLEY	ELEV	MO. DIFF	STEWARD	ELEV	MO. DIFF
MO/YR	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	ELEV (FT)(1)	(FT)	MINE SWL (FT)	(FT)	(FT)	WELL SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)
(MP Elev)	5783.80	5782.10			5604.00					6051.80			6084.52		5877.52	5905.34	5906.27		5856.45	
Jan-24	404.91	5377.19	0.00	NA			5355.83	0.04	Abandoned			714.26	5370.26	-0.05	537.96	5368.31	-0.10	483.59	5372.86	-0.03
Feb-24	404.93	5377.17	-0.02	NA			5355.85	0.02	Abandoned			714.10	5370.42	0.16	537.65	5368.62	0.31	483.31	5373.14	0.28
Mar-24	404.91	5377.19	0.02	NA			5355.93	0.08	Abandoned			713.97	5370.55	0.13	537.79	5368.48	-0.14	483.41	5373.04	-0.10
May-24	404.92	5377.18	-0.01	NA			5355.95	0.02	Abandoned			714.21	5370.31	-0.24	538.02	5368.25	-0.23	483.66	5372.79	-0.25
May-24	404.97	5377.13	-0.05	NA			5355.97	0.02	Abandoned			714.18	5370.34	0.03	537.98	5368.29	0.04	483.65	5372.80	0.01
Jun-24	406.46	5375.64	-1.49	NA			5355.92	-0.05	Abandoned			714.17	5370.35	0.01	538.11	5368.16	-0.13	483.62	5372.83	0.03
Jul-24	406.44	5375.66	0.02	NA			5355.81	-0.11	Abandoned			714.49	5370.03	-0.32	538.21	5368.06	-0.10	484.11	5372.34	-0.49
Aug-24	407.11	5374.99	-0.67	NA			5355.79	-0.02	Abandoned			714.61	5369.91	-0.12	538.38	5367.89	-0.17	484.26	5372.19	-0.15
Sep-24	407.49	5374.61	-0.38	NA			5355.81	0.02	Abandoned			715.00	5369.52	-0.39	538.71	5367.56	-0.33	484.53	5371.92	-0.27
Oct-24	407.70	5374.40	-0.21	NA			5355.84	0.03	Abandoned			715.39	5369.13	-0.39	538.86	5367.41	-0.15	484.61	5371.84	-0.08
Nov-24	407.90	5374.20	-0.20	NA			5355.82	-0.02	Abandoned			715.47	5369.05	-0.08	539.11	5367.16	-0.25	484.72	5371.73	-0.11
Dec-24	407.91	5374.19	-0.01	NA			5355.81	-0.01	Abandoned			715.47	5369.05	0.00	539.17	5367.10	-0.06	484.74	5371.71	-0.02
Yearly Change			-3.00					0.02			0.00			-1.26			-1.31			-1.18
Jan-25	407.78	5374.32	0.13	NA			5355.80	-0.01	Abandoned			715.29	5369.23	0.18	539.12	5367.15	0.05	484.64	5371.81	0.10
Feb-25	407.85	5374.25	-0.07	NA			5355.86	0.06	Abandoned			715.43	5369.09	-0.14	539.21	5367.06	-0.09	484.77	5371.68	-0.13
Mar-25	407.87	5374.23	-0.02	NA			5355.83	-0.03	Abandoned			715.45	5369.07	-0.02	539.26	5367.01	-0.05	484.99	5371.46	-0.22
Apr-25	407.84	5374.26	0.03	NA			5355.81	-0.02	Abandoned			715.41	5369.11	0.04	539.19	5367.08	0.07	485.14	5371.31	-0.15
May-25	407.57	5374.53	0.27	NA			5355.76	-0.05	Abandoned			715.14	5369.38	0.27	538.92	5367.35	0.27	484.94	5371.51	0.20
Jun-25	407.34	5374.76	0.23	NA			5355.72	-0.04	Abandoned			714.93	5369.59	0.21	538.80	5367.47	0.12	484.83	5371.62	0.11
Jul-25	407.45	5374.65	-0.11	NA			5355.71	-0.01	Abandoned			715.15	5369.37	-0.22	538.76	5367.51	0.04	485.03	5371.42	-0.20
Aug-25	407.47	5374.63	-0.02	NA			5355.74	0.03	Abandoned			715.14	5369.38	0.01	538.98	5367.29	-0.22	485.06	5371.39	-0.03
Sep-25	407.25	5374.85	0.22	NA			5355.74	0.00	Abandoned			714.86	5369.66	0.28	538.65	5367.62	0.33	484.80	5371.65	0.26
Oct-25	407.28	5374.82	-0.03	NA			5355.70	-0.04	Abandoned			714.95	5369.57	-0.09	538.65	5367.62	0.00	484.77	5371.68	0.03
Nov-25	407.20	5374.90	0.08	NA			5355.74	0.04	Abandoned			714.98	5369.54	-0.03	538.62	5367.65	0.03	484.85	5371.60	-0.08
Dec-25	406.84	5375.26	0.36	NA			5355.77	0.03	Abandoned			714.53	5369.99	0.45	538.21	5368.06	0.41	484.61	5371.84	0.24
Yearly Change			1.07					-0.04			0.00			0.94			0.96			0.13
Jan-26	407.08	5375.02	-0.24	NA			5355.79	0.02	Abandoned			714.85	5369.67	-0.32	538.34	5367.93	-0.13	484.65	5371.80	-0.04
Feb-26	406.46	5375.64	0.62	NA			5355.80	0.01	Abandoned			714.11	5370.41	0.74	537.74	5368.53	0.60	484.04	5372.41	0.61
Mar-26	405.66	5376.44	0.80	NA			5355.83	0.03	Abandoned			713.48	5371.04	0.63	536.90	5369.37	0.84	483.34	5373.11	0.70
Apr-26	404.91	5377.19	0.75	NA			5355.80	-0.03	Abandoned			712.91	5371.61	0.57	536.29	5369.98	0.61	482.70	5373.75	0.64
May-26	404.42	5377.68	0.49	NA			5355.84	0.04	Abandoned			712.29	5372.23	0.62	535.73	5370.54	0.56	482.20	5374.25	0.50
Jun-26	403.61	5378.49	0.81	NA			5357.05	1.21	Abandoned			711.46	5373.06	0.83	534.69	5371.58	1.04	481.67	5374.78	0.53
Jul-26	402.86	5379.24	0.75	NA			5357.91	0.86	Abandoned			710.82	5373.70	0.64	533.94	5372.33	0.75	480.97	5375.48	0.70
Aug-26	402.10	5380.00	0.76	NA			5358.68	0.77	Abandoned			709.97	5374.55	0.85	533.29	5372.98	0.65	480.35	5376.10	0.62
Sep-26	402.08	5380.02	0.02	NA			5358.79	0.11	Abandoned			710.17	5374.35	-0.20	533.24	5373.03	0.05	480.21	5376.24	0.14
Oct-26	401.99	5380.11	0.09	NA			5358.27	-0.52	Abandoned			710.05	5374.47	0.12	533.13	5373.14	0.11	480.28	5376.17	-0.07
Nov-26																				
Dec-26																				
Yearly Change			4.85					2.50			0.00			4.48			5.08			4.33

* Measuring point elevation changed 3/91.

Dec 1992 Kelley Mine SWL is 1/21/93 measurement.

Kelley Mine measuring point changed 6/99; 11/08 measuring point elevation change.

(1) 12/97 Berkeley Pit water level adjusted based upon Cashell Engineers survey data. Correction lowered water-level 1.11ft.

SWL - Static water-level, in feet, below ground surface
ELEV - Water-level elevation, in feet USGS Datum)
NA - No water-level available due to access problems or obstructions
East Camp-Bdr-Sites-SWL-2021-26-ted

Montana Bureau of Mines and Geology
Bedrock Water-Level Elevations
East Camp Mines and Bedrock Wells
Site Name/Monthly Elevations

