



Cripple Creek & Victor
Gold Mining Company
P.O. Box 191
100 North 3rd Street
Victor, Colorado 80860

P 719.689.2977
F 719.689.3254
newmont.com

June 29, 2023

SENT VIA EMAIL

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining, and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

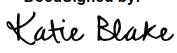
Re: Monthly Grassy Valley May 2023 Report Submission, June 29, 2023

Dear Mr. Russell,

Please see the attached Grassy Valley data (included within Attachment A) for monitoring well GVMW-25, surface water monitoring location GV-06, and Seep 1 & Seep 2, for the month of May, 2023.

Should you require further information please do not hesitate to contact Antonio Matarrese at 719.851.4185 or antonio.matarrese@newmont.com or myself at 719.851.4048 or katie.blake@newmont.com

Sincerely,

DocuSigned by:

5A3D013B629844B...

Katie Blake

Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

EC: P. Lennberg
M. Cunningham
K. Blake
J. Gonzalez
A. Matarrese
N. Townley

File: "C:\Users\19012214\Newmont USA Limited\CC&V - S&ER Environmental - Environmental Compliance\Water\DRMS\Grassy Monthly\5 - May 2023\Final"

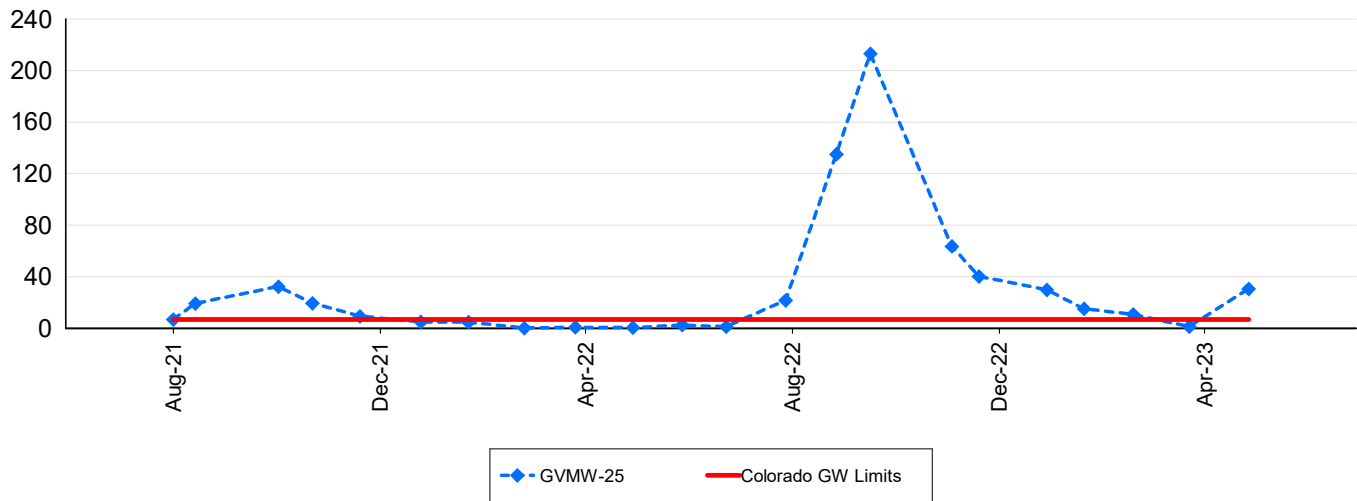


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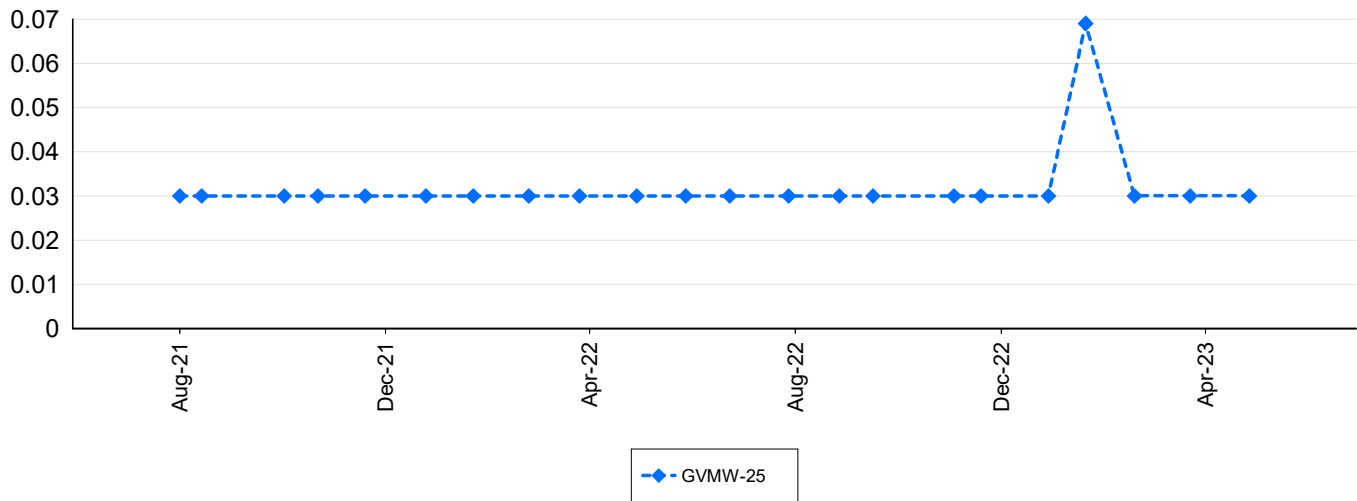
P 719.689.2977
F 719.689.3254
newmont.com

Attachment A

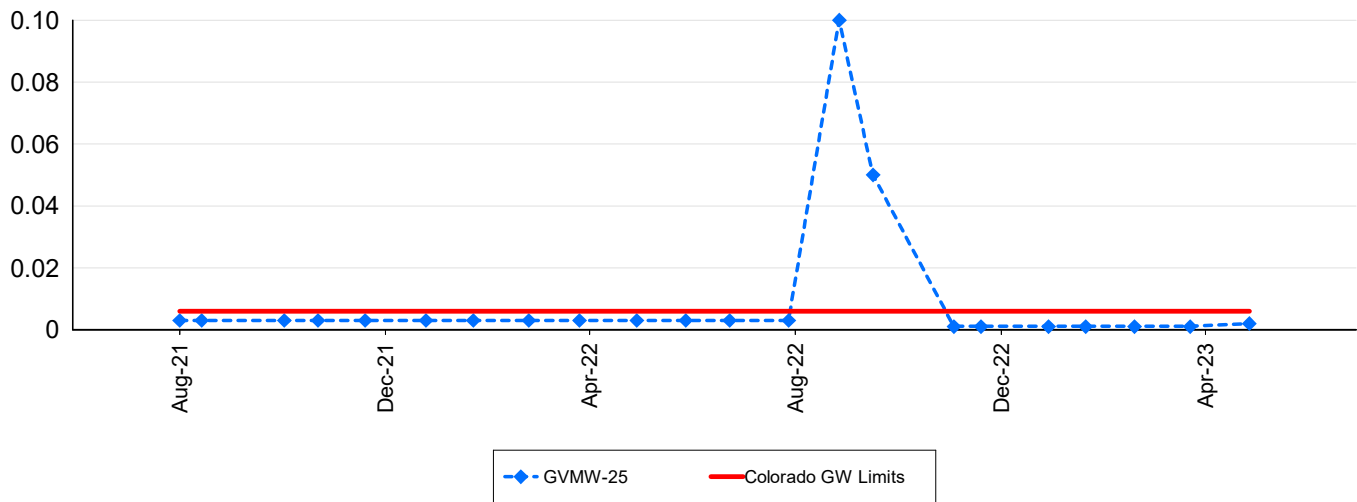
: Aluminium - Dissolved (mg/L)



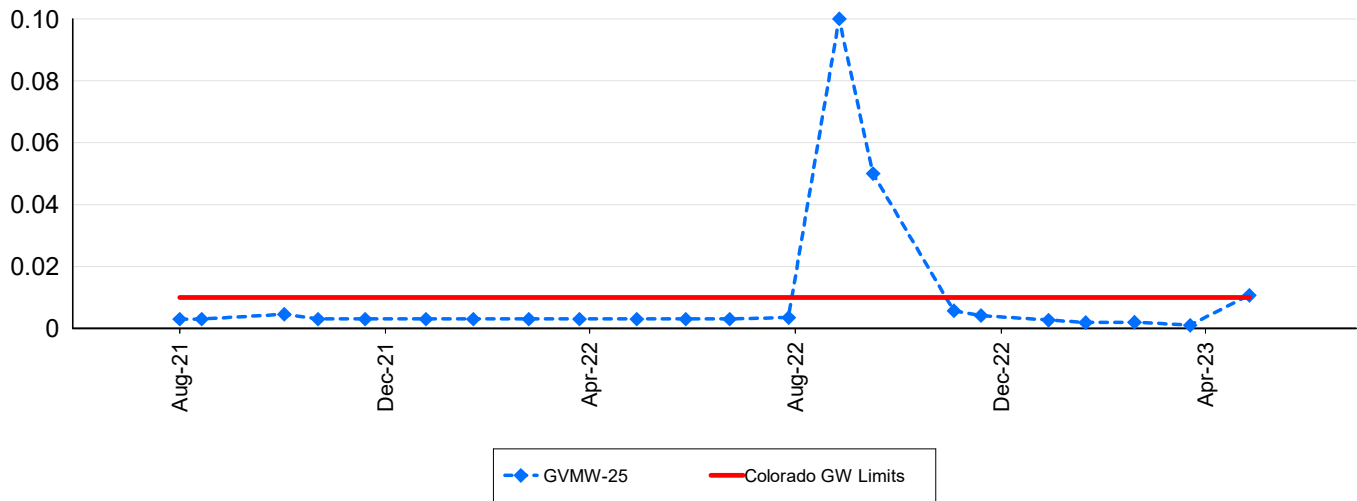
: Ammonia (mg/L)



