

GROUND WATER TEST RESULTS

PRINTED: 5/27/25-9:16 AM

LEADVILLE MILL - SURFACEWATER

No.	Method	Site No	Site ID	Location No	Location
1	SW846 6010D - Metals (ICP)	1	CG1	1	California Gulch - Upgradient
2	SW846 6010D - Metals (CP) Dissolved	2	CG2	2	California Gulch - Downgradient
3	SW846 6020B - Metals (ICP/MS)	3	CG3	3	Arkansas River - Upgradient
4	SW846 6020B - Metals (ICP/MS) - Dissolved	4	AR1	4	Arkansas River - Downgradient
5	SW846 7470A - Mercury (CVAA)	5	AR2	5	Duplicate
6	General Chemistry			6	Blank
7	General Chemistry - Dissolved				
8	EPA 900.0 - Gross Alpha & Gross Beta Radioactivity				

Site ID	Site No	Location	Method	Analyte	units	Average	MDL (MDC)	001 2024-Q2	002 2024-Q3	003 2024-Q4	004 2025-Q1	005 2025-Q2	006 2025-Q3	007 2025-Q4	008 2026-Q1	009 2026-Q2	010 2026-Q3	011 2026-Q4
CG1	1	1	1	Fe	ug/L	975	9.1	2500	340	550	510							
CG1	1	1	2	B	ug/L	16	1.5	33	16	15	0							
CG1	1	1	2	Fe	ug/L	6	9.1	12	13	0	0							
CG1	1	1	3	As	ug/L	0.13	0.50	0	0	0	0.50							
CG1	1	1	3	Mo	ug/L	0.74	0.37	0.43	0.54	0.90	1.1							
CG1	1	1	3	Cr	ug/L	0.41	0.50	0.55	0	1.1	0							
CG1	1	1	4	Ag	ug/L	0	0.045	0.054	0	0	0							
CG1	1	1	4	As	ug/L	0	0.50	0	0	0	0							
CG1	1	1	4	Cd	ug/L	12	0.19	39	2.6	3.5	3.2							
CG1	1	1	4	Cr	ug/L	0.0	0.50	0	0	0	0							
CG1	1	1	4	Cu	ug/L	1.7	0.71	2.9	0.74	1.9	1.4							
CG1	1	1	4	Mn	ug/L	1,523	5.1	3,900	530	1,000	660							
CG1	1	1	4	Ni	ug/L	3.7	0.83	9.2	1.6	2.6	1.5							
CG1	1	1	4	Pb	ug/L	0	0.23	0	0	0	0							
CG1	1	1	4	Se	ug/L	0	1.0	0	0	0	0							
CG1	1	1	4	U	ug/L	2.2	0.030	0.91	4.4	1.3	2.1							
CG1	1	1	4	V	ug/L	0	1.10	0	0	0	0							
CG1	1	1	4	Zn	ug/L	2,490	20	7200	560	1200	1000							
CG1	1	1	5	Hg	ug/L	0	0.061	0	0	0	0							
CG1	1	1	6	Nitrate as N	ug/L	0.39	0.090	0.39	0.53	0.34	0.29							
CG1	1	1	6	Nitrite as N	ug/L	0	0.049	0.080	0	0	0.000							
CG1	1	1	6	Ammonia as N	ug/L	0	0.0	0	0.68	0.096	0.076							
CG1	1	1	6	Cr, Hexavalent	ug/L	0	4.0	0	0	0	0							
CG1	1	1	6	Cr, Trivalent	ug/L	0	20	0	0	0	0							
CG1	1	1	6	Cr	ug/L	0	20	0	0	0	0							
CG1	1	1	6	Cr, Hexavalent	ug/L	0	20	0	0	0	0							
CG1	1	1	6	Cyanide, Free	ug/L	0	0.0050	0	0	0	0							
CG1	1	1	6	TDS	ug/L	1,225	4.7	1,100	1,100	1,300	1,400							
CG1	1	1	7	Chloride	ug/L	9	1.0	17	7.8	6.1	4.3							
CG1	1	1	7	Sulfate	ug/L	823	5.2	740	710	890	950							
CG1	1	1	7	Phosphorus	ug/L	0	0.025	0	0	0	0							
CG1	1	1	7	Cr, Hexavalent	ug/L	0	0.0040	0	0	0	0							
CG1	1	1	7	Cr (III)	ug/L	0	20	0	0	0	0							
CG1	1	1	7	Cr	ug/L	0	20	0	0	0	0							
CG1	1	1	7	Cr (VI)	ug/L	0	20	0	0	0	0							
CG1	1	1	7	Sulfide	ug/L	0	0.022	0	0	0	0							
CG1	1	1	8	Gross Alpha	Pci/L	0.6	10.80	1.60	0.895	(2.20)	2.08							
CG1	1	1	8	Gross Beta	Pci/L	3.58	4.30	1.24	2.47	5.68	4.92							