DATE	WELL A	ELEV	MO. DIFF	WELL B	ELEV	MO. DIFF	WELL C	ELEV	MO. DIFF	WELL D-1	ELEV	MO. DIFF	WELL D-2	ELEV	MO. DIFF	WELL E	ELEV	MO. DIFF	WELL F	ELEV	MO. DIFF
MO/YR	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)
(MP Elev)	5525.00	5526.51	5528.47		5557.82			5578.00			5591.54			5579.50			5562.40			5487.48	
Jan-24	158.24	5368.27	0.05	142.35	5415.47	-0.01	214.83	5363.17	0.04	225.33	5366.21	0.01	214.06	5365.44	-0.05	157.32	5405.08	-0.19	33.65	5453.83	-0.11
Feb-24	158.07	5368.44	0.17	142.26	5415.56	0.09	214.60	5363.40	0.23	225.21	5366.33	0.12	213.73	5365.77	0.33	157.20	5405.20	0.12	33.80	5453.68	-0.15
Mar-24	158.09	5368.42	-0.02	142.25	5415.57	0.01	214.56	5363.44	0.04	225.23	5366.31	-0.02	211.66	5367.84	2.07	157.36	5405.04	-0.16	33.83	5453.65	-0.03
May-24	158.25	5368.26	-0.16	142.60	5415.22	-0.35	214.66	5363.34	-0.10	225.44	5366.10	-0.21	214.08	5365.42	-2.42	157.69	5404.71	-0.33	33.81	5453.67	0.02
May-24	158.58	5367.93	-0.33	143.05	5414.77	-0.45	214.99	5363.01	-0.33	225.70	5365.84	-0.26	214.28	5365.22	-0.20	158.09	5404.31	-0.40	33.94	5453.54	-0.13
Jun-24	158.64	5367.87	-0.06	142.94	5414.88	0.11	214.88	5363.12	0.11	225.59	5365.95	0.11	214.12	5365.38	0.16	158.06	5404.34	0.03	33.95	5453.53	-0.01
Jul-24	158.57	5367.94	0.07	143.01	5414.81	-0.07	215.09	5362.91	-0.21	225.65	5365.89	-0.06	214.19	5365.31	-0.07	158.25	5404.15	-0.19	33.87	5453.61	0.08
Aug-24	158.59	5367.92	-0.02	143.15	5414.67	-0.14	215.47	5362.53	-0.38	225.96	5365.58	-0.31	214.26	5365.24	-0.07	158.49	5403.91	-0.24	33.75	5453.73	0.12
Sep-24	159.41	5367.10	-0.82	143.29	5414.53	-0.14	216.22	5361.78	-0.75	226.32	5365.22	-0.36	214.45	5365.05	-0.19	158.65	5403.75	-0.16	33.65	5453.83	0.10
Oct-24	159.41	5367.10	0.00	143.77	5414.05	-0.48	216.34	5361.66	-0.12	226.35	5365.19	-0.03	214.45	5365.05	0.00	158.70	5403.70	-0.05	33.50	5453.98	0.15
Nov-24	159.43	5367.08	-0.02	144.49	5413.33	-0.72	216.13	5361.87	0.21	226.25	5365.29	0.10	214.89	5364.61	-0.44	159.03	5403.37	-0.33	33.62	5453.86	-0.12
Dec-24	162.12	5366.35	-0.73	143.57	5414.25	0.92	215.97	5362.03	0.16	226.17	5365.37	0.08	215.08	5364.42	-0.19	158.11	5404.29	0.92	33.93	5453.55	-0.31
Yearly Change			-1.87			-1.23			-1.10			-0.83			-1.07			-0.98			-0.39
Jan-25	162.10	5366.37	0.02	143.70	5414.12	-0.13	215.99	5362.01	-0.02	226.41	5365.13	-0.24	215.60	5363.90	-0.52	158.22	5404.18	-0.11	34.03	5453.45	-0.10
Feb-25	162.07	5366.40	0.03	143.67	5414.15	0.03	216.05	5361.95	-0.06	226.08	5365.46	0.33	214.69	5364.81	0.91	158.51	5403.89	-0.29	34.33	5453.15	-0.30
Mar-25	161.87	5366.60	0.20	143.73	5414.09	-0.06	215.95	5362.05	0.10	226.02	5365.52	0.06	213.35	5366.15	1.34	158.96	5403.44	-0.45	34.47	5453.01	-0.14
Apr-25	161.82	5366.65	0.05	143.69	5414.13	0.04	215.94	5362.06	0.01	226.05	5365.49	-0.03	213.77	5365.73	-0.42	159.03	5403.37	-0.07	34.71	5452.77	-0.24
May-25	161.64	5366.83	0.18	143.78	5414.04	-0.09	215.68	5362.32	0.26	226.02	5365.52	0.03	214.66	5364.84	-0.89	159.44	5402.96	-0.41	34.92	5452.56	-0.21
Jun-25	161.71	5366.76	-0.07	143.65	5414.17	0.13	215.47	5362.53	0.21	225.95	5365.59	0.07	214.55	5364.95	0.11	159.33	5403.07	0.11	34.84	5452.64	0.08
Jul-25	161.62	5366.85	0.09	143.69	5414.13	-0.04	215.69	5362.31	-0.22	226.04	5365.50	-0.09	214.67	5364.83	-0.12	159.59	5402.81	-0.26	34.81	5452.67	0.03
Aug-25	161.78	5366.69	-0.16	143.81	5414.01	-0.12	216.09	5361.91	-0.40	226.16	5365.38	-0.12	214.78	5364.72	-0.11	159.62	5402.78	-0.03	34.56	5452.92	0.25
Sep-25	161.48	5366.99	0.30	143.66	5414.16	0.15	216.01	5361.99	0.08	226.05	5365.49	0.11	214.61	5364.89	0.17	159.55	5402.85	0.07	34.28	5453.20	0.28
Oct-25	161.47	5367.00	0.01	143.75	5414.07	-0.09	215.26	5362.74	0.75	226.20	5365.34	-0.15	214.68	5364.82	-0.07	159.72	5402.68	-0.17	34.20	5453.28	0.08
Nov-25	162.25	5366.22	-0.78	143.93	5413.89	-0.18	216.03	5361.97	-0.77	226.23	5365.31	-0.03	214.83	5364.67	-0.15	159.76	5402.64	-0.04	34.26	5453.22	-0.06
Dec-25	161.18	5367.29	1.07	143.52	5414.30	0.41	215.52	5362.48	0.51	225.89	5365.65	0.34	214.54	5364.96	0.29	159.57	5402.83	0.19	34.32	5453.16	-0.06
Yearly Change			0.94			0.05			0.45			0.28			0.54			-1.46			-0.39
Jan-26	161.29	5367.18	-0.11	143.79	5414.03	-0.27	215.62	5362.38	-0.10	226.17	5365.37	-0.28	214.78	5364.72	-0.24	160.00	5402.40	-0.43	34.59	5452.89	-0.27
Feb-26	160.64	5367.83	0.65	143.35	5414.47	0.44	215.03	5362.97	0.59	225.52	5366.02	0.65	214.17	5365.33	0.61	159.58	5402.82	0.42	34.71	5452.77	-0.12
Mar-26	160.10	5368.37	0.54	143.56	5414.26	-0.21	214.70	5363.30	0.33	225.44	5366.10	0.08	213.95	5365.55	0.22	159.98	5402.42	-0.40	34.95	5452.53	-0.24
Apr-26	159.39	5369.08	0.71	143.39	5414.43	0.17	214.23	5363.77	0.47	224.99	5366.55	0.45	213.45	5366.05	0.50	159.98	5402.42	0.00	35.10	5452.38	-0.15
May-26	158.74	5369.73	0.65	143.11	5414.71	0.28	213.74	5364.26	0.49	224.32	5367.22	0.67	212.96	5366.54	0.49	159.65	5402.75	0.33	35.03	5452.45	0.07
Jun-26	158.44	5370.03	0.30	143.55	5414.27	-0.44	213.47	5364.53	0.27	224.17	5367.37	0.15	212.67	5366.83	0.29	159.86	5402.54	-0.21	35.02	5452.46	0.01
Jul-26	157.52	5370.95	0.92	142.80	5415.02	0.75	212.65	5365.35	0.82	223.34	5368.20	0.83	211.84	5367.66	0.83	159.64	5402.76	0.22	34.76	5452.72	0.26
Aug-26	156.94	5371.53	0.58	142.52	5415.30	0.28	212.29	5365.71	0.36	222.87	5368.67	0.47	211.48	5368.02	0.36	159.58	5402.82	0.06	34.27	5453.21	0.49
Sep-26	156.74	5371.73	0.20	142.29	5415.53	0.23	212.18	5365.82	0.11	222.65	5368.89	0.22	211.29	5368.21	0.19	159.32	5403.08	0.26	33.90	5453.58	0.37
Oct-26	156.72	5371.75	0.02	142.85	5414.97	-0.56	0.00	5578.00	212.18	222.64	5368.90	0.01	211.25	5368.25	0.04	159.21	5403.19	0.11	33.81	5453.67	0.09
Nov-26																					
Dec-26																					
Yearly Change			4.46			0.67			215.52			3.25			3.29			0.36			0.51

SWL - Static water-level, in feet, below ground surface
ELEV - Water-level elevation, in feet USGS Datum)
NA - No water-level available due to access problems or obstructions
East Camp-Bdr-Sites-SWL-2021-26-ted

Montana Bureau of Mines and Geology
Bedrock Water-Level Elevations
East Camp Mines and Bedrock Wells
Site Name/Monthly Elevations

DATE	WELL G	ELEV	MO. DIFF	WELL H	ELEV	MO. DIFF	WELL J	ELEV	MO. DIFF	LEXINGTON	ELEV	MO. DIFF	LEX-#1	ELEV	MO. DIFF	PILOT BUTTE	ELEV	MO. DIFF	BELMONT 1	ELEV	MO. DIFF	BELMONT 2
MO/YR	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)	(FT)	(FT)	SWL (FT)
(MP Elev)		5537.56			5572.82		5530.03	5530.99			6216.59			6275.19			6056.98			5600.82		
Jan-24	165.46	5372.10	-0.42	Plugged&abandoned			172.42	5358.57	0.05	839.82	5376.77	0.02				675.91	5381.07	-0.02	135.09	5465.73	-7.47	235.40
Feb-24	165.27	5372.29	0.19	Plugged&abandoned			172.40	5358.59	0.02	839.51	5377.08	0.31				675.68	5381.30	0.23	135.70	5465.12	-0.61	235.36
Mar-24	164.72	5372.84	0.55	Plugged&abandoned			172.62	5358.37	-0.22	839.65	5376.94	-0.14				675.77	5381.21	-0.09	135.94	5464.88	-0.24	235.56
May-24	165.25	5372.31	-0.53	Plugged&abandoned			172.80	5358.19	-0.18	839.80	5376.79	-0.15				675.89	5381.09	-0.12	135.93	5464.89	0.01	235.73
May-24	165.50	5372.06	-0.25	Plugged&abandoned			172.91	5358.08	-0.11	NR						675.83	5381.15	0.06	136.58	5464.24	-0.65	235.85
Jun-24	166.52	5371.04	-1.02	Plugged&abandoned			172.68	5358.31	0.23	NR						675.87	5381.11	-0.04	136.55	5464.27	0.03	235.63
Jul-24	165.75	5371.81	0.77	Plugged&abandoned			172.91	5358.08	-0.23	NR						676.31	5380.67	-0.44	136.32	5464.50	0.23	236.05
Aug-24	165.96	5371.60	-0.21	Plugged&abandoned			173.24	5357.75	-0.33	NR						676.58	5380.40	-0.27	125.90	5474.92	10.42	236.26
Sep-24	166.73	5370.83	-0.77	Plugged&abandoned			173.65	5357.34	-0.41	NR						676.95	5380.03	-0.37	125.43	5475.39	0.47	236.51
Oct-24	166.69	5370.87	0.04	Plugged&abandoned			173.87	5357.12	-0.22	NR						677.21	5379.77	-0.26	130.99	5469.83	-5.56	236.82
Nov-24	166.68	5370.88	0.01	Plugged&abandoned			173.81	5357.18	0.06	NR						677.21	5379.77	0.00	135.58	5465.24	-4.59	236.92
Dec-24	166.54	5371.02	0.14	Plugged&abandoned			173.77	5357.22	0.04	NR						677.21	5379.77	0.00	140.29	5460.53	-4.71	236.98
Yearly Change			-1.50						-1.30			0.04						-1.32			-12.67	
Jan-25	166.14	5371.42	0.40	Plugged&abandoned			173.76	5357.23	0.01	NR						677.24	5379.74	-0.03	139.26	5461.56	1.03	237.02
Feb-25	166.66	5370.90	-0.52	Plugged&abandoned			173.72	5357.27	0.04	NR						677.42	5379.56	-0.18	140.15	5460.67	-0.89	237.11
Mar-25	166.48	5371.08	0.18	Plugged&abandoned			173.58	5357.41	0.14	NR						677.28	5379.70	0.14	141.03	5459.79	-0.88	237.04
Apr-25	166.99	5370.57	-0.51	Plugged&abandoned			173.47	5357.52	0.11	NR						677.39	5379.59	-0.11	142.23	5458.59	-1.20	237.05
May-25	166.48	5371.08	0.51	Plugged&abandoned			173.29	5357.70	0.18	NR						677.31	5379.67	0.08	142.68	5458.14	-0.45	236.61
Jun-25	166.32	5371.24	0.16	Plugged&abandoned			172.98	5358.01	0.31	NR						677.21	5379.77	0.10	142.68	5458.14	0.00	236.60
Jul-25	166.38	5371.18	-0.06	Plugged&abandoned			173.22	5357.77	-0.24	NR						677.14	5379.84	0.07	143.73	5457.09	-1.05	236.78
Aug-25	166.72	5370.84	-0.34	Plugged&abandoned			173.25	5357.74	-0.03	NR						677.32	5379.66	-0.18	136.03	5464.79	7.70	236.71
Sep-25	166.77	5370.79	-0.05	Plugged&abandoned			173.04	5357.95	0.21	NR						677.33	5379.65	-0.01	130.63	5470.19	5.40	236.19
Oct-25	166.61	5370.95	0.16	Plugged&abandoned			173.03	5357.96	0.01	NR						677.23	5379.75	0.10	131.11	5469.71	-0.48	234.22
Nov-25	166.66	5370.90	-0.05	Plugged&abandoned			173.04	5357.95	-0.01	NR						NA			134.77	5466.05	-3.66	236.18
Dec-25	166.29	5371.27	0.37	Plugged&abandoned			172.64	5358.35	0.40	NR						676.79	5380.19	0.44	137.46	5463.36	-2.69	235.83
Yearly Change			0.25						1.13			0.00						0.42			2.83	
Jan-26	166.32	5371.24	-0.03	Plugged&abandoned			172.62	5358.37	0.02	NR						676.73	5380.25	0.06	143.32	5457.50	-5.86	235.98
Feb-26	165.85	5371.71	0.47	Plugged&abandoned			171.66	5359.33	0.96	NR			901.55	5373.64		676.20	5380.78	0.53	146.55	5454.27	-3.23	235.31
Mar-26	165.73	5371.83	0.12	Plugged&abandoned			171.21	5359.78	0.45	NR			901.07	5374.12	0.48	676.16	5380.82	0.04	151.55	5449.27	-5.00	234.51
Apr-26	165.18	5372.38	0.55	Plugged&abandoned			170.45	5360.54	0.76	NR			900.38	5374.81	0.69	676.00	5380.98	0.16	153.68	5447.14	-2.13	233.95
May-26	164.65	5372.91	0.53	Plugged&abandoned			169.93	5361.06	0.52	NR			899.76	5375.43	0.62	675.79	5381.19	0.21	155.88	5444.94	-2.20	233.42
Jun-26	164.42	5373.14	0.23	Plugged&abandoned			169.37	5361.62	0.56	NR			899.13	5376.06	0.63	675.62	5381.36	0.17	154.24	5446.58	1.64	232.92
Jul-26	163.72	5373.84	0.70	Plugged&abandoned			168.42	5362.57	0.95	NR			898.34	5376.85	0.79	673.35	5383.63	2.27	150.68	5450.14	3.56	232.21
Aug-26	162.74	5374.82	0.98	Plugged&abandoned			167.82	5363.17	0.60	NR			897.68	5377.51	0.66	672.80	5384.18	0.55	146.59	5454.23	4.09	231.38
Sep-26	162.34	5375.22	0.40	Plugged&abandoned			168.12	5362.87	-0.30	NR			897.45	5377.74	0.23	672.81	5384.17	-0.01	140.03	5460.79	6.56	231.10
Oct-26	162.60	5374.96	-0.26	Plugged&abandoned			168.18	5362.81	-0.06	NR			897.31	5377.88	0.14	672.51	5384.47	0.30	142.35	5458.47	-2.32	231.04
Nov-26																						
Dec-26																						
Yearly Change			3.69						4.46			0.00			4.24			4.28			-4.89	