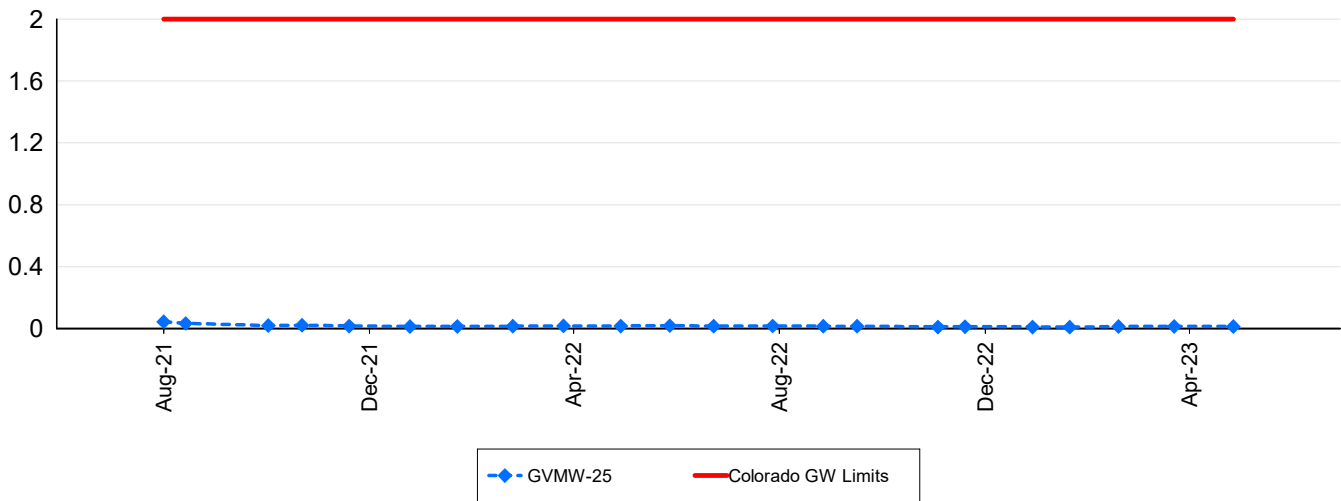
: Antimony - Dissolved (mg/L)



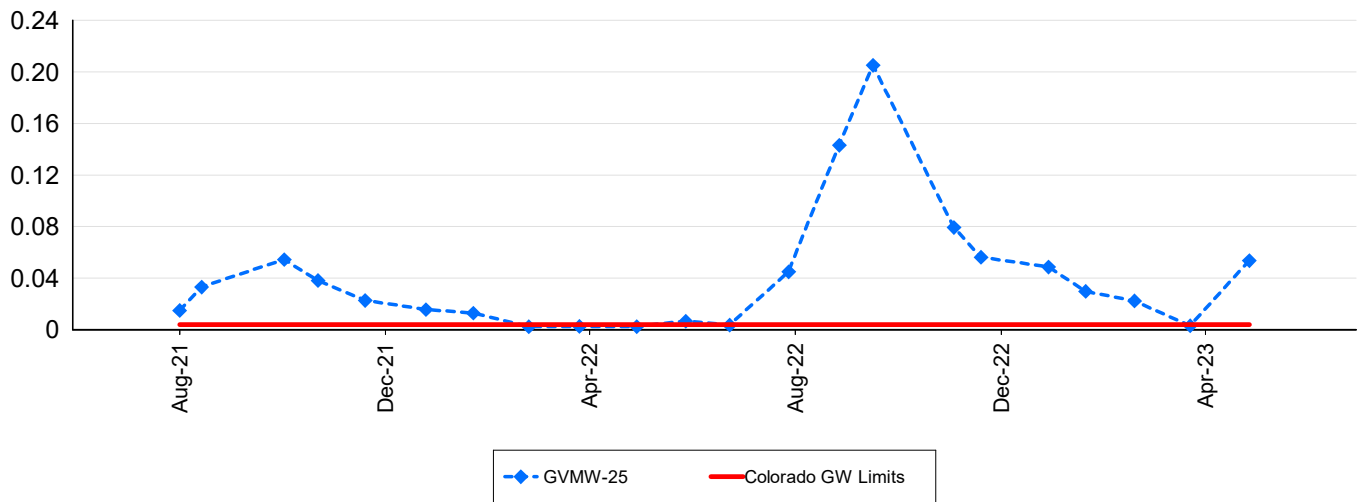
: Arsenic - Dissolved (mg/L)



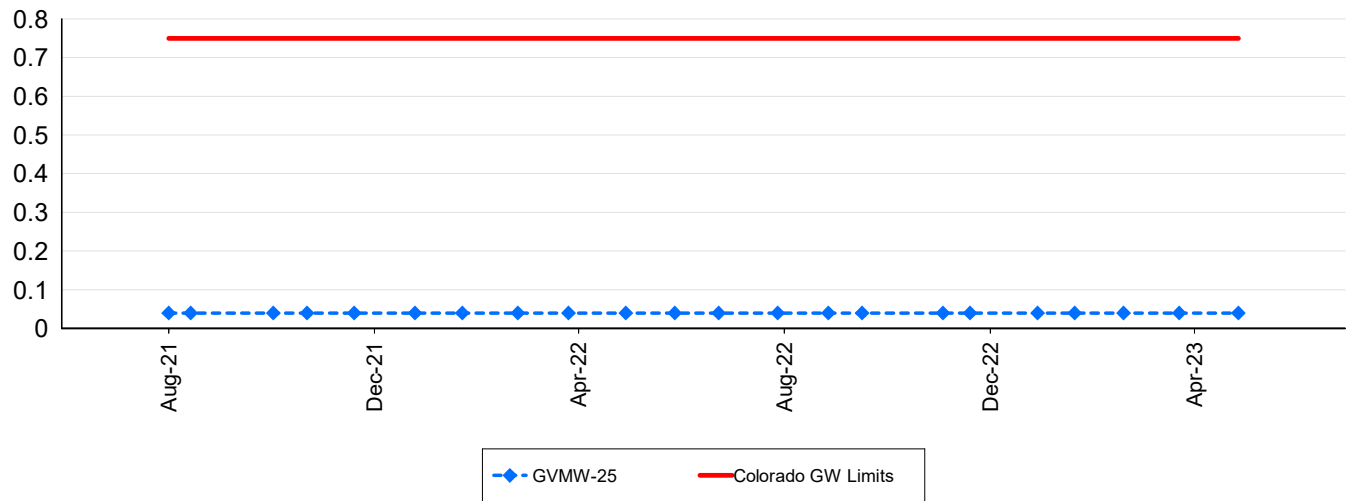
: Barium - Dissolved (mg/L)



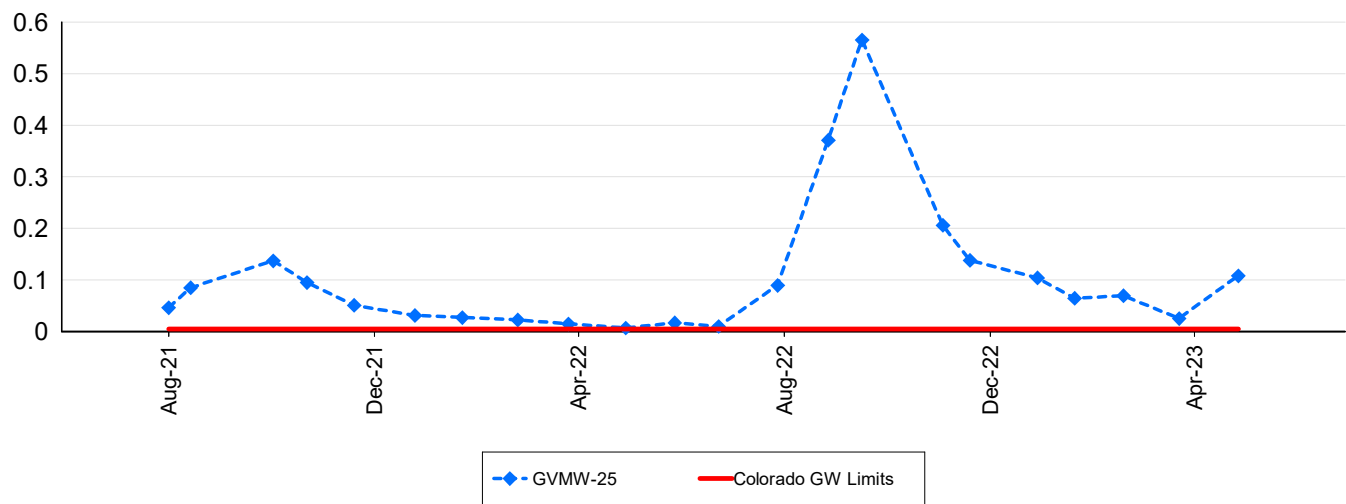
: Beryllium - Dissolved (mg/L)