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3	SW846 6020B - Metals (ICP/MS)	3	CG3	3	Arkansas River - Upgradient
4	SW846 6020B - Metals (ICP/MS) - Dissolved	4	AR1	4	Arkansas River - Downgradient
5	SW846 7470A - Mercury (CVAA)	5	AR2	5	Duplicate
6	General Chemistry			6	Blank
7	General Chemistry - Dissolved				
8	EPA 900.0 - Gross Alpha & Gross Beta Radioactivity				

Site ID	Site No	Location	Method	Analyte	units	Average	MDL (MDC)	001 2024-Q2	002 2024-Q3	003 2024-Q4	004 2025-Q1	005 2025-Q2	006 2025-Q3	007 2025-Q4	008 2026-Q1	009 2026-Q2	010 2026-Q3	011 2026-Q4
CG2	2	2	1	Fe	ug/L	943	9.1	2000	620	390	760							
CG2	2	2	2	B	ug/L	47	1.5	54	56	35	41							
CG2	2	2	2	Fe	ug/L	7	9.1	15	11	0	0							
CG2	2	2	3	As	ug/L	1.19	0.50	1.5	1.2	0.65	1.4							
CG2	2	2	3	Mo	ug/L	0.84	0.37	0.59	0.90	1.0	0.88							
CG2	2	2	3	Cr	ug/L	0.14	0.50	0.57	0	0	0							
CG2	2	2	4	Ag	ug/L	0	0.045	0	0	0	0							
CG2	2	2	4	As	ug/L	0	0.50	0	0	0.63	0							
CG2	2	2	4	Cd	ug/L	8	0.19	23	1.8	2.8	2.4							
CG2	2	2	4	Cr	ug/L	0.0	0.50	0	0	0	0							
CG2	2	2	4	Cu	ug/L	2.6	0.71	3.4	1.8	2.3	2.7							
CG2	2	2	4	Mn	ug/L	968	5.1	2,400	320	750	400							
CG2	2	2	4	Ni	ug/L	2.8	0.83	6.2	1.3	2.4	1.4							
CG2	2	2	4	Pb	ug/L	0	0.23	0	0.38	0.31	0							
CG2	2	2	4	Se	ug/L	0	1.0	0	0	0	0							
CG2	2	2	4	U	ug/L	1.8	0.030	0.68	3.5	1.5	1.70							
CG2	2	2	4	V	ug/L	0	1.10	0	0	0	0							
CG2	2	2	4	Zn	ug/L	1,570	20	4100	370	1000	810							
CG2	2	2	5	Hg	ug/L	0	0.061	0	0	0	0							
CG2	2	2	6	Nitrate as N	ug/L	1.80	0.090	2.6	1.1	2.2	1.3							
CG2	2	2	6	Nitrite as N	ug/L	0	0.049	0.16	0	0.084	0.10							
CG2	2	2	6	Ammonia as N	ug/L	0	0.0	0.49	0	0.078	0.85							
CG2	2	2	6	Cr, Hexavalent	ug/L	0	4.0	0	0	0	0							
CG2	2	2	6	Cr, Trivalent	ug/L	0	20	0	0	0	0							
CG2	2	2	6	Cr	ug/L	0	20	0	0	0	0							
CG2	2	2	6	Cr, Hexavalent	ug/L	0	20	0	0	0	0							
CG2	2	2	6	Cyanide, Free	ug/L	0	0.0050	0	0	0	0							
CG2	2	2	6	TDS	ug/L	1,000	4.7	970	930	1,100	1,000							
CG2	2	2	7	Chloride	ug/L	23	1.0	38	15	16	21							
CG2	2	2	7	Sulfate	ug/L	650	5.2	670	540	710	680							
CG2	2	2	7	Phosphorus	ug/L	0	0.025	0.24	0.27	0.43	0.36							
CG2	2	2	7	Cr, Hexavalent	ug/L	0	0.0040	0	0	0	0							
CG2	2	2	7	Cr (III)	ug/L	0	20	0	0	0	0							
CG2	2	2	7	Cr	ug/L	0	20	0	0	0	0							
CG2	2	2	7	Cr (VI)	ug/L	0	20	0	0	0	0							
CG2	2	2	7	Sulfide	ug/L	0	0.022	0	0	0	0.074							
CG2	2	2	8	Gross Alpha	Pci/L	2.9	8.90	6.25	4.70	1.48	(0.731)							
CG2	2	2	8	Gross Beta	Pci/L	4.43	3.28	5.32	3.57	4.86	3.95							