SWL - Static water-level, in feet, below ground surface
ELEV - Water-level elevation, in feet USGS Datum)
NA - No water-level available due to access problems or obstructions
East Camp-Bdr-Sites-SWL-2021-26-ted

Montana Bureau of Mines and Geology
Bedrock Water-Level Elevations
East Camp Mines and Bedrock Wells
Site Name/Monthly Elevations

DATE MO/YR	ELEV (FT)	MO. DIFF (FT)
(MP Elev)	5602.72	
Jan-24	5367.32	-0.05
Feb-24	5367.36	0.04
Mar-24	5367.16	-0.20
May-24	5366.99	-0.17
May-24	5366.87	-0.12
Jun-24	5367.09	0.22
Jul-24	5366.67	-0.42
Aug-24	5366.46	-0.21
Sep-24	5366.21	-0.25
Oct-24	5365.90	-0.31
Nov-24	5365.80	-0.10
Dec-24	5365.74	-0.06
Yearly Change		-1.63
Jan-25	5365.70	-0.04
Feb-25	5365.61	-0.09
Mar-25	5365.68	0.07
Apr-25	5365.67	-0.01
May-25	5366.11	0.44
Jun-25	5366.12	0.01
Jul-25	5365.94	-0.18
Aug-25	5366.01	0.07
Sep-25	5366.53	0.52
Oct-25	5368.50	1.97
Nov-25	5366.54	-1.96
Dec-25	5366.89	0.35
Yearly Change		1.15
Jan-26	5366.74	-0.15
Feb-26	5367.41	0.67
Mar-26	5368.21	0.80
Apr-26	5368.77	0.56
May-26	5369.30	0.53
Jun-26	5369.80	0.50
Jul-26	5370.51	0.71
Aug-26	5371.34	0.83
Sep-26	5371.62	0.28
Oct-26	5371.68	0.06
Nov-26		
Dec-26		
Yearly Change		4.79

SWL - Static water-level, in feet, below ground surface
ELEV - Water-level elevation, in feet USGS Datum)
NA - No water-level available due to access problems or obstructions
East Camp-Bdr-Sites-SWL-2021-26-ted

Montana Bureau of Mines and Geology
Butte Mine Flooding Monitoring

GWIC ID		4647			157638			4644		
		Parrot Park Well			Belmont Well #1			Hebgen Park Well		
Agency	Date	SWL(ft)	Elev(ft)	Diff (ft)**	SWL(ft)	Elev(ft)	Diff (ft)**	SWL(ft)	Elev(ft)	Diff (ft)**
	(mm/dd/yy)	(mp=ct)	5520.66		(mp=ct)	5600.82		(mp=ct)	5516.15	
MBMG	01/27/25	116.48	5404.18	-0.83	139.26	5461.56	1.03	28.17	5487.98	-2.71
MBMG	02/24/25	117.14	5403.52	-0.66	140.15	5460.67	-0.89	27.08	5489.07	1.09
MBMG	03/28/25	117.81	5402.85	-0.67	141.03	5459.79	-0.88	27.72	5488.43	-0.64
MBMG	04/28/25	118.53	5402.13	-0.72	142.23	5458.59	-1.20	28.27	5487.88	-0.55
MBMG	05/27/25	119.20	5401.46	-0.67	142.68	5458.14	-0.45	28.46	5487.69	-0.19
MBMG	06/27/25	119.54	5401.12	-0.34	142.68	5458.14	0.00	27.92	5488.23	0.54
MBMG	07/29/25	118.64	5402.02	0.90	143.73	5457.09	-1.05	27.77	5488.38	0.15
MBMG	08/26/25	117.79	5402.87	0.85	136.03	5464.79	7.70	27.14	5489.01	0.63
MBMG	09/25/25	114.17	5406.49	3.62	130.63	5470.19	5.40	26.86	5489.29	0.28
MBMG	10/29/25	111.58	5409.08	2.59	131.11	5469.71	-0.48	26.76	5489.39	0.10
MBMG	11/24/25	111.61	5409.05	-0.03	134.77	5466.05	-3.66	26.91	5489.24	-0.15
MBMG	12/24/25	112.61	5408.05	-1.00	137.46	5463.36	-2.69	27.09	5489.06	-0.18
MBMG	01/27/26	114.35	5406.31	-1.74	143.32	5457.50	-5.86	27.59	5488.56	-0.50
MBMG	02/23/26	115.21	5405.45	-0.86	146.55	5454.27	-3.23	27.98	5488.17	-0.39
MBMG	03/26/26	115.18	5405.48	0.03	151.55	5449.27	-5.00	28.66	5487.49	-0.68
MBMG	04/27/26	117.07	5403.59	-1.89	153.68	5447.14	-2.13	29.08	5487.07	-0.42
MBMG	05/26/26	117.83	5402.83	-0.76	155.88	5444.94	-2.20	29.05	5487.10	0.03
MBMG	06/29/26	118.59	5402.07	-0.76	154.24	5446.58	1.64	28.70	5487.45	0.35
MBMG	07/29/26	116.80	5403.86	1.79	150.68	5450.14	3.56	27.50	5488.65	1.20
MBMG	08/31/26	113.25	5407.41	3.55	146.59	5454.23	4.09	26.33	5489.82	1.17
MBMG	09/28/26	111.70	5408.96	1.55	140.03	5460.79	6.56	25.46	5490.69	0.87
MBMG	10/27/26	111.26	5409.40	0.44	142.35	5458.47	-2.32	25.22	5490.93	0.24
TOTAL CHANGE ==>			FROM 11/94==>	9.25		FROM 8/96 ==>	-53.43			-3.80