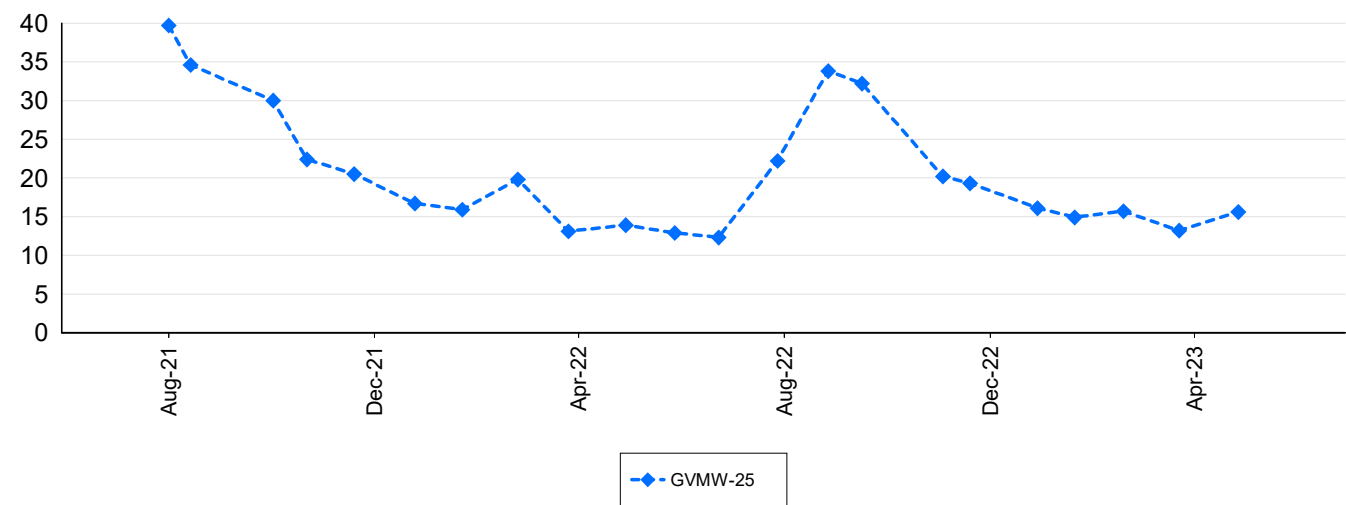
: Boron - Dissolved (mg/L)



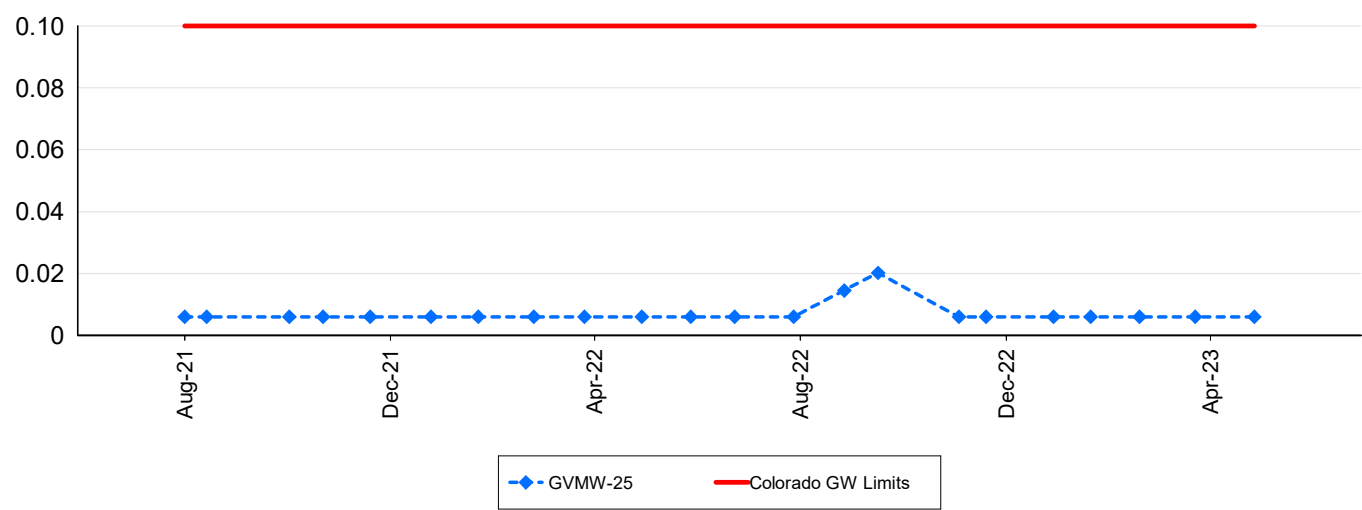
: Cadmium - Dissolved (mg/L)



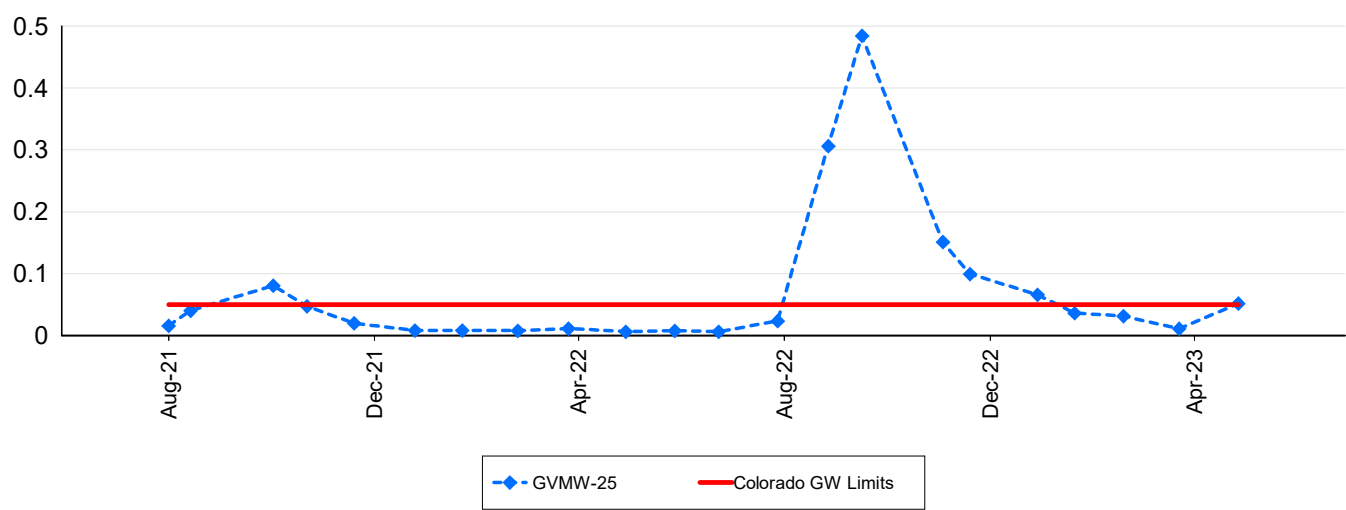
: Chloride - Total (mg/L)



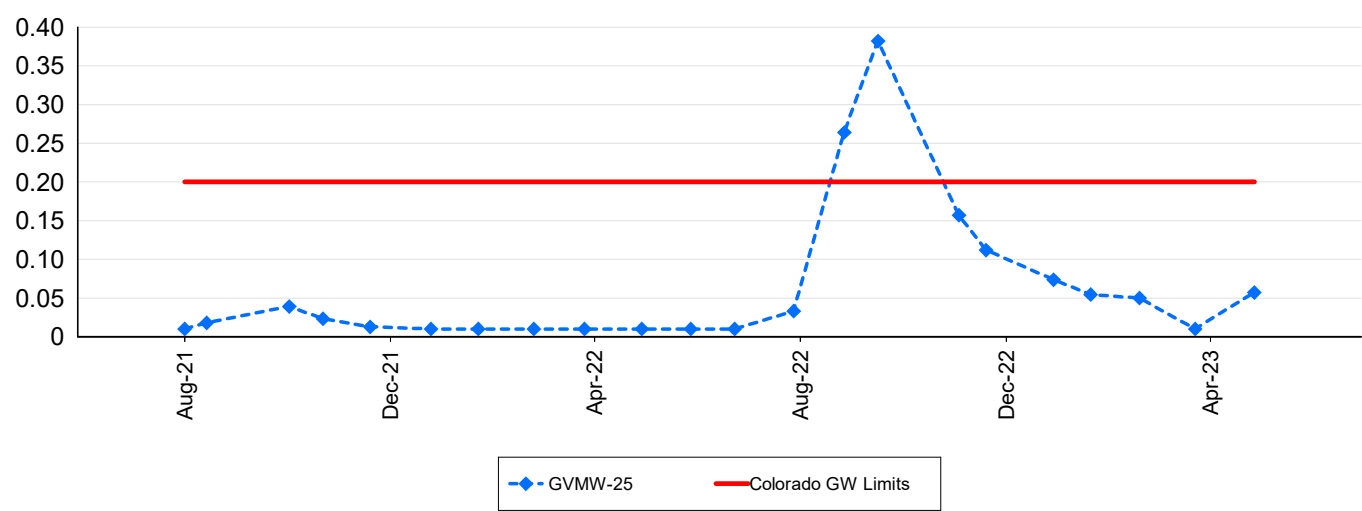
: Chromium - Dissolved (mg/L)