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3	SW846 6020B - Metals (ICP/MS)	3	CG3	3	Arkansas River - Upgradient
4	SW846 6020B - Metals (ICP/MS) - Dissolved	4	AR1	4	Arkansas River - Downgradient
5	SW846 7470A - Mercury (CVAA)	5	AR2	5	Duplicate
6	General Chemistry			6	Blank
7	General Chemistry - Dissolved				
8	EPA 900.0 - Gross Alpha & Gross Beta Radioactivity				

Site ID	Site No	Location	Method	Analyte	units	Average	MDL (MDC)	001 2024-Q2	002 2024-Q3	003 2024-Q4	004 2025-Q1	005 2025-Q2	006 2025-Q3	007 2025-Q4	008 2026-Q1	009 2026-Q2	010 2026-Q3	011 2026-Q4
AR1	4	3	1	Fe	ug/L	270	9.1	500	200	240	140							
AR1	4	3	1	B	ug/L	4	1.5	4.3	7.5	4.0	0							
AR1	4	3	1	Fe	ug/L	47	9.1	100	54	35	0							
AR1	4	3	1	As	ug/L	0.00	0.50	0	0	0	0							
AR1	4	3	1	Mo	ug/L	2.00	0.37	1.7	2.6	2.0	1.7							
AR1	4	3	1	Cr	ug/L	0.19	0.50	0.74	0	0	0							
AR1	4	3	1	Ag	ug/L	0	0.045	0	0	0	0							
AR1	4	3	1	As	ug/L	0	0.50	0	0	0	0							
AR1	4	3	1	Cd	ug/L	0	0.19	0	0	0	0							
AR1	4	3	1	Cr	ug/L	0.0	0.50	0	0	0	0							
AR1	4	3	1	Cu	ug/L	0.3	0.71	1.3	0	0.0	0.0							
AR1	4	3	1	Mn	ug/L	13	5.1	11	26	2.7	11							
AR1	4	3	1	Ni	ug/L	0.0	0.83	0	0	0	0							
AR1	4	3	1	Pb	ug/L	0	0.23	0.44	0	0	0							
AR1	4	3	1	Se	ug/L	0	1.0	0	0	0	0							
AR1	4	3	1	U	ug/L	1.9	0.030	1.1	2.4	2.3	1.8							
AR1	4	3	1	V	ug/L	0	1.10	0	0	0	0							
AR1	4	3	1	Zn	ug/L	16	20	16	22	7.5	17							
AR1	4	3	1	Hg	ug/L	0	0.061	0	0	0	0							
AR1	4	3	1	Nitrate as N	ug/L	0.10	0.090	0.094	0	0.11	0.180							
AR1	4	3	1	Nitrite as N	ug/L	0	0.049	0	0	0.056	0							
AR1	4	3	1	Ammonia as N	ug/L	0	0.0	0	0	0	0							
AR1	4	3	1	Cr, Hexavalent	ug/L	0	4.0	0	0	0	0							
AR1	4	3	1	Cr, Trivalent	ug/L	0	20	0	0	0	0							
AR1	4	3	1	Cr	ug/L	0	20	0	0	0	0							
AR1	4	3	6	Cr, Hexavalent	ug/L	0	20	0	0	0	0							
AR1	4	3	1	Cyanide, Free	ug/L	0	0.0050	0	0	0	0							
AR1	4	3	1	TDS	ug/L	119	4.7	56	140	130	150							
AR1	4	3	1	Chloride	ug/L	4	1.0	1.5	3.5	6.6	3.8							
AR1	4	3	1	Sulfate	ug/L	28	5.2	9.9	33	27	44.0							
AR1	4	3	1	Phosphorus	ug/L	0	0.025	0	0	0	0							
AR1	4	3	1	Cr, Hexavalent	ug/L	0	0.0040	0	0	0	0							
AR1	4	3	1	Cr (III)	ug/L	0	20	0	0	0	0							
AR1	4	3	1	Cr	ug/L	0	20	0	0	0	0							
AR1	4	3	1	Cr (VI)	ug/L	0	20	0	0	0	0							
AR1	4	3	1	Sulfide	ug/L	0	0.022	0	0	0	0							
AR1	4	3	1	Gross Alpha	Pci/L	1.3	1.37	1.4	0.744	1.3	1.64							
AR1	4	3	1	Gross Beta	Pci/L	0.59	0.863	0.509	0.493	0.271	1.08							