Montana Bureau of Mines and Geology
Butte Mine Flooding
West Camp Water-Levels

SITE NAME/MONTHLY ELEVATIONS															
DATE	**TRAVONA**	**ELEV**	**MO. DIFF**	**EMMA**	**ELEV**	**MO. DIFF**	**OPHIR**	**ELEV**	**MO. DIFF**	**WELL 21**	**ELEV**	**MO. DIFF**	**CHESTER STEELE**	**ELEV**	**MO. DIFF**
MO/YR	**SWL (FT)**	**(FT)**	**(FT)**	**SWL (FT)**	**(FT)**	**(FT)**	**SWL (FT)**	**(FT)**	**(FT)**	**SWL (FT)**	**(FT)**	**(FT)**	**SWL (FT)**	**(FT)**	**(FT)**
(MP Elev)		5590.60	5591.98		5636.80			5530.29	5533.16		5471.50			5629.57	
01/24/22	169.21	5422.77	0.02	214.83	5421.97	0.10	110.53	5422.63	-0.02				51.28	5578.29	-2.81
02/22/22	169.39	5422.59	-0.18	215.05	5421.75	-0.22	110.80	5422.36	-0.27				54.11	5575.46	-2.83
03/29/22	172.14	5419.84	-2.75	217.50	5419.30	-2.45	113.21	5419.95	-2.41				57.35	5572.22	-3.24
04/25/22	172.31	5419.67	-0.17	217.93	5418.87	-0.43	113.67	5419.49	-0.46				59.93	5569.64	-2.58
05/25/22	171.88	5420.10	0.43	217.48	5419.32	0.45	113.30	5419.86	0.37				46.69	5582.88	13.24
06/27/22	171.82	5420.16	0.06	217.47	5419.33	0.01	113.33	5419.83	-0.03				43.47	5586.10	3.22
07/26/22	171.79	5420.19	0.03	217.44	5419.36	0.03	113.25	5419.91	0.08				44.37	5585.20	-0.90
08/30/22	171.81	5420.17	-0.02	217.46	5419.34	-0.02	113.26	5419.90	-0.01				43.85	5585.72	0.52
09/29/22	171.77	5420.21	0.04	217.40	5419.40	0.06	113.15	5420.01	0.11				43.71	5585.86	0.14
10/27/22	171.73	5420.25	0.04	217.21	5419.59	0.19	113.26	5419.90	-0.11				43.28	5586.29	0.43
11/28/22	168.00	5423.98	3.73	214.35	5422.45	2.86	109.37	5423.79	3.89				45.51	5584.06	-2.23
12/29/22	168.10	5423.88	-0.10	213.67	5423.13	0.68	109.31	5423.85	0.06				48.74	5580.83	-3.23
Yearly Change			1.13			1.26			1.20			0.00			-0.27
01/26/23	168.67	5423.31	-0.57	214.30	5422.50	-0.63	109.86	5423.30	-0.55				51.58	5577.99	-2.84
02/27/23	170.31	5421.67	-1.64	216.05	5420.75	-1.75	111.55	5421.61	-1.69				54.29	5575.28	-2.71
03/29/23	171.91	5420.07	-1.60	216.57	5420.23	-0.52	113.14	5420.02	-1.59				57.29	5572.28	-3.00
04/24/23	171.74	5420.24	0.17	216.40	5420.40	0.17	113.00	5420.16	0.14				57.89	5571.68	-0.60
05/25/23	171.94	5420.04	-0.20	216.56	5420.24	-0.16	113.18	5419.98	-0.18				42.09	5587.48	15.80
06/27/23	165.76	5426.22	6.18	210.37	5426.43	6.19	107.07	5426.09	6.11				37.61	5591.96	4.48
07/26/23	168.29	5423.69	-2.53	212.86	5423.94	-2.49	109.19	5423.97	-2.12				38.33	5591.24	-0.72
08/30/23	169.95	5422.03	-1.66	214.58	5422.22	-1.72	111.07	5422.09	-1.88				32.39	5597.18	5.94
09/27/23	170.15	5421.83	-0.20	215.69	5421.11	-1.11	111.14	5422.02	-0.07				32.96	5596.61	-0.57
10/27/23	166.76	5425.22	3.39	212.40	5424.40	3.29	107.91	5425.25	3.23				34.30	5595.27	-1.34
11/28/23	168.76	5423.22	-2.00	214.34	5422.46	-1.94	109.74	5423.42	-1.83				36.86	5592.71	-2.56
12/29/23	170.73	5421.25	-1.97	216.35	5420.45	-2.01	111.61	5421.55	-1.87				39.49	5590.08	-2.63
Yearly Change			-2.63			-2.68			-2.30			0.00			9.25
01/29/24	170.84	5421.14	-0.11	216.44	5420.36	-0.09	111.85	5421.31	-0.24				43.52	5586.05	-4.03
02/27/24	170.76	5421.22	0.08	216.35	5420.45	0.09	111.86	5421.30	-0.01				44.87	5584.70	-1.35
03/29/24	170.84	5421.14	-0.08	216.42	5420.38	-0.07	111.90	5421.26	-0.04				47.04	5582.53	-2.17
04/29/24	170.76	5421.22	0.08	216.36	5420.44	0.06	111.91	5421.25	-0.01				48.03	5581.54	-0.99
05/28/24	170.81	5421.17	-0.05	216.40	5420.40	-0.04	111.96	5421.20	-0.05				48.97	5580.60	-0.94
06/27/24	170.81	5421.17	0.00	216.41	5420.39	-0.01	111.97	5421.19	-0.01				48.10	5581.47	0.87
07/26/24	170.71	5421.27	0.10	216.26	5420.54	0.15	111.81	5421.35	0.16				32.42	5597.15	15.68
08/30/24	170.55	5421.43	0.16	216.15	5420.65	0.11	111.65	5421.51	0.16				32.11	5597.46	0.31
09/26/24	171.00	5420.98	-0.45	216.56	5420.24	-0.41	112.02	5421.14	-0.37				36.49	5593.08	-4.38
10/27/24	170.94	5421.04	0.06	216.54	5420.26	0.02	111.96	5421.20	0.06				39.97	5589.60	-3.48
10/27/24	170.94	5421.04	0.06	216.54	5420.26	0.02	111.96	5421.20	0.06				39.97	5589.60	-3.48
11/26/24	170.89	5421.09	0.05	216.51	5420.29	0.03	111.95	5421.21	0.01				42.20	5587.37	-2.23
12/24/24	170.79	5421.19	0.10	216.52	5420.28	-0.01	111.89	5421.27	0.06				44.08	5585.49	-1.88
Yearly Change			0.00			-0.15			-0.22			0.00			-8.07
01/28/25	170.96	5421.02	-0.17	216.56	5420.24	-0.04	112.01	5421.15	-0.12				47.00	5582.57	-2.92
02/27/25	170.91	5421.07	0.05	216.61	5420.19	-0.05	112.03	5421.13	-0.02				49.39	5580.18	-2.39
03/29/25	170.87	5421.11	0.04	216.50	5420.30	0.11	112.05	5421.11	-0.02				51.09	5578.48	-1.70
04/29/25	170.85	5421.13	0.02	216.44	5420.36	0.06	112.03	5421.13	0.02				52.53	5577.04	-1.44
05/28/25	170.84	5421.14	0.01	216.44	5420.36	0.00	111.99	5421.17	0.04				39.60	5589.97	12.93
06/27/25	170.74	5421.24	0.10	216.31	5420.49	0.13	111.88	5421.28	0.11				40.94	5588.63	-1.34
07/26/25	170.98	5421.00	-0.24	216.67	5420.13	-0.36	112.19	5420.97	-0.31				41.07	5588.50	-0.13
08/30/25	170.69	5421.29	0.29	216.25	5420.55	0.42	111.86	5421.30	0.33				37.97	5591.60	3.10
09/24/25	170.58	5421.40	0.11	216.16	5420.64	0.09	111.76	5421.40	0.10				39.47	5590.10	-1.50
10/27/25	170.55	5421.43	0.03	216.15	5420.65	0.01	111.74	5421.42	0.02				40.41	5589.16	-0.94
11/26/25	170.68	5421.30	-0.13	216.38	5420.42	-0.23	111.81	5421.35	-0.07				41.33	5588.24	-0.92
12/24/25	170.84	5421.14	-0.16	216.45	5420.35	-0.07	111.95	5421.21	-0.14				42.67	5586.90	-1.34
Yearly Change			-0.05			0.07			-0.06			0.00			1.41
01/28/26	170.91	5421.07	-0.07	216.54	5420.26	-0.09	112.07	5421.09	-0.12				44.84	5584.73	-2.17
02/23/26	170.78	5421.20	0.13	216.43	5420.37	0.11	111.98	5421.18	0.09				46.48	5583.09	-1.64
03/25/26	170.84	5421.14	-0.06	216.46	5420.34	-0.03	112.01	5421.15	-0.03				48.56	5581.01	-2.08
04/26/26	170.81	5421.17	0.03	216.50	5420.30	-0.04	112.00	5421.16	0.01				48.27	5581.30	0.29
05/26/26	170.81	5421.17	0.00	216.47	5420.33	0.03	111.99	5421.17	0.01				38.63	5590.94	9.64
06/29/26	170.76	5421.22	0.05	216.42	5420.38	0.05	111.95	5421.21	0.04				41.04	5588.53	-2.41
07/26/26	170.65	5421.33	0.11	216.24	5420.56	0.18	111.80	5421.36	0.15				40.19	5589.38	0.85
08/26/26	170.39	5421.59	0.26	216.13	5420.67	0.11	111.60	5421.56	0.20				37.37	5592.20	2.82
09/26/26	170.72	5421.26	-0.33	216.33	5420.47	-0.20	111.80	5421.36	-0.20				39.02	5590.55	-1.65
10/26/26	170.79	5421.19	-0.07	216.39	5420.41	-0.06	111.85	5421.31	-0.05				40.38	5589.19	-1.36
11/26/26															
12/26/26															
Yearly Change			0.05			0.06			0.10			0.00			2.29

SWL - STATIC WATER LEVEL, IN FEET, BELOW GROUND SURFACE(MP)
ELEV - WATER LEVEL ELEVATION, IN FEET, ABOVE MEAN SEA LEVEL (USGS DATUM)
NA - NO WATER LEVELS AVAILABLE DUE TO ACCESS PROBLEMS OR OBSTRUCTIONS
Ophir Mine Elevation changed April 2005 after casing repair.