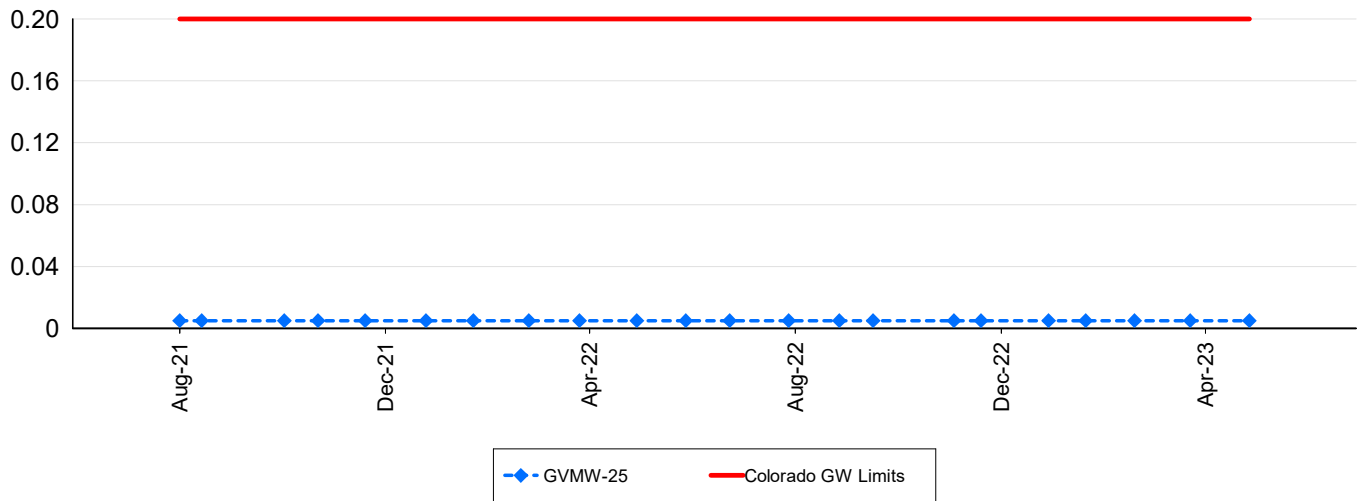
: Cobalt - Dissolved (mg/L)



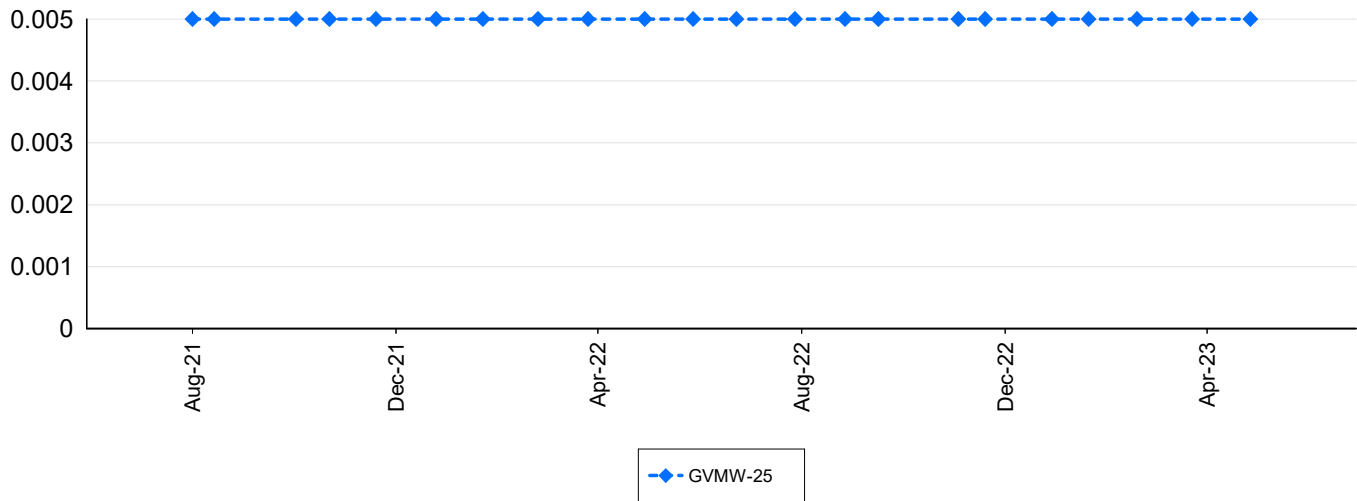
: Copper - Dissolved (mg/L)



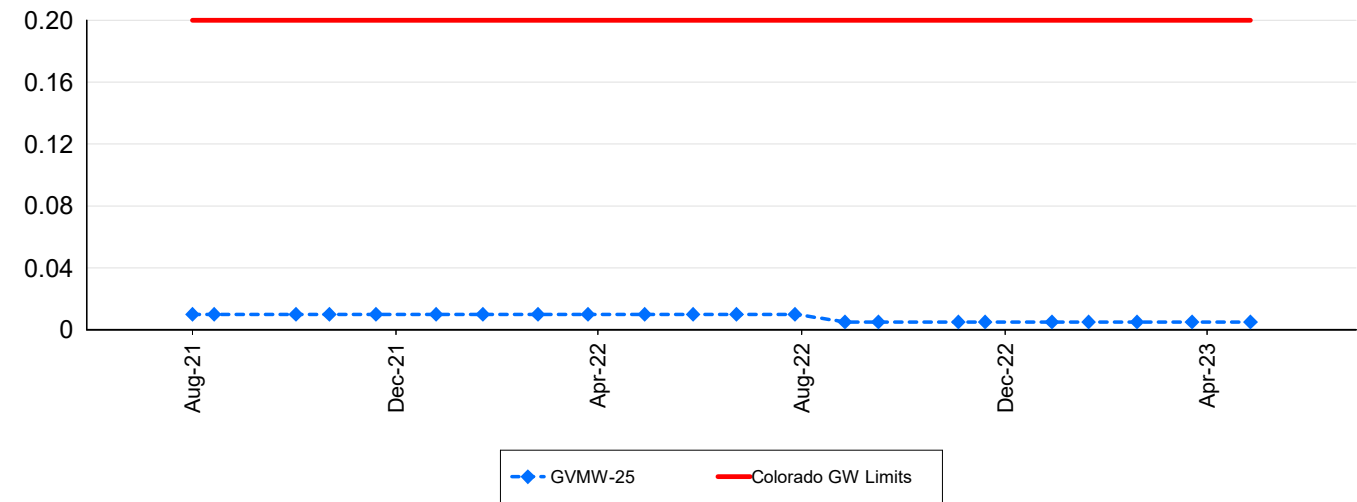
: Cyanide - Free (mg/L)



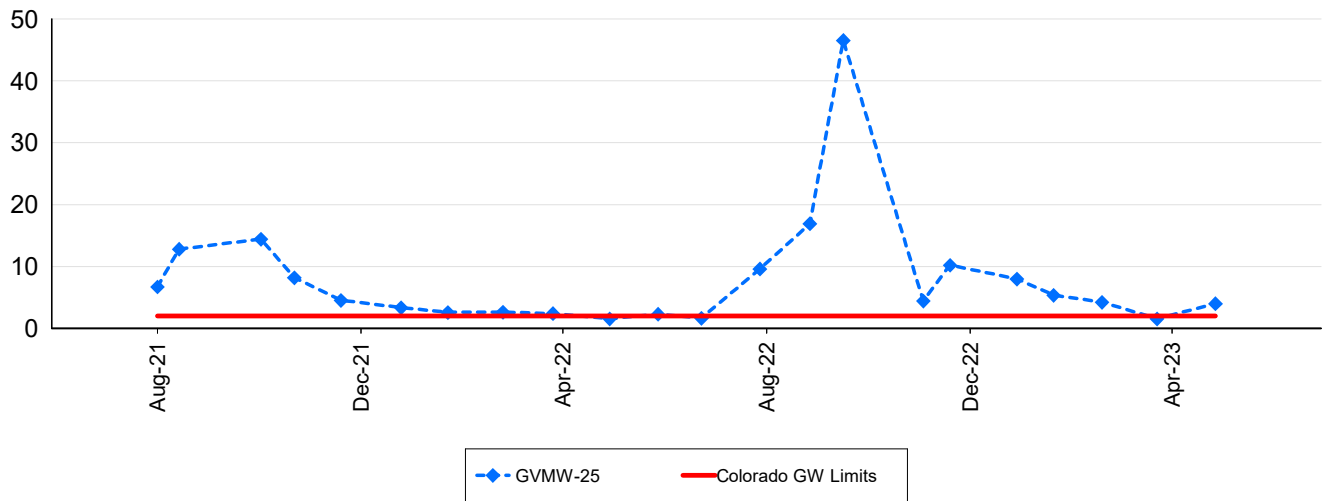
: Cyanide - Total (mg/L)