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4	SW846 6020B - Metals (ICP/MS) - Dissolved	4	AR1	4	Arkansas River - Downgradient
5	SW846 7470A - Mercury (CVAA)	5	AR2	5	Duplicate
6	General Chemistry			6	Blank
7	General Chemistry - Dissolved				
8	EPA 900.0 - Gross Alpha & Gross Beta Radioactivity				

Site ID	Site No	Location	Method	Analyte	units	Average	MDL (MDC)	001 2024-Q2	002 2024-Q3	003 2024-Q4	004 2025-Q1	005 2025-Q2	006 2025-Q3	007 2025-Q4	008 2026-Q1	009 2026-Q2	010 2026-Q3	011 2026-Q4
AR2	5	4	1	Fe	ug/L	610	9.1	750	550	520	620							
AR2	5	4	1	B	ug/L	24	1.5	12	30	22	31							
AR2	5	4	1	Fe	ug/L	24	9.1	50	26	18	0							
AR2	5	4	1	As	ug/L	1	0.50	0.55	1.2	0.69	1.10							
AR2	5	4	1	Mo	ug/L	1	0.37	1.6	1.0	1.0	0.88							
AR2	5	4	1	Cr	ug/L	0	0.50	0.81	0	0	0							
AR2	5	4	1	Ag	ug/L	0	0.045	0	0	0	0							
AR2	5	4	1	As	ug/L	0	0.50	0	0	0.50	0							
AR2	5	4	1	Cd	ug/L	2	0.19	3.9	1.3	1.9	2.0							
AR2	5	4	1	Cr	ug/L	0	0.50	0	0	0	0							
AR2	5	4	1	Cu	ug/L	1	0.71	1.5	1.2	1.5	1.6							
AR2	5	4	1	Mn	ug/L	363	5.1	440	240	480	290							
AR2	5	4	1	Ni	ug/L	1	0.83	1.3	0.97	1.5	0							
AR2	5	4	1	Pb	ug/L	0	0.23	0.34	0	0	0							
AR2	5	4	1	Se	ug/L	0	1.0	0	0	0	0							
AR2	5	4	1	U	ug/L	2	0.030	0.92	3.1	1.7	1.7							
AR2	5	4	1	V	ug/L	0	1.10	0	0	0	0							
AR2	5	4	1	Zn	ug/L	570	20	760	270	650	600							
AR2	5	4	1	Hg	ug/L	0	0.061	0	0	0	0							
AR2	5	4	1	Nitrate as N	ug/L	1	0.090	0.35	0.86	1.6	1.00							
AR2	5	4	1	Nitrite as N	ug/L	0	0.049	0.068	0	0.067	0.000							
AR2	5	4	1	Ammonia as N	ug/L	0	0.0	0.052	0	0.033	0.660							
AR2	5	4	1	Cr, Hexavalent	ug/L	0	4.0	0	0	0	0							
AR2	5	4	1	Cr, Trivalent	ug/L	0	20	0	0	0	0							
AR2	5	4	1	Cr	ug/L	0	20	0	0	0	0							
AR2	5	4	6	Cr, Hexavalent	ug/L	0	20	0	0	0	0							
AR2	5	4	1	Cyanide, Free	ug/L	0	0.0050	0	0	0	0							
AR2	5	4	1	TDS	ug/L	643	4.7	190	790	750	840							
AR2	5	4	1	Chloride	ug/L	12	1.0	6.1	12	13.0	17.0							
AR2	5	4	1	Sulfate	ug/L	371	5.2	95	370	500	520							
AR2	5	4	1	Phosphorus	ug/L	0.211	0.025	0.055	0.20	0.30	0.29							
AR2	5	4	1	Cr, Hexavalent	ug/L	0.0000	0.0040	0	0	0	0							
AR2	5	4	1	Cr (III)	ug/L	0	20	0	0	0	0							
AR2	5	4	1	Cr	ug/L	0	20	0	0	0	0							
AR2	5	4	1	Cr (VI)	ug/L	0	20	0	0	0	0							
AR2	5	4	1	Sulfide	ug/L	0.000	0.022	0	0	0	0							
AR2	5	4	1	Gross Alpha	Pci/L	1.74	2.17	1.69	(1.11)	2.09	4.27							
AR2	5	4	1	Gross Beta	Pci/L	3.00	1.02	1.38	4.38	1.08	5.17							