Montana Bureau of Mines and Geology
Butte Mine Flooding
West Camp Water-Levels

GWIC ID		AMC-21			BMF96-1D			BMF96-1S			BMF96-2			BMF96-3			BMF96-4		
	GWIC ID	4993			158224			158225			158226			158231			164443		
Date	Date/Time	SWL	Elev. (ft)	Change	SWL (gs)	Elev. (ft)	Change (ft	SWL (gs)	Elev. (ft)	Change	SWL (gs)	Elev. (ft)	Change	SWL (gs)	Elev. (ft)	Change	SWL (gs)	Elev. (ft)	Change (ft)
		(ft)	5471.50	(ft)	(ft)	5471.12	5471.59	(ft)	5470.16	(ft)	(ft)	5473.05	(ft)	(ft)	5467.27	(ft)	5490.93	5491.30	5489.20
01/26/22	Plugged	Plugged			49.61	5421.98	0.04	23.89	5446.27	-0.62	16.56	5456.49	-0.24	10.71	5456.56	-0.19	50.88	5438.32	-0.30
02/22/22	Plugged	Plugged			49.71	5421.88	-0.10	24.18	5445.98	-0.29	16.32	5456.73	0.24	10.66	5456.61	0.05	51.23	5437.97	-0.35
03/28/22	Plugged	Plugged			52.78	5418.81	-3.07	23.97	5446.19	0.21	15.97	5457.08	0.35	10.59	5456.68	0.07	51.78	5437.42	-0.55
04/25/22	Plugged	Plugged			52.68	5418.91	0.10	24.49	5445.67	-0.52	16.07	5456.98	-0.10	10.82	5456.45	-0.23	52.75	5436.45	-0.97
05/25/22	Plugged	Plugged			52.24	5419.35	0.44	24.50	5445.66	-0.01	16.08	5456.97	-0.01	10.67	5456.60	0.15	53.07	5436.13	-0.32
06/27/22	Plugged	Plugged			52.67	5418.92	-0.43	21.60	5448.56	2.90	15.14	5457.91	0.94	9.59	5457.68	1.08	53.34	5435.86	-0.27
07/26/22	Plugged	Plugged			52.67	5418.92	0.00	20.91	5449.25	0.69	15.39	5457.66	-0.25	9.27	5458.00	0.32	53.14	5436.06	0.20
08/25/22	Plugged	Plugged			52.69	5418.90	-0.02	21.58	5448.58	-0.67	15.88	5457.17	-0.49	9.35	5457.92	-0.08	52.81	5436.39	0.33
09/29/22	Plugged	Plugged			52.62	5418.97	0.07	21.91	5448.25	-0.33	16.07	5456.98	-0.19	9.28	5457.99	0.07	52.15	5437.05	0.66
10/26/22	Plugged	Plugged			52.59	5419.00	0.03	21.25	5448.91	0.66	16.00	5457.05	0.07	9.29	5457.98	-0.01	51.83	5437.37	0.32
11/28/22	Plugged	Plugged			48.82	5422.77	3.77	22.14	5448.02	-0.89	16.23	5456.82	-0.23	10.03	5457.24	-0.74	50.81	5438.39	1.02
12/29/22	Plugged	Plugged			48.90	5422.69	-0.08	23.04	5447.12	-0.90	16.62	5456.43	-0.39	10.39	5456.88	-0.36	50.45	5438.75	0.36
01/26/23	Plugged	Plugged			49.49	5422.10	-0.59	23.59	5446.57	-0.55	16.81	5456.24	-0.19	10.69	5456.58	-0.30	50.77	5438.43	-0.32
02/27/23	Plugged	Plugged			51.20	5420.39	-1.71	24.31	5445.85	-0.72	16.99	5456.06	-0.18	10.93	5456.34	-0.24	51.18	5438.02	-0.41
03/28/23	Plugged	Plugged			52.71	5418.88	-1.51	24.71	5445.45	-0.40	16.56	5456.49	0.43	10.25	5457.02	0.68	52.24	5436.96	-1.06
04/24/23	Plugged	Plugged			52.13	5419.46	0.58	22.64	5447.52	2.07	14.44	5458.61	2.12	9.86	5457.41	0.39	52.20	5437.00	0.04
05/28/23	Plugged	Plugged			52.78	5418.81	-0.65	20.51	5449.65	2.13	14.36	5458.69	0.08	9.31	5457.96	0.55	52.61	5436.59	-0.41
06/28/23	Plugged	Plugged			46.60	5424.99	6.18	16.11	5454.05	4.40	12.75	5460.30	1.61	7.89	5459.38	1.42	50.91	5438.29	1.70
07/28/23	Plugged	Plugged			48.67	5422.92	-2.07	15.90	5454.26	0.21	13.53	5459.52	-0.78	8.22	5459.05	-0.33	49.94	5439.26	0.97
08/28/23	Plugged	Plugged			50.82	5420.77	-2.15	16.10	5454.06	-0.20	13.41	5459.64	0.12	7.63	5459.64	0.59	49.65	5439.55	0.29
09/27/23	Plugged	Plugged			51.01	5420.58	-0.19	16.05	5454.11	0.05	13.25	5459.80	0.16	7.98	5459.29	-0.35	48.78	5440.42	0.87
10/25/23	Plugged	Plugged			47.68	5423.91	3.33	16.84	5453.32	-0.79	13.34	5459.71	-0.09	8.47	5458.80	-0.49	47.33	5441.87	1.45
11/28/23	Plugged	Plugged			49.59	5422.00	-1.91	16.81	5453.35	0.03	13.46	5459.59	-0.12	8.75	5458.52	-0.28	47.11	5442.09	0.22
12/28/23	Plugged	Plugged			51.07	5420.52	-1.48	17.26	5452.90	-0.45	13.88	5459.17	-0.42	9.02	5458.25	-0.27	47.75	5441.45	-0.64
01/29/24	Plugged	Plugged			51.70	5419.89	-0.63	17.85	5452.31	-0.59	14.26	5458.79	-0.38	9.26	5458.01	-0.24	47.69	5441.51	0.06
02/27/24	Plugged	Plugged			51.12	5420.47	0.58	17.66	5452.50	0.19	13.75	5459.30	0.51	9.08	5458.19	0.18	48.85	5440.35	-1.16
03/29/24	Plugged	Plugged			51.17	5420.42	-0.05	15.74	5454.42	1.92	12.95	5460.10	0.80	9.01	5458.26	0.07	49.45	5439.75	-0.60
04/29/24	Plugged	Plugged			51.61	5419.98	-0.44	15.13	5455.03	0.61	13.34	5459.71	-0.39	8.75	5458.52	0.26	49.52	5439.68	-0.07
05/29/24	Plugged	Plugged			51.19	5420.40	0.42	15.72	5454.44	-0.59	13.56	5459.49	-0.22	8.82	5458.45	-0.07	49.71	5439.49	-0.19
06/26/24	Plugged	Plugged			51.20	5420.39	-0.01	16.11	5454.05	-0.39	13.87	5459.18	-0.31	8.72	5458.55	0.10	49.54	5439.66	0.17
07/30/24	Plugged	Plugged			51.55	5420.04	-0.35	18.03	5452.13	-1.92	14.50	5458.55	-0.63	8.79	5458.48	-0.07	49.12	5440.08	0.42
08/29/24	Plugged	Plugged			51.45	5420.14	0.10	19.47	5450.69	-1.44	14.73	5458.32	-0.23	8.79	5458.48	0.00	49.04	5440.16	0.08
09/26/24	Plugged	Plugged			51.87	5419.72	-0.42	19.85	5450.31	-0.38	14.90	5458.15	-0.17	9.05	5458.22	-0.26	49.06	5440.14	-0.02
10/28/24	Plugged	Plugged			51.80	5419.79	0.07	20.35	5449.81	-0.50	15.06	5457.99	-0.16	9.49	5457.78	-0.44	48.85	5440.35	0.21
11/26/24	Plugged	Plugged			51.79	5419.80	0.01	21.11	5449.05	-0.76	15.24	5457.81	-0.18	9.74	5457.53	-0.25	NR		
12/24/24	Plugged	Plugged			51.69	5419.90	0.10	21.58	5448.58	-0.47	15.52	5457.53	-0.28	9.92	5457.35	-0.18	NR		
01/28/25	Plugged	Plugged			51.80	5419.79	-0.11	21.73	5448.43	-0.15	15.88	5457.17	-0.36	10.21	5457.06	-0.29	NR		
02/27/25	Plugged	Plugged			51.80	5419.79	0.00	22.34	5447.82	-0.61	16.08	5456.97	-0.20	10.05	5457.22	0.16	NR		
03/28/25	Plugged	Plugged			51.78	5419.81	0.02	20.45	5449.71	1.89	15.07	5457.98	1.01	10.10	5457.17	-0.05	NR		
04/29/25	Plugged	Plugged			51.70	5419.89	0.08	18.71	5451.45	1.74	14.96	5458.09	0.11	9.99	5457.28	0.11	51.34	5437.86	-2.49
05/28/25	Plugged	Plugged			51.66	5419.93	0.04	18.36	5451.80	0.35	14.44	5458.61	0.52	9.31	5457.96	0.68	51.57	5437.63	-0.23
06/27/25	Plugged	Plugged			51.60	5419.99	0.06	19.13	5451.03	-0.77	14.80	5458.25	-0.36	9.23	5458.04	0.08	51.49	5437.71	0.08
07/29/25	Plugged	Plugged			51.86	5419.73	-0.26	20.26	5449.90	-1.13	15.26	5457.79	-0.46	9.21	5458.06	0.02	51.33	5437.87	0.16
08/26/25	Plugged	Plugged			51.54	5420.05	0.32	19.55	5450.61	0.71	14.99	5458.06	0.27	8.87	5458.40	0.34	51.03	5438.17	0.30
09/25/25	Plugged	Plugged			51.48	5420.11	0.06	19.78	5450.38	-0.23	15.16	5457.89	-0.17	8.92	5458.35	-0.05	50.56	5438.64	0.47
10/30/25	Plugged	Plugged			51.48	5420.11	0.00	19.61	5450.55	0.17	14.99	5458.06	0.17	9.19	5458.08	-0.27	50.15	5439.05	0.41
11/24/25	Plugged	Plugged			51.62	5419.97	-0.14	20.03	5450.13	-0.42	15.12	5457.93	-0.13	9.44	5457.83	-0.25	49.78	5439.42	0.37
12/24/25	Plugged	Plugged			51.71	5419.88	-0.09	20.45	5449.71	-0.42	15.15	5457.90	-0.03	9.56	5457.71	-0.12	49.86	5439.34	-0.08
01/28/26	Plugged	Plugged			51.83	5419.76	-0.12	20.99	5449.17	-0.54	15.59	5457.46	-0.44	9.84	5457.43	-0.28	50.17	5439.03	-0.31
02/23/26	Plugged	Plugged			51.74	5419.85	0.09	21.32	5448.84	-0.33	15.71	5457.34	-0.12	10.07	5457.20	-0.23	50.15	5439.05	0.02
03/25/26	Plugged	Plugged			51.77	5419.82	-0.03	21.11	5449.05	0.21	15.66	5457.39	0.05	10.22	5457.05	-0.15	51.21	5437.99	-1.06
04/27/26	Plugged	Plugged			51.74	5419.85	0.03	20.37	5449.79	0.74	15.49	5457.56	0.17	9.79	5457.48	0.43	51.40	5437.80	-0.19
05/26/26	Plugged	Plugged			51.73	5419.86	0.01	20.20	5449.96	0.17	15.61	5457.44	-0.12	9.75	5457.52	0.04	51.36	5437.84	0.04
06/29/26	Plugged	Plugged			51.69	5419.90	0.04	20.87	5449.29	-0.67	15.49	5457.56	0.12	8.75	5458.52	1.00	51.08	5438.12	0.28
07/28/26	Plugged	Plugged			50.59	5421.00	1.10	19.78	5450.38	1.09	14.90	5458.15	0.59	8.35	5458.92	0.40	50.60	5438.60	0.48
08/31/26	Plugged	Plugged			51.43	5420.16	-0.84	19.86	5450.30	-0.08	15.10	5457.95	-0.20	8.48	5458.79	-0.13	49.90	5439.30	0.70
09/28/26	Plugged	Plugged			51.63	5419.96	-0.20	20.42	5449.74	-0.56	15.21	5457.84	-0.11	8.90	5458.37	-0.42	49.03	5440.17	0.87
10/28/06	Plugged	Plugged			51.70	5419.89	-0.07	20.20	5449.96	0.22	14.73	5458.32	0.48	8.64	5458.63	0.26	48.71	5440.49	0.32

MP elevations changed 7/99 (BMF96-1D) and 7/04 (BMF96-4)	MP elevations changed 7/99 (BMF96-1D) and 7/04 (BMF96-4)