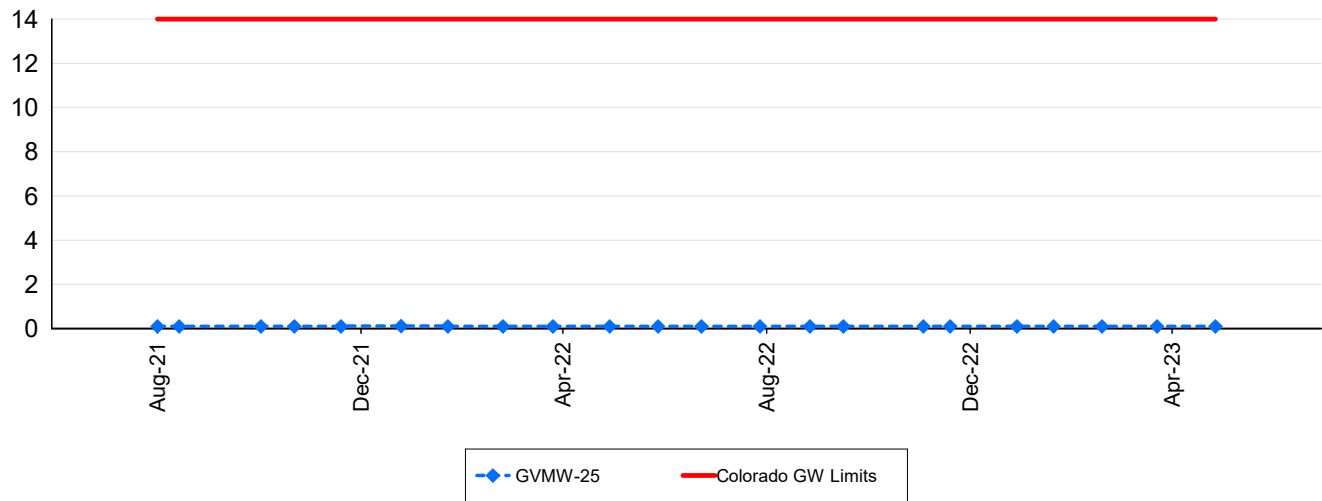
: Cyanide - WAD (mg/L)



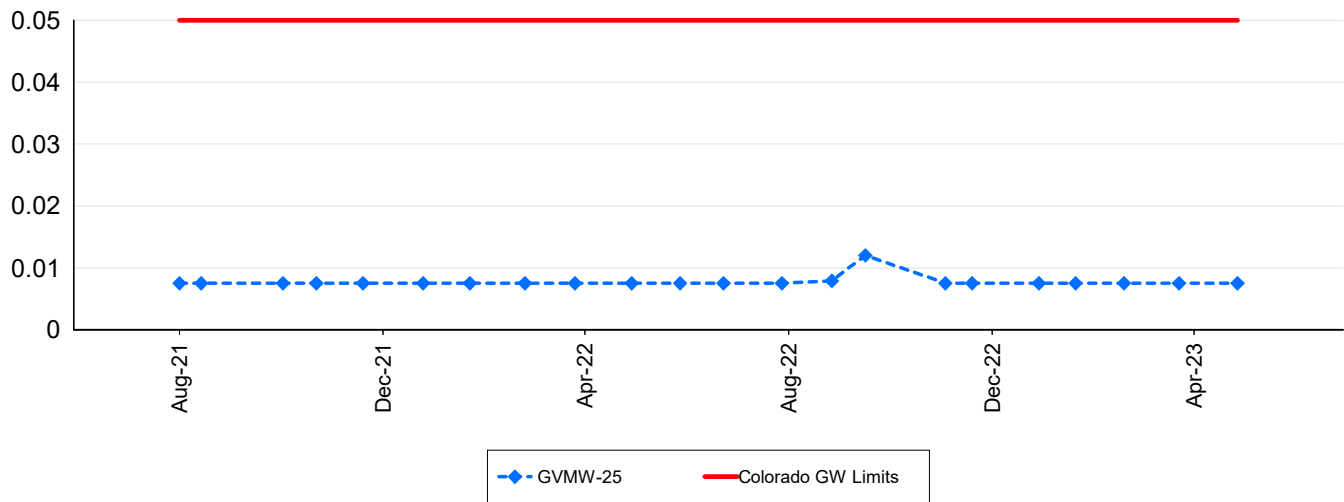
: Fluoride - Total F (mg/L)



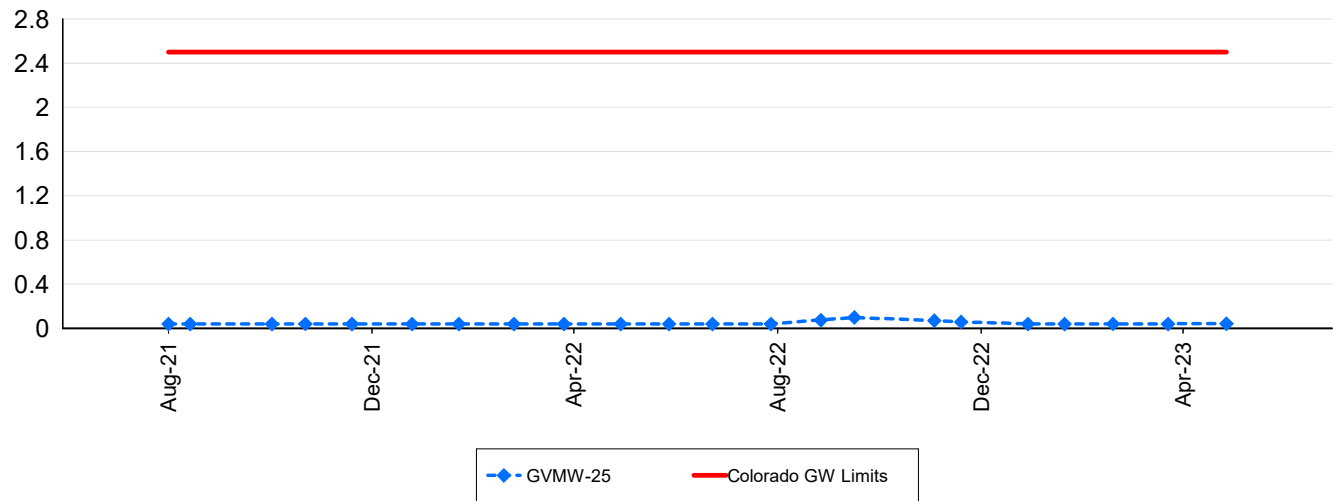
: Iron - Dissolved (mg/L)



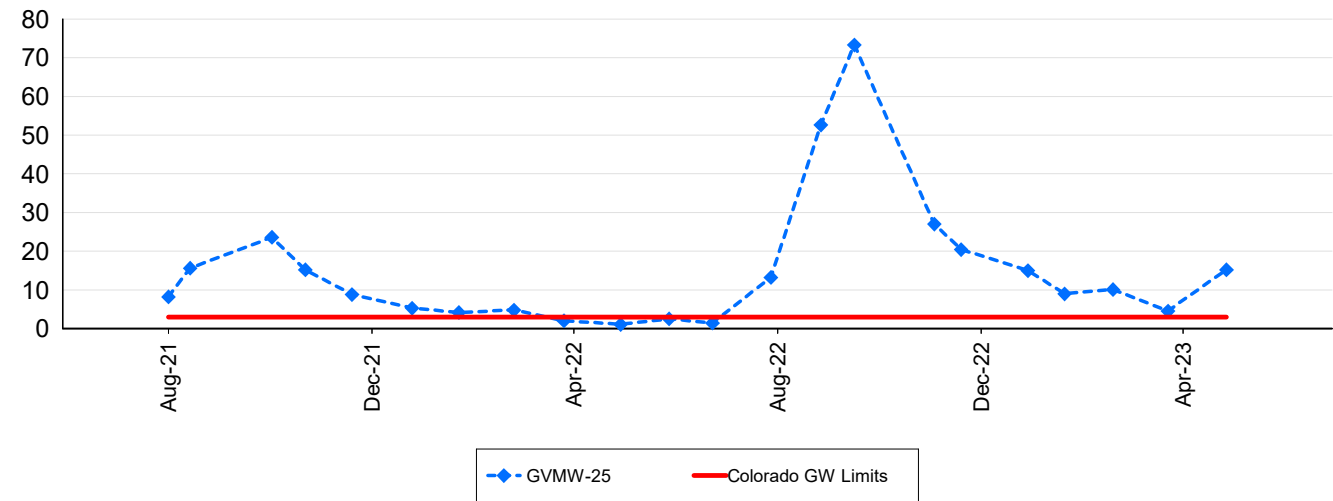
: Lead - Dissolved (mg/L)



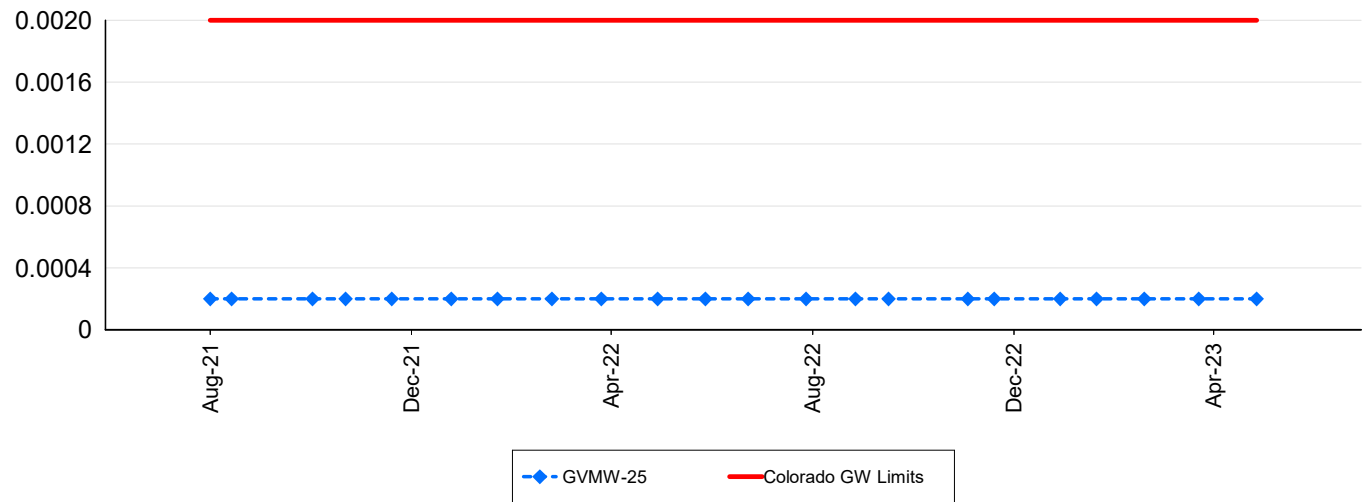
: Lithium - Dissolved (mg/L)