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Duplicate	3	5	1	Fe	ug/L	997	9.1	1900		440	650							
Duplicate	3	5	2	B	ug/L	43	1.5	54		43	31							
Duplicate	3	5	2	Fe	ug/L	10	9.1	18		12	0							
Duplicate	3	5	3	As	ug/L	0.99	0.50	1.3		0.6	1.1							
Duplicate	3	5	3	Mo	ug/L	0.82	0.37	0.53		0.97	0.97							
Duplicate	3	5	3	Cr	ug/L	0.29	0.50	0.88		0	0							
Duplicate	3	5	4	Ag	ug/L	0	0.045	0		0	0							
Duplicate	3	5	4	As	ug/L	1	0.50	0		1.9	0							
Duplicate	3	5	4	Cd	ug/L	10	0.19	24		4.6	1.9							
Duplicate	3	5	4	Cr	ug/L	0.3	0.50	0.0		0.87	0							
Duplicate	3	5	4	Cu	ug/L	2.5	0.71	3.5		1.7	2.4							
Duplicate	3	5	4	Mn	ug/L	1,100	5.1	2,400		580	320							
Duplicate	3	5	4	Ni	ug/L	132.3	0.83	6.0		390	1.0							
Duplicate	3	5	4	Pb	ug/L	0	0.23	0		0.3	0							
Duplicate	3	5	4	Se	ug/L	0	1.0	0		1.3	0							
Duplicate	3	5	4	U	ug/L	1.3	0.030	0.71		1.5	1.7							
Duplicate	3	5	4	V	ug/L	0	1.10	0		0	0							
Duplicate	3	5	4	Zn	ug/L	1,840	20	4200		680	640							
Duplicate	3	5	5	Hg	ug/L	0	0.061	0		0	0							
Duplicate	3	5	6	Nitrate as N	ug/L	1.73	0.090	2.5		1.6	1.1							
Duplicate	3	5	6	Nitrite as N	ug/L	0	0.049	0.14		0.068	0							
Duplicate	3	5	6	Ammonia as N	ug/L	0	0.0	0.49		0.036	0.73							
Duplicate	3	5	6	Cr, Hexavalent	ug/L	0	4.0	0		0	0							
Duplicate	3	5	6	Cr, Trivalent	ug/L	0	20	0		0	0							
Duplicate	3	5	6	Cr	ug/L	0	20	0		0	0							
Duplicate	3	5	6	Cr, Hexavalent	ug/L	0	20	0		0	0							
Duplicate	3	5	6	Cyanide, Free	ug/L	0	0.0050	0		0	0							
Duplicate	3	5	6	TDS	ug/L	860	4.7	950		770	860							
Duplicate	3	5	7	Chloride	ug/L	23	1.0	38		13	18							
Duplicate	3	5	7	Sulfate	ug/L	573	5.2	670		510	540							
Duplicate	3	5	7	Phosphorus	ug/L	0	0.025	0.26		0.31	0.30							
Duplicate	3	5	7	Cr, Hexavalent	ug/L	0	0.0040	0		0	0							
Duplicate	3	5	7	Cr (III)	ug/L	0	20	0		0	0							
Duplicate	3	5	7	Cr	ug/L	0	20	0		0	0							
Duplicate	3	5	7	Cr (VI)	ug/L	0	20	0		0	0							
Duplicate	3	5	7	Sulfide	ug/L	0	0.022	0		0	0							
Duplicate	3	5	8	Gross Alpha	Pci/L	3.22	7.25	4.66		(0.710)	5.72							
Duplicate	3	5	8	Gross Beta	Pci/L	2.62	2.31	2.26		2.37	3.24							

0.129