Montana Bureau of Mines and Geology
Butte Mine Flooding
West Camp Water-Levels

	WCPW-1		Chester Steele			WC Extraction Well Data						
GWIC ID	184133		4773									
Date	SWL (gs)	Elev. (ft) 5471.35	Change SWL (gs) (ft)	Elev. (ft) 5629.57	Change (ft)	Reading	Diff (gallons)	Daily Avg. (gallons)	Pump Rat (gpm)	Averag e Pumpin g Rate (gpm)	Monthly Total Pumped (Gallons)	Monthly Total Pumped (Acre-Ft)
01/26/22	NA		51.28	5578.29	-2.81	NA	6,587,706	235,275	163	163	6,587,706	20.22
02/22/22	NA		54.11	5575.46	-2.83	NA	6,529,127	241,820	168	168	6,529,127	20.04
03/28/22	NA		57.35	5572.22	-3.24	NA	8,421,985	247,705	172	172	8,421,985	25.85
04/25/22	NA		59.93	5569.64	-2.58	NA	6,048,967	216,035	150	150	6,048,967	18.56
05/25/22	NA		46.69	5582.88	13.24	NA	5,624,388	187,480	130	130	5,624,388	17.26
06/27/22	NA		43.47	5586.10	3.22	NA	7,133,329	216,161	150	150	7,133,329	21.89
07/26/22	NA		44.37	5585.20	-0.90	NA	6,174,725	212,922	148	148	6,174,725	18.95
08/25/22	NA		43.85	5585.72	0.52	NA	8,343,055	278,102	193	193	8,343,055	25.60
09/29/22	NA		43.71	5585.86	0.14	NA	7,351,985	210,057	146	146	7,351,985	22.56
10/26/22	NA		43.28	5586.29	0.43	NA	7,655,033	283,520	197	197	7,655,033	23.49
11/28/22	NA		45.51	5584.06	-2.23	NA	7,842,844	237,662	165	165	7,842,844	24.07
12/29/22	NA		48.74	5580.83	-3.23	NA	6,630,305	213,881	149	149	6,630,305	20.35
01/26/23	NA		51.58	5577.99	-2.84	NA	6,688,093	238,860	166	166	6,688,093	20.52
02/27/23	NA		54.29	5575.28	-2.71	NA	8,349,800	260,931	181	181	8,349,800	25.62
03/28/23	NA		57.29	5572.28	-3.00	NA	6,484,019	223,587	155	155	6,484,019	19.90
04/24/23	NA		57.89	5571.68	-0.60	NA	5,932,475	219,721	153	153	5,932,475	18.21
05/28/23	NA		42.09	5587.48	15.80	NA	6,281,716	184,756	128	128	6,281,716	19.28
06/28/23	NA		37.61	5591.96	4.48	NA	6,279,918	202,578	141	141	6,279,918	19.27
07/28/23	NA		38.33	5591.24	-0.72	NA	7,983,883	266,129	185	185	7,983,883	24.50
08/28/23	NA		32.39	5597.18	5.94	NA	12,014,515	387,565	269	269	12,014,515	36.87
09/27/23	NA		32.96	5596.61	-0.57	NA	10,599,761	353,325	245	245	10,599,761	32.53
10/25/23	NA		34.30	5595.27	-1.34	NA	9,098,877	324,960	226	226	9,098,877	27.92
11/28/23	NA		36.86	5592.71	-2.56	NA	12,170,779	357,964	249	249	12,170,779	37.35
12/28/23	NA		39.49	5590.08	-2.63	NA	9,621,840	320,728	223	223	9,621,840	29.53
01/29/24	NA		43.52	5586.05	-4.03	NA	10,765,157	336,411	234	234	10,765,157	33.04
02/27/24	NA		44.87	5584.70	-1.35	NA	7,873,618	271,504	189	189	7,873,618	24.16
03/29/24	NA		47.04	5582.53	-2.17	NA	7,616,532	245,695	171	171	7,616,532	23.37
04/29/24	NA		48.03	5581.54	-0.99	NA	7,525,988	242,774	169	169	7,525,988	23.10
05/29/24	NA		48.97	5580.60	-0.94	NA	9,393,193	313,106	217	217	9,393,193	28.83
06/26/24	NA		48.10	5581.47	0.87	NA	7,519,489	268,553	186	186	7,519,489	23.08
07/30/24	NA		32.42	5597.15	15.68	NA	9,992,494	293,897	204	204	9,992,494	30.67
08/29/24	NA		32.11	5597.46	0.31	NA	8,792,944	293,098	204	204	8,792,944	26.98
09/26/24	NA		36.49	5593.08	-4.38	NA	8,792,944	314,034	218	218	8,792,944	26.98
10/28/24	NA		39.97	5589.60	-3.48	NA	11,222,052	350,689	244	244	11,222,052	34.44
11/26/24	NA		42.20	5587.37	-2.23	NA	8,381,459	289,016	201	201	8,381,459	25.72
12/24/24	NA		44.08	5585.49	-1.88	NA	9,847,210	351,686	244	244	9,847,210	30.22
01/28/25	NA		47.00	5582.57	-2.92	NA	7,441,548	212,616	148	148	7,441,548	22.84
02/27/25	NA		49.39	5580.18	-2.39	NA	7,035,707	234,524	163	163	7,035,707	21.59
03/28/25	NA		51.09	5578.48	-1.70	NA	6,800,285	234,493	163	163	6,800,285	20.87
04/29/25	NA		52.53	5577.04	-1.44	NA	8,419,697	263,116	183	183	8,419,697	25.84
05/28/25	NA		39.60	5589.97	12.93	NA	6,794,168	234,282	163	163	6,794,168	20.85
06/27/25	NA		40.94	5588.63	-1.34	NA	7,117,893	237,263	165	165	7,117,893	21.84
07/29/25	NA		41.07	5588.50	-0.13	NA	9,704,371	303,262	211	211	9,704,371	29.78
08/26/25	NA		37.97	5591.60	3.10	NA	8,396,582	299,878	208	208	8,396,582	25.77
09/25/25	NA		39.47	5590.10	-1.50	NA	11,232,851	374,428	260	260	11,232,851	34.47
10/30/25	NA		40.41	5589.16	-0.94	NA	11,374,704	324,992	226	226	11,374,704	34.91
11/24/25	NA		41.33	5588.24	-0.92	NA	8,661,634	346,465	241	241	8,661,634	26.58
12/24/25	NA		42.67	5586.90	-1.34	NA	12,168,610	405,620	282	282	12,168,610	37.34
01/28/26	NA		44.84	5584.73	-2.17	NA	7,698,229	219,949	153	153	7,698,229	23.62
02/23/26	NA		46.48	5583.09	-1.64	NA	7,435,959	285,998	199	199	7,435,959	22.82
03/25/26	NA		48.56	5581.01	-2.08	NA	7,249,134	241,638	168	168	7,249,134	22.25
04/27/26	NA		48.27	5581.30	0.29	NA	8,975,270	271,978	189	189	8,975,270	27.54
05/26/26	NA		38.63	5590.94	9.64	NA	7,225,105	249,142	173	173	7,225,105	22.17
06/29/26	NA		41.04	5588.53	-2.41	NA	9,359,128	275,268	191	191	9,359,128	28.72
07/28/26	NA		40.19	5589.38	0.85	NA	8,565,504	295,362	205	205	8,565,504	26.29
08/31/26	NA		37.37	5592.20	2.82	NA	9,505,158	279,563	194	194	9,505,158	29.17
09/28/26	NA		39.02	5590.55	-1.65	NA	11,908,405	425,300	295	295	11,908,405	36.55
10/28/06	NA		40.38	5589.19	-1.36	NA	9,066,081	302,203	210	210	9,066,081	27.82

MP elevations changed 7/99 (BMF96-1D) and 7/04 (BMF96-4)

Montana Bureau of Mines and Geology
Butte Mine Flooding
West Camp Water-Levels

GWIC ID	Date	Comments
	01/26/22	Flow data from Pioneer records. Q~163 gpm.
	02/22/22	Flow data from Pioneer records. Q~162 gpm.
	03/28/22	Flow data from Pioneer records. Q~167 gpm.
	04/25/22	Flow data from Pioneer records. Q~150 gpm.
	05/25/22	Flow data from Pioneer records. Q~139 gpm.
	06/27/22	Flow data from Pioneer records. Q~142 gpm.
	07/26/22	Flow data from Pioneer records. Q~153 gpm.
	08/25/22	Flow data from Pioneer records. Q~166 gpm.
	09/29/22	Flow data from Pioneer records. Q~182 gpm.
	10/26/22	Flow data from Pioneer records. Q~190 gpm.
	11/28/22	Flow data from Pioneer records. Q~153 gpm.
	12/29/22	Flow data from Pioneer records. Q~164 gpm.
	01/26/23	Flow data from Pioneer records. Q~166 gpm.
	02/27/23	Flow data from Pioneer records. Q~166 gpm.
	03/28/23	Flow data from Pioneer records. Q~161 gpm.
	04/24/23	Flow data from Pioneer records. Q~147 gpm.
	05/28/23	Flow data from Pioneer records. Q~152 gpm.
	06/28/23	Flow data from Pioneer records. Q~123 gpm.
	07/28/23	Flow data from Pioneer records. Q~198 gpm.
	08/28/23	Flow data from Pioneer records. Q~241 gpm.
	09/27/23	Flow data from Pioneer records. Q~263 gpm.
	10/25/23	Flow data from Pioneer records. Q~226 gpm.
	11/28/23	Flow data from Pioneer records. Q~241 gpm.
	12/28/23	Flow data from Pioneer records. Q~239 gpm.
	01/29/24	Flow data from Pioneer records. Q~212 gpm.
	02/27/24	Flow data from Pioneer records. Q~203 gpm.
	03/29/24	Flow data from Pioneer records. Q~192 gpm.
	04/29/24	Flow data from Pioneer records. Q~187 gpm.
	05/29/24	Flow data from Pioneer records. Q~192 gpm.
	06/26/24	Flow data from Pioneer records. Q~186 gpm.
	07/30/24	Flow data from Pioneer records. Q~198 gpm.
	08/29/24	Flow data from Pioneer records. Q~218 gpm.
	09/26/24	Flow data from Pioneer records. Q~223 gpm.
	10/28/24	Flow data from Pioneer records. Q~222 gpm.
	11/26/24	Flow data from Pioneer records. Q~208 gpm.
	12/24/24	Flow data from Pioneer records. Q~195 gpm.
	01/28/25	Flow data from Pioneer records. Q~191 gpm.
	02/27/25	Flow data from Pioneer records. Q~174 gpm.
	03/28/25	Flow data from Pioneer records. Q~169 gpm.
	04/29/25	Flow data from Pioneer records. Q~167 gpm.
	05/28/25	Flow data from Pioneer records. Q~169 gpm.
	06/27/25	Flow data from Pioneer records. Q~177 gpm.
	07/29/25	Flow data from Pioneer records. Q~194 gpm.
	08/26/25	Flow data from Pioneer records. Q~208 gpm.
	09/25/25	Flow data from Pioneer records. Q~229 gpm.
	10/30/25	Flow data from Pioneer records. Q~224 gpm.
	11/24/25	Flow data from Pioneer records. Q~215 gpm.
	12/24/25	Flow data from Pioneer records. Q~200 gpm.
	01/28/26	Flow data from Pioneer records. Q~191 gpm.
	02/23/26	Flow data from Pioneer records. Q~184 gpm.
	03/25/26	Flow data from Pioneer records. Q~180 gpm.
	04/27/26	Flow data from Pioneer records. Q~183 gpm.
	05/26/26	Flow data from Pioneer records. Q~179 gpm.
	06/29/26	Flow data from Pioneer records. Q~186 gpm.
	07/28/26	Flow data from Pioneer records. Q~211 gpm.
	08/31/26	Flow data from Pioneer records. Q~236 gpm.
	09/28/26	Flow data from Pioneer records. Q~235 gpm.
	10/28/06	Flow data from Pioneer records. Q~225 gpm.
MP elevations changed 7/99 (BMF96-1D) and 7/04 (BMF96-4)		

MBMG
Outer Camp

GWIC ID	4732				4725				892116				4822			
				MAS	Well			S-4				Tech Well				Orphan Boy
DATE (mmddyy)	MAS SWL (ft)	Elev (ft)	Diff (ft)	Yearly Change	S-4 SWL (ft)	Elev (ft)	Diff (ft)	Yearly Change	Tech Well SWL (ft)	Elev (ft)	Diff (ft)	Yearly Change	Orphan Boy SWL (ft)	Elev (ft)	Diff (ft)	Yearly Change
		6304.00				6290				5650.00	5651.86			5689.66	5691.25	
01/29/24	70.34	6233.66	-0.35		49.76	6240.24	-0.30		75.04	5576.82	-2.75		110.65	5580.60	-0.57	
02/27/24	70.67	6233.33	-0.33		NR				74.63	5577.23	0.41		109.85	5581.40	0.80	
03/31/24	70.89	6233.11	-0.22		50.03	6239.97	-0.27		73.57	5578.29	1.06		108.75	5582.50	1.10	
04/29/24	70.31	6233.69	0.58		49.77	6240.23	0.26		72.62	5579.24	0.95		107.71	5583.54	1.04	
05/28/24	70.12	6233.88	0.19		49.42	6240.58	0.35		74.84	5577.02	-2.22		110.31	5580.94	-2.60	
06/30/24	70.16	6233.84	-0.04		49.23	6240.77	0.19		75.69	5576.17	-0.85		111.70	5579.55	-1.39	
07/29/24	70.45	6233.55	-0.29		49.12	6240.88	0.11		76.15	5575.71	-0.46		112.59	5578.66	-0.89	
08/31/24	70.73	6233.27	-0.28		49.09	6240.91	0.03		76.15	5575.71	0.00		111.31	5579.94	1.28	
09/25/24	71.08	6232.92	-0.35		49.15	6240.85	-0.06		73.88	5577.98	2.27		110.59	5580.66	0.72	
10/26/24	71.58	6232.42	-0.50		49.38	6240.62	-0.23		75.46	5576.40	-1.58		112.43	5578.82	-1.84	
11/26/24	72.06	6231.94	-0.48		49.77	6240.23	-0.39		76.40	5575.46	-0.94		113.20	5578.05	-0.77	
12/23/24	72.51	6231.49	-0.45		50.08	6239.92	-0.31		75.75	5576.11	0.65		111.72	5579.53	1.48	
Yearly Change				**-2.52**				**-0.62**				**-3.46**				**-1.64**
01/28/25	73.18	6230.82	-0.67		50.53	6239.47	-0.45		75.20	5576.66	0.55		110.91	5580.34	0.81	
02/27/25	73.66	6230.34	-0.48		NA				75.14	5576.72	0.06		110.52	5580.73	0.39	
03/31/25	73.96	6230.04	-0.30		51.46	6238.54	-0.93		75.06	5576.80	0.08		110.46	5580.79	0.06	
04/28/25	74.26	6229.74	-0.30		52.00	6238.00	-0.54		74.87	5576.99	0.19		110.27	5580.98	0.19	
05/28/25	74.53	6229.47	-0.27		52.55	6237.45	-0.55		76.04	5575.82	-1.17		111.77	5579.48	-1.50	
06/30/25	74.69	6229.31	-0.16		53.00	6237.00	-0.45		75.63	5576.23	0.41		111.10	5580.15	0.67	
07/29/25	74.88	6229.12	-0.19		53.37	6236.63	-0.37		75.55	5576.31	0.08		111.09	5580.16	0.01	
08/31/25	75.26	6228.74	-0.38		53.69	6236.31	-0.32		74.95	5576.91	0.60		111.17	5580.08	-0.08	
09/24/25	75.52	6228.48	-0.26		53.82	6236.18	-0.13		74.29	5577.57	0.66		110.92	5580.33	0.25	
10/26/25	75.88	6228.12	-0.36		54.05	6235.95	-0.23		74.84	5577.02	-0.55		111.93	5579.32	-1.01	
11/26/25	76.06	6227.94	-0.18		54.24	6235.76	-0.19		74.98	5576.88	-0.14		111.67	5579.58	0.26	
12/23/25	76.27	6227.73	-0.21		54.39	6235.61	-0.15		75.14	5576.72	-0.16		111.42	5579.83	0.25	
Yearly Change			**-3.76**	**-3.76**			**-4.31**	**-4.31**			**0.61**	**0.61**			**0.30**	**0.30**
01/28/26	76.77	6227.23	-0.50		54.86	6235.14	-0.47		75.55	5576.31	-0.41		111.58	5579.67	-0.16	
02/23/26	76.94	6227.06	-0.17		55.02	6234.98	-0.16		76.26	5575.60	-0.71		112.27	5578.98	-0.69	
03/31/26	77.16	6226.84	-0.22		55.30	6234.70	-0.28		76.62	5575.24	-0.36		112.28	5578.97	-0.01	
04/28/26	77.49	6226.51	-0.33		55.72	6234.28	-0.42		76.71	5575.15	-0.09		112.50	5578.75	-0.22	
05/27/26	77.62	6226.38	-0.13		56.02	6233.98	-0.30		76.74	5575.12	-0.03		112.54	5578.71	-0.04	
06/29/26	77.79	6226.21	-0.17		56.50	6233.50	-0.48		76.73	5575.13	0.01		112.66	5578.59	-0.12	
07/29/26	77.94	6226.06	-0.15		56.96	6233.04	-0.46		76.08	5575.78	0.65		112.51	5578.74	0.15	
08/31/26	78.04	6225.96	-0.10		57.36	6232.64	-0.40		75.89	5575.97	0.19		112.47	5578.78	0.04	
09/24/26	78.04	6225.96	0.00		57.74	6232.26	-0.38		75.68	5576.18	0.21		112.35	5578.90	0.12	
10/26/26	78.31	6225.69	-0.27		58.04	6231.96	-0.30		75.73	5576.13	-0.05		112.30	5578.95	0.05	
11/26/26																
12/23/26																
Yearly Change			**-2.04**				**-3.65**				**-0.59**				**-0.88**	