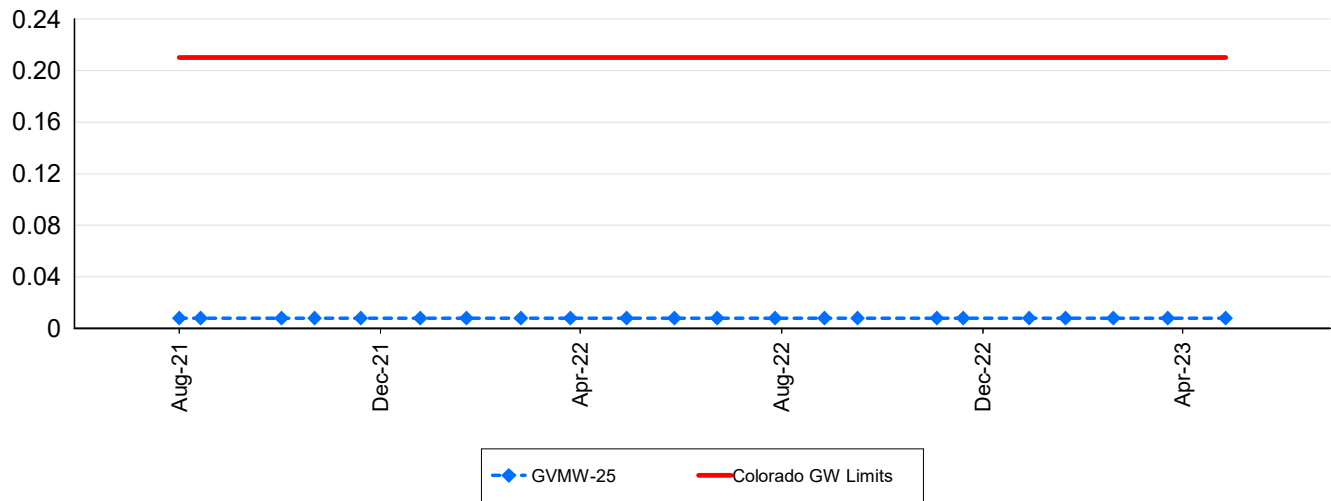
: Manganese - Dissolved (mg/L)



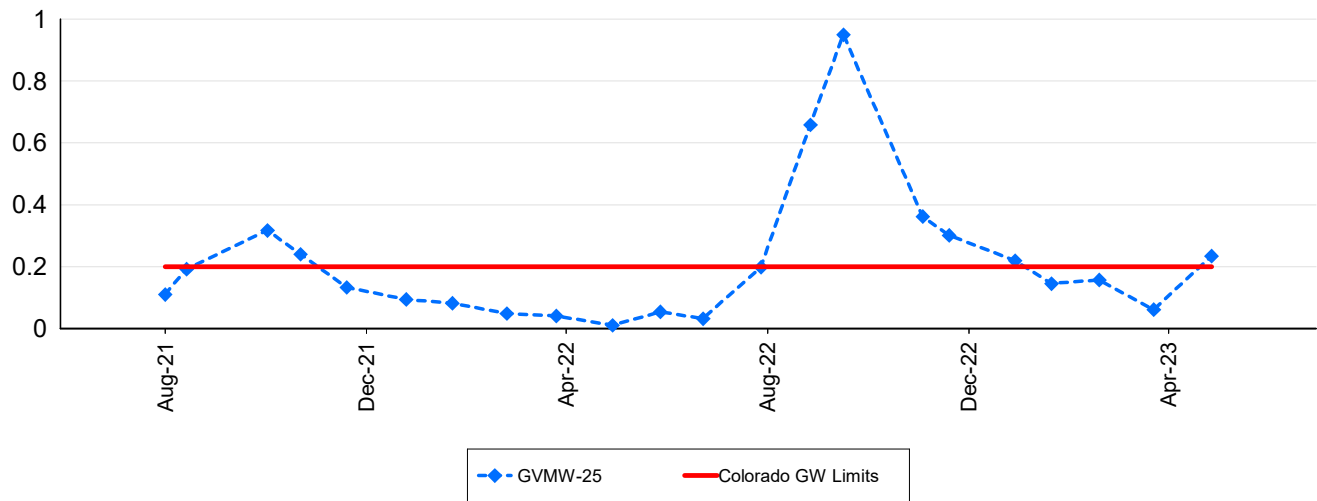
: Mercury - Dissolved (mg/L)



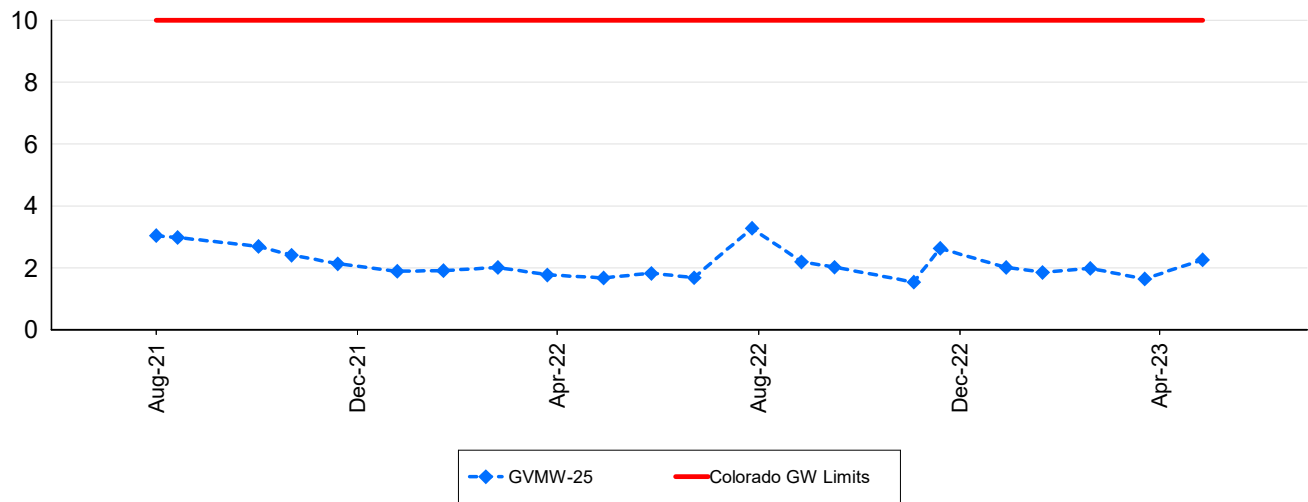
: Molybdenum - Dissolved (mg/L)



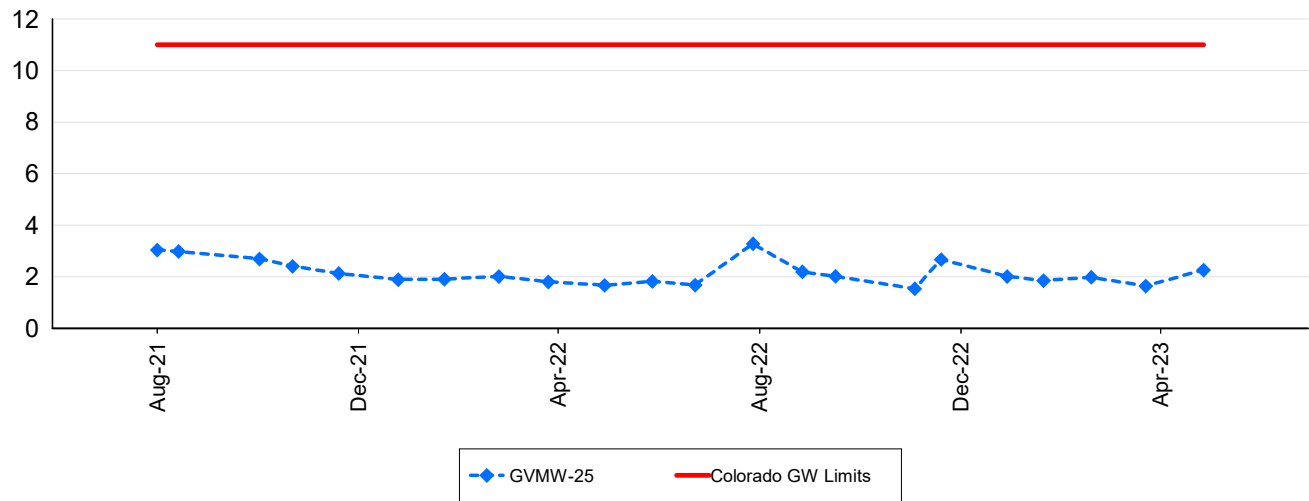
: Nickel - Dissolved (mg/L)



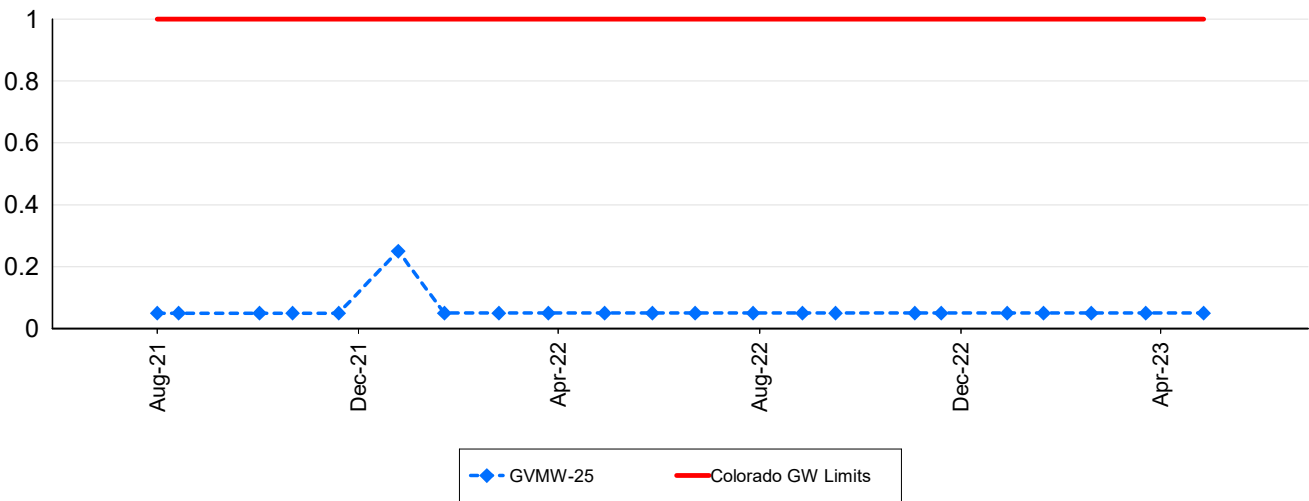
: Nitrate as Nitrogen (mg/L)



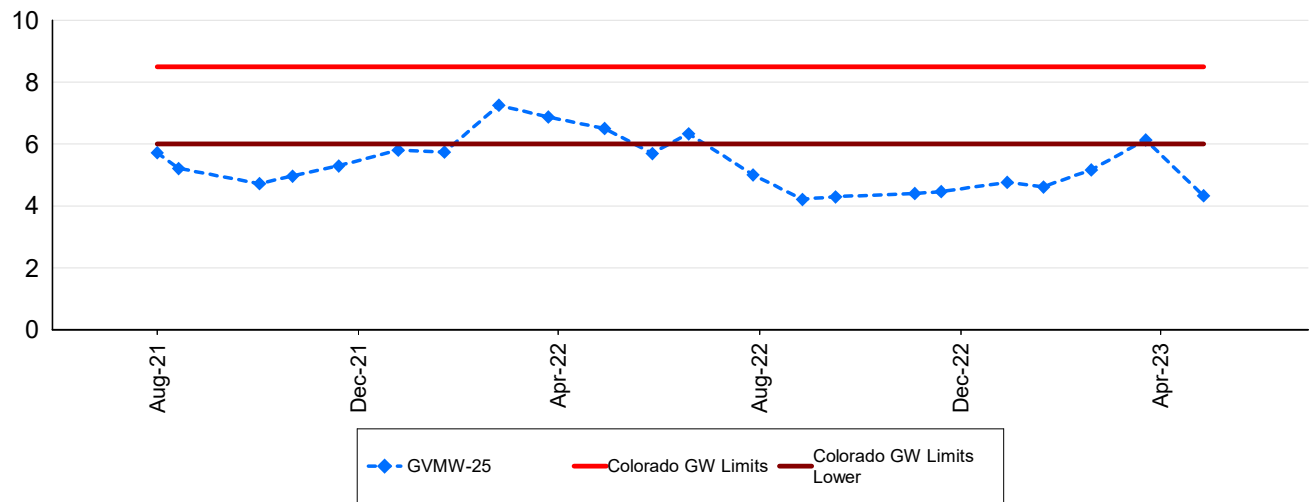
: Nitrite + Nitrate as Nitrogen (mg/L)



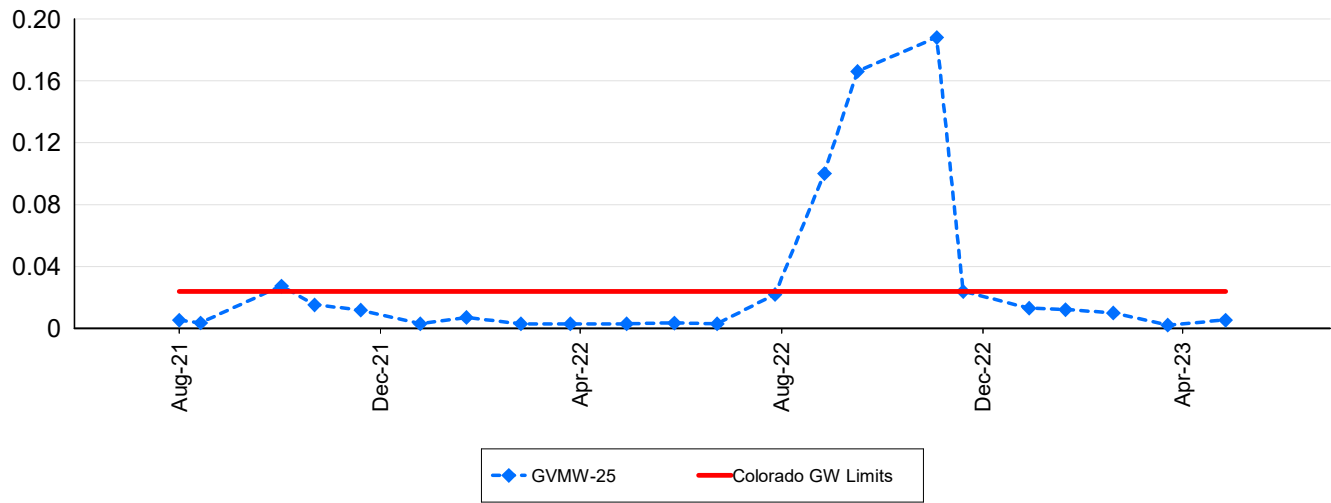
: Nitrite as Nitrogen (mg/L)



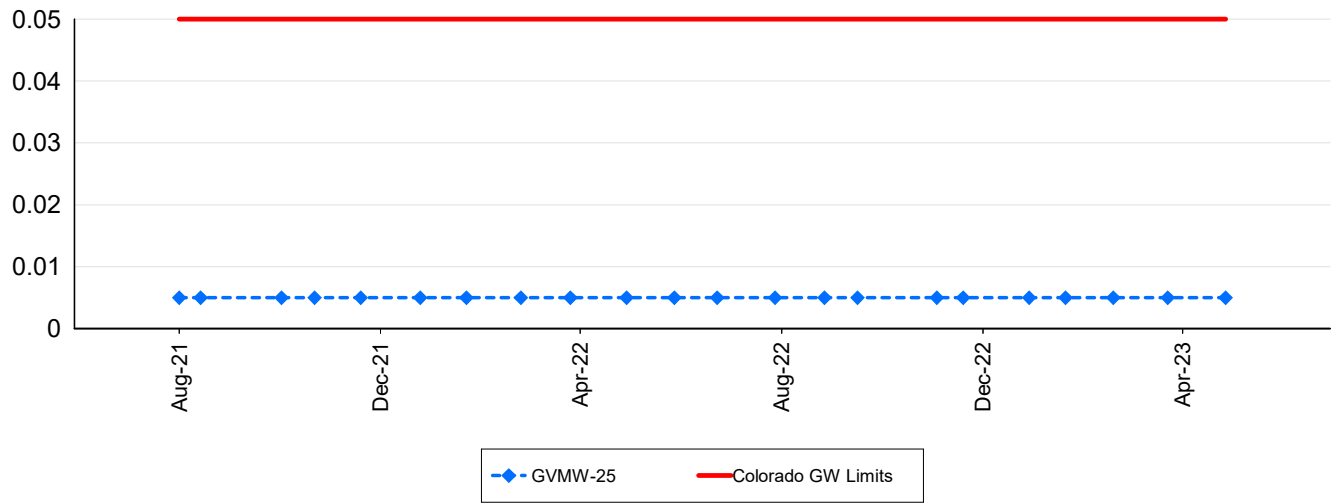
: pH Field (pH unit)



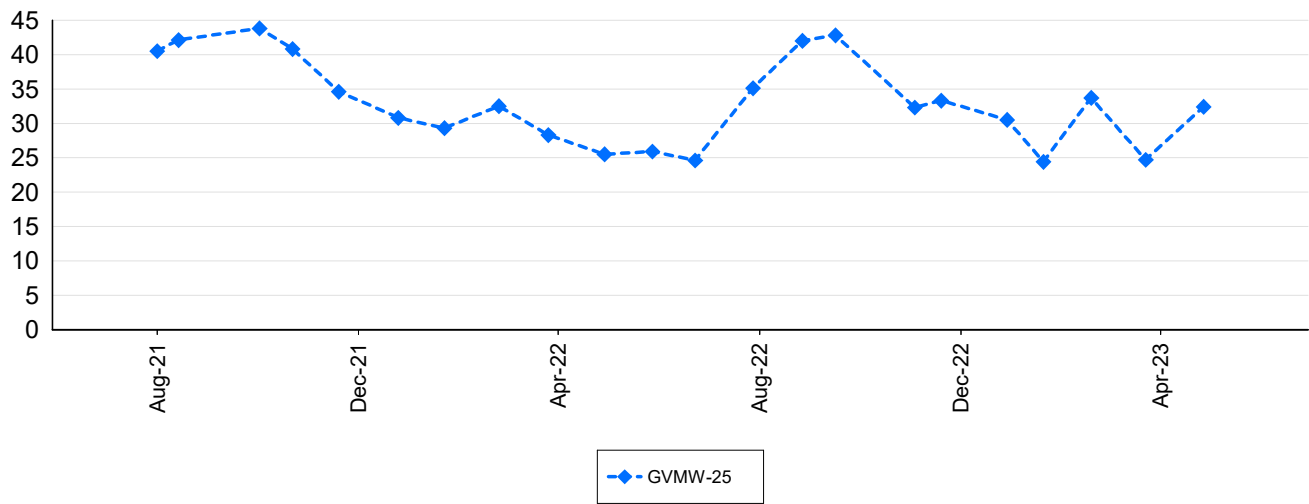
: Selenium - Dissolved (mg/L)