Orphan Boy Mine elevation changed following February 2005 survey, due to installation of casing into mine shaft for monitoring purposes.

Butte Mine Flooding
Outer Camp Water-Levels

Periodic Monitoring

ORPHAN BOY AREA

DATE (mmddyy)	Orphan Boy SWL(ft)	Elevation* (ft)	Mo. Diff (ft)	Orphan Boy Yearly Change	Seep Flow (gpm)	Yearly Average (gpm)
		5689.66	**5691.25**			
01/26/23	111.72	5579.53	-0.42		23	
02/27/23	111.87	5579.38	-0.15		16	
03/31/23	112.21	5579.04	-0.34		28	
04/24/23	111.94	5579.31	0.27		16	
05/25/23	111.36	5579.89	0.58		21	
06/30/23	110.99	5580.26	0.37		26	
07/29/23	110.81	5580.44	0.18		63	
08/31/23	109.79	5581.46	1.02		51	
09/27/23	109.15	5582.10	0.64		59	
10/26/23	109.15	5582.10	0.00		59	
11/28/23	109.90	5581.35	-0.75		77	
12/29/23	110.08	5581.17	-0.18	**1.22**	82	43.4
01/29/24	110.65	5580.60	-0.57		77	
02/27/24	109.85	5581.40	0.80		140	
03/31/24	108.75	5582.50	1.10		98	
04/29/24	107.71	5583.54	1.04		135	
05/28/24	110.31	5580.94	-2.60		156	
06/30/24	111.70	5579.55	-1.39		128	
07/29/24	112.59	5578.66	-0.89		135	
08/31/24	111.31	5579.94	1.28		164	
09/25/24	110.59	5580.66	0.72		195	
10/26/24	112.43	5578.82	-1.84		213	
11/26/24	113.20	5578.05	-0.77		231	
12/23/24	111.72	5579.53	1.48	**-1.64**	250	160.2
01/28/25	110.91	5580.34	0.81		290	
02/27/25	110.52	5580.73	0.39		270	
03/31/25	110.46	5580.79	0.06		346	
04/28/25	110.27	5580.98	0.19		335	
05/28/25	111.77	5579.48	-1.50		44	
06/30/25	111.10	5580.15	0.67		51	
07/29/25	111.09	5580.16	0.01		51	
08/31/25	111.17	5580.08	-0.08		68	
09/24/25	110.92	5580.33	0.25		77	
10/26/25	111.93	5579.32	-1.01		59	
11/26/25	111.67	5579.58	0.26		23	
12/23/25	111.42	5579.83	0.25	**0.30**	21	136.2
01/28/26	111.58	5579.67	-0.16		21	
02/23/26	112.27	5578.98	-0.69		37	
03/31/26	112.28	5578.97	-0.01		31	
04/28/26	112.50	5578.75	-0.22		23	
05/27/26	112.54	5578.71	-0.04		21	
06/29/26	112.66	5578.59	-0.12		25	
07/29/26	112.51	5578.74	0.15		21	
08/31/26	112.47	5578.78	0.04		21	
09/24/26	112.35	5578.90	0.12		23	
10/26/26	112.30	5578.95	0.05		26	

Montana Bureau of Mines and Geology
Horseshoe Bend Drainage
Water Quality Data

11/12/26
Horseshoe Bend Drainage
M#:125744

			PHYSICAL PARAMETERS								DISSOLVED CONCENTRATION							DISSOLVED CONCENTRATION							
			FIELD					LAB																	
Collector/	Date	Time	Discharge	pH	SC	Temp	Eh	pH	SC	Hardness	Alkalinity	Ca	Mg	Na	K	Fe	Mn	SiO_2	HCO_3	CO_3	Cl	SO_4	NO_2-N	NO_3-N	F
Lab Analysis	(mm/dd/yy)	(HRS)	(gpm)		(uMHOS)	(C)	(MV)		(uMHOS)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
MBMG	01/02/24	10:30	2,650	2.40	4,325	3.3	667	2.68	4,540	1,965	0.0	449	205	89	13.8	128	80	68.6	0.0	0.0	17.8	3,515	<0.05	<0.05	13.20
MBMG	01/31/24	8:30	2,650	2.61	4,335	5.9	660	2.76	4,570	1,951	0.0	445	204	84	13.9	123	83	69.3	0.0	0.0	17.2	3,441	<0.05	0.26	11.66
MBMG	02/28/24	8:40	2,575	3.15	4,645	4.1	638	2.93	4,660	2,026	0.0	461	212	86	14.3	131	82	66.0	0.0	0.0	17.4	3,502	<0.05	0.40	12.40
MBMG	03/29/24	9:00	2,650	2.92	4,375	7.0	635	2.97	4,765	2,091	0.0	469	224	89	13.2	121	84	65.7	0.0	0.0	17.7	3,619	<0.05	0.34	12.64
MBMG	05/01/24	7:45	2,650	2.33	4,505	7.6	669	2.50	4,805	2,070	0.0	460	224	94	14.0	120	83	64.6	0.0	0.0	18.2	3,577	<0.05	0.31	13.52
MBMG	06/04/24	10:48	2,575	2.96	4,600	9.6	662	2.78	4,815	1,996	0.0	447	214	85	12.5	119	85	65.4	0.0	0.0	18.5	3,503	<0.05	0.28	12.98
MBMG	06/26/24	8:20	2,575	2.63	4,595	12.8	691	2.77	4,957	2,101	0.0	475	222	90	13.0	95	83	62.7	0.0	0.0	18.6	3,536	<0.05	0.33	12.62
MBMG	07/29/24	10:12	2,575	2.74	4,580	12.8	641	2.77	4,480	1,992	0.0	452	210	83	16.2	99	86	64.7	0.0	0.0	18.3	3,412	<0.05	0.28	11.78
MBMG	08/28/24	8:57	2,350	3.08	4,735	11.6	685	3.18	4,650	2,125	0.0	481	224	90	13.2	70	89	66.5	0.0	0.0	19.0	3,470	<0.05	0.36	12.03
MBMG	10/01/24	8:57	2,500					3.16	4,640	1,975	0.0	442	212	90	15.0	114	91	73.5	0.0	0.0	18.4	3,737	<0.05	0.20	13.35
MBMG	10/31/24	9:45	2,500	3.67	4,550	8.0	654	3.22	4,670	1,979	0.0	442	213	88	14.6	114	92	74.8	0.0	0.0	19.0	3,455	<0.05	0.28	12.99
MBMG	11/26/24	9:45	3,205	3.94	4,355	7.9	636	3.16	4,710	2,035	0.0	453	220	84	13.5	116	86	70.9	0.0	0.0	19.3	3,520	<0.005	0.27	13.15
MBMG	12/30/24	12:11	3,045	3.24	4,470	8.0	684	3.15	4,800	2,056	0.0	450	226	87	11.9	123	87	71.3	0.0	0.0	20.3	3,700	0.24	0.25	11.88
MBMG	01/30/25	13:30	3,045	2.46	4,600	9.7	665	3.23	4,805	2,043	0.0	441	229	91	13.6	117	84	68.4	0.0	0.0	19.6	3,553	<0.05	<0.05	13.66
MBMG	02/28/25	10:30	3,205	2.59	4,685	9.3	654	3.18	4,780	2,079	0.0	443	237	89	13.0	125	88	73.2	0.0	0.0	20.8	3,824	<0.05	0.27	13.02
MBMG	03/26/25	9:40	3,452	2.85	4,645	9.2	643	3.08	4,835	2,167	0.0	461	247	94	13.2	140	92	69.9	0.0	0.0	28.0	3,874	<0.05	0.34	12.62
MBMG	04/24/25	15:30	3,370	3.14	4,575	11.9	490	3.15	4,825	2,035	0.0	429	234	91	12.1	139	86	63.9	0.0	0.0	21.4	3,790	<0.05	0.29	11.95
MBMG	05/29/25	11:00	3,535	2.63	4,550	13.5	644	3.11	4,880	2,012	0.0	431	227	84	13.0	122	86	65.0	0.0	0.0	22.5	3,715	0.26	0.33	11.83
MBMG	06/30/25	11:38	2,730	3.69	4,700	11.4	656	3.27	4,845	2,084	0.0	444	237	88	11.9	124	81	61.2	0.0	0.0	23.8	3,865	0.28	0.32	14.70
MBMG	07/29/25	10:10	3,045		4,635	12.6	628	3.18	4,905	2,012	0.0	433	226	83	13.1	121	85	65.9	0.0	0.0	23.0	3,666	<0.05	0.35	13.14
MBMG	08/26/25	11:40	2,965	4.28	4,605	13.2	568	3.28	5,000	2,015	0.0	431	228	85	12.9	127	91	66.7	0.0	0.0	24.0	3,854	0.217	0.23	12.06
MBMG	10/01/25	10:45	2,885	3.33	4,745	11.5	619	3.29	4,735	2,047	0.0	437	232	87	13.9	133	88	64.8	0.0	0.0	24.3	3,775	0.259	0.27	13.20
MBMG	10/28/25	13:02	2,810	2.85	4,575	10.8	650	3.20	4,765	2,042	0.0	433	234	85	12.8	130	90	64.3	0.0	0.0	25.2	3,890	0.222	0.23	12.85
MBMG	12/03/25	13:10	2,885	3.13		10.5	637	3.35	4,875	2,075	0.0	433	241	87	12.7	128	91	63.2	0.0	0.0	25.8	3,832	0.263	0.31	13.36
MBMG	12/29/25	11:45	2,885	2.83	4,910	9.1	520	3.32	4,970	2,127	0.0	436	252	91	13.0	125	92	64.6	0.0	0.0	27.4	3,978	<0.05	<0.05	13.38
MBMG	12/29/25	11:45	2,885	2.83	4,910	9.1	520	3.23	4,980	2,117	0.0	435	250	92	13.1	125	92	64.0	0.0	0.0	27.9	4,056	<0.05	<0.05	13.42
MBMG	01/28/26	10:25	3,045	2.86	4,690	8.9	646	3.24	4,970	2,162	0.0	439	259	89	13.2	129	94	63.6	0.0	0.0	28.8	4,050	0.271	0.34	14.81
MBMG	02/25/26	10:34	3,045	2.92	4,890	9.5	639	3.10	4,015	2,133	0.0	434	255	88	12.1	127	94	65.1	0.0	0.0	29.3	3,986	0.271	0.29	14.74
MBMG	03/27/26	14:09	3,045	2.97	4,935	12.7	643	3.08	5,215	2,088	0.0	429	247	88	12.5	128	95	64.0	0.0	0.0	30.2	3,988	0.271	0.29	14.42
MBMG	04/29/26	12:35	3,045																						
MBMG	05/27/26	12:30	3,287																						
MBMG	07/01/26	10:42	3,452																						
MBMG	07/29/26	7:25	3,045																						
MBMG	09/02/26	11:41	3,205																						
Mean Value			2,881	3.23	5,166	11.1	572	3.01	5,601	2,396	0	441	314	79	9.8	271	115	76	0.0	0.0	16.14	5,132	0.9	0.3	16.48
Maximum Value			6,350	5.65	9,010	22.9	821	3.96	11,540	3,763	15	555	655	100	16.4	937	361	102	0.0	0.0	33.60	13,453	9.8	5.5	48.61
Minimum Value			820	1.52	1,523	2.2	286	2.14	3,920	1,777	0	384	106	61	1.5	70	72	56	0.0	0.0	8.69	3,010	0.1	0.1	1.24
Number Readings			326	316	320	320	314	320	319	325	323	326	326	326	325	326	326	318	318	318	254	318	41	95	311

nd/na - not measured or analyzed

Montana Bureau of Mines and Geology
Horseshoe Bend Drainage
Water Quality Data

11/12/26
Horseshoe Bend Drainage
M#:125744

DISSOLVED CONCENTRATION

Collector/ Lab Analysis	Date (mm/dd/yy)	Al (ug/l)	Ag (ug/l)	As (ug/l)	B (ug/l)	Be (ug/l)	Cd (ug/l)	Cr (ug/l)	Co (ug/l)	Cu (ug/l)	Hg (ug/L)	Li (ug/l)	Mo (ug/l)	Ni (ug/l)	Pb (ug/l)	Se (ug/l)	Sr (ug/l)	Ti (ug/l)	Tl (ug/l)	U (ug/l)	V (ug/l)	Zn (ug/l)	Zr (ug/l)
MBMG	01/02/24	125,338	<1.0	7.9	100.3	13.9	681	5.7	549	52,217	<0.005	64.7	3.47	386	4.7	7.86	1,201	69.7	<1.0	169	<1.0	148,521	2.22
MBMG	01/31/24	130,121	2.27	9.0	66.7	14.0	703	10.1	566	52,273	<0.005	64.5	4.19	355	9.5	10.07	1,296	75.8	<1.0	163	<1.0	152,991	2.59
MBMG	02/28/24	130,242	<1.0	15.6	<5.0	7.3	711	10.9	509	55,661	0.007	62.7	<1.0	326	28.7	8.42	1,330	116.6	<1.0	176	4.36	151,180	<1.0
MBMG	03/29/24	137,984	<1.0	7.5	112.6	16.6	766	4.7	583	69,743	<0.005	78.7	2.02	392	81.4	7.96	1,280	92.9	<1.0	205	<1.0	154,553	<1.0
MBMG	05/01/24	130,660	<1.0	9.0	92.0	15.9	731	5.2	592	59,923	0.006	80.0	2.45	391	50.3	8.03	1,235	95.5	<1.0	195	<1.0	156,102	2.72
MBMG	06/04/24	125,649	<1.0	6.9	43.7	16.1	737	6.6	551	59,421	<0.005	74.1	2.66	408	41.2	11.25	1,283	83.6	<1.0	198	<1.0	160,693	<1.0
MBMG	06/26/24	116,888	<1.0	<1.0	50.8	16.9	732	3.1	582	56,305	<0.005	79.1	<1.0	390	21.1	6.95	1,354	69.9	<1.0	200	<1.0	153,016	<1.0
MBMG	07/29/24	119,828	<1.0	<1.0	26.5	14.8	780	3.4	544	58,591	<0.005	58.5	<1.0	394	33.5	8.55	1,385	83.2	<1.0	197	<1.0	156,189	<1.0
MBMG	08/28/24	116,121	2.27	<1.0	38.8	15.5	915	3.4	590	67,394	<0.005	80.7	<1.0	398	35.3	6.53	1,599	95.6	<1.0	194	<1.0	156,253	<1.0
MBMG	10/01/24	128,448	<1.0	10.4	131.1	14.2	899	<1.0	798	53,554	<0.005	25.5	2.39	562	13.6	<1.0	2,143	35.6	<1.0	177	<1.0	166,304	2.33
MBMG	10/31/24	131,005	<1.0	11.6	123.5	14.9	896	<1.0	794	55,093	<0.005	29.6	2.37	558	23.0	<1.0	2,059	87.1	<1.0	184	<1.0	168,704	<1.0
MBMG	11/26/24	136,272	<1.0	3.0	<5.0	15.8	779	<1.0	574	60,225	<0.005	89.3	3.41	382	22.4	6.79	1,249	78.9	<1.0	191	<1.0	163,632	2.31
MBMG	12/30/24	145,287	<1.0	5.3	<5.0	17.4	802	4.4	605	63,960	<0.005	94.0	4.67	399	19.1	8.22	1,268	72.5	<1.0	202	<1.0	172,038	2.44
MBMG	01/30/25	133,511	40.67	3.5	203.6	19.3	781	7.6	604	56,608	<0.005	81.0	4.13	413	19.9	7.22	1,206	84.4	<1.0	198	<1.0	163,858	<1.0
MBMG	02/28/25	144,856	20.70	4.7	221.9	20.0	799	8.1	634	61,243	<0.005	81.8	4.41	431	18.3	8.13	1,226	79.7	<1.0	214	<1.0	170,364	<1.0
MBMG	03/26/25	153,461	<1.0	<1.0	<5.0	17.6	793	<1.0	613	69,020	<0.005	28.6	4.65	426	16.3	5.46	1,199	95.9	<1.0	195	<1.0	180,706	<1.0
MBMG	04/24/25	145,811	<1.0	3.2	<5.0	19.6	808	2.9	600	62,834	<0.005	37.2	2.02	413	15.0	5.29	1,158	87.0	<1.0	211	<1.0	168,825	<1.0
MBMG	05/29/25	142,455	<1.0	<1.0	<5.0	17.4	743	8.8	564	60,997	<0.005	78.8	3.47	391	13.9	5.39	1,173	88.6	<1.0	192	12.64	164,946	<1.0
MBMG	06/30/25	138,049	<1.0	<1.0	19.2	15.9	714	<1.0	589	58,919	<0.005	75.2	2.80	382	13.1	9.34	1,172	97.1	<1.0	203	<1.0	158,498	<1.0
MBMG	07/29/25	141,676	<1.0	3.2	27.3	17.3	824	3.4	631	61,378	<0.005	100.0	3.78	418	17.8	10.71	1,246	69.5	<1.0	208	<1.0	167,677	<1.0
MBMG	08/26/25	146,654	2.78	3.6	29.1	17.8	807	6.1	625	63,047	<0.005	89.6	3.53	427	15.7	11.92	1,236	79.4	<1.0	216	<1.0	177,089	<1.0
MBMG	10/01/25	147,904	5.77	3.3	25.2	18.3	843	7.8	656	63,380	<0.005	93.2	2.342	428	14.8	8.99	1,255	90.3	<1.0	218	<1.0	171,568	<1.0
MBMG	10/28/25	150,753	<1.0	3.7	33.2	19.6	849	2.4	728	65,765	<0.005	103.4	<1.0	429	<0.6	10.12	1,236	70.4	<1.0	248	<1.0	173,412	<1.0
MBMG	12/03/25	155,955	<1.0	6.2	67.8	20.9	885	77.9	731	67,783	<0.005	96.6	2.14	443	<0.6	11.17	1,248	185.9	<1.0	253	<1.0	180,068	<1.0
MBMG	12/29/25	169,297	18.12	2.3	27.3	22.6	934	14.1	665	71,262	<0.005	130.1	3.729	442	18.7	13.18	1,351	61.9	<1.0	246	8.74	183,878	<1.0
MBMG	12/29/25	167,015	17.67	4.4	24.7	22.9	929	13.6	663	70,506	<0.005	126.2	3.167	454	18.9	12.30	1,239	56.8	<1.0	274	8.34	181,673	<1.0
MBMG	01/28/26	169,343	15.69	5.0	23.7	22.2	954	13.8	676	71,171	0.006	62.9	2.96	461	<0.6	6.24	1,447	59.3	<1.0	244	8.85	184,783	<1.0
MBMG	02/25/26	164,578	121.49	5.1	10.0	20.2	920	13.8	661	71,724	<0.005	127.0	4.27	458	19.5	13.26	1,226	63.0	<1.0	252	<1.0	187,250	<1.0
MBMG	03/27/26	162,528	22.61	2.6	<5.0	21.2	900	7.8	776	71,392	0.006	133.1	2.031	448	24.4	7.09	1,203	57.2	<1.0	243	<1.0	182,041	<1.0
MBMG	04/29/26										0.017												
MBMG	05/27/26										<0.005												
MBMG	07/01/26										<0.005												
MBMG	07/29/26										<0.005												
MBMG	09/02/26										<0.005												
Mean Value		207,958	11	10.3	106	24.6	1,093	32.4	787	40,850	0.009	123	5	557	7.9	14	1,037	64.2	3.15	298	14.1	238,087	5
Maximum Valu		657,448	121	66.5	513	52.9	2,151	224.6	1,429	101,000	0.031	703	33	1,165	81.4	148	2,143	186	13.20	664	139.2	434,103	23
Minimum Valu		92,344	1	0.9	1	7.3	595	2.4	340	10,485	0.001	7	1	148	0.6	2	587	1.3	0.23	105	0.8	131,866	1.0
Number Readir		322	42	235	210	298	328	257	328	328	14	322	99	326	170	247	323	212	10	308	126	328	62

nd/na - not measured or analyz