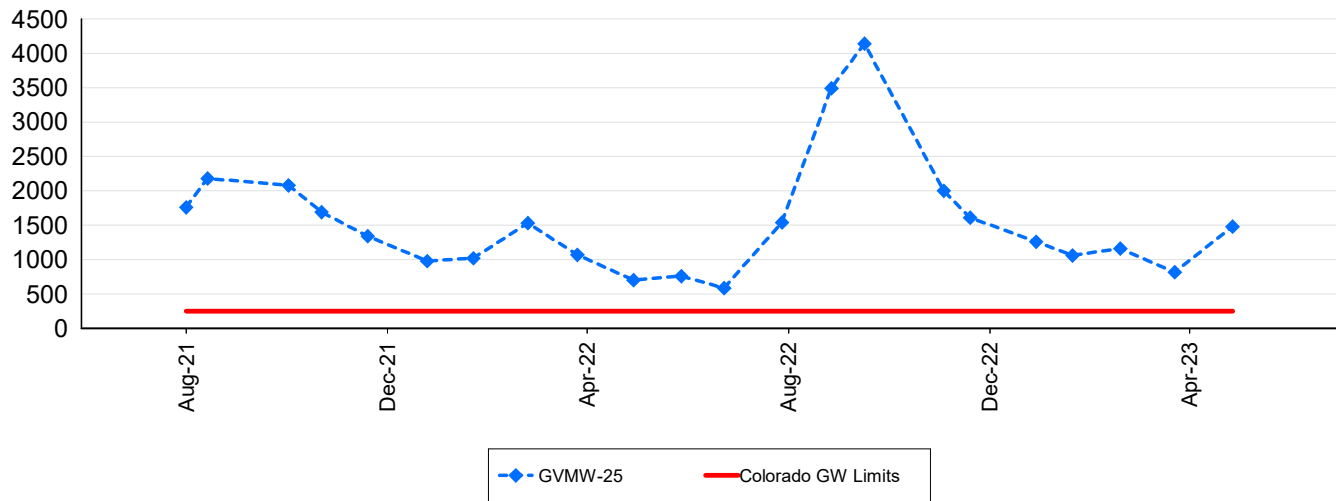
: Silver - Dissolved (mg/L)



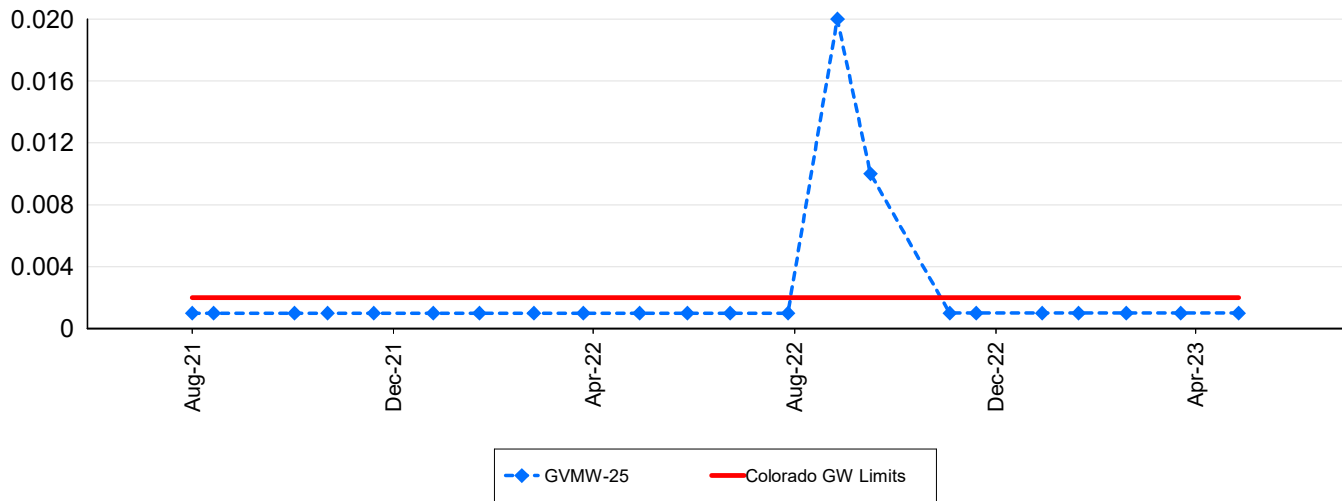
: Sodium - Dissolved (mg/L)



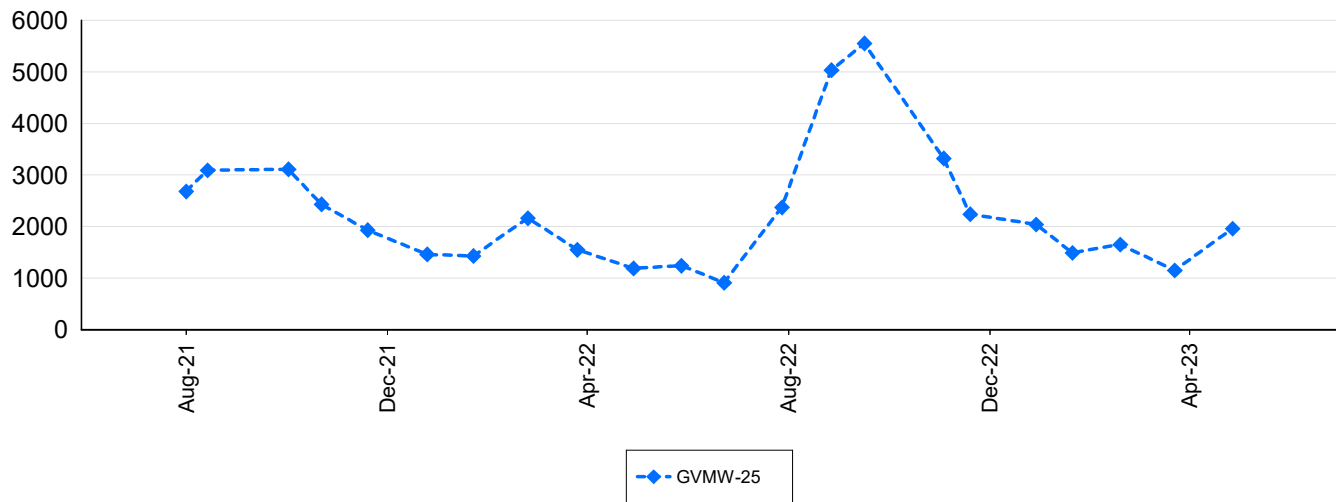
: Sulfate - Total (mg/L)



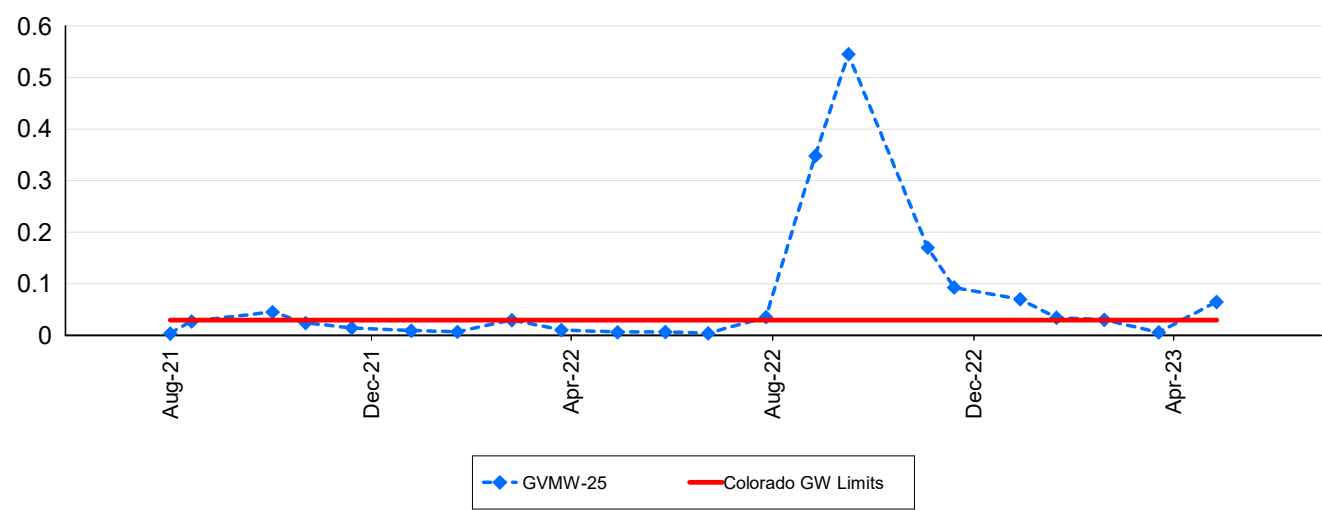
: Thallium - Dissolved (mg/L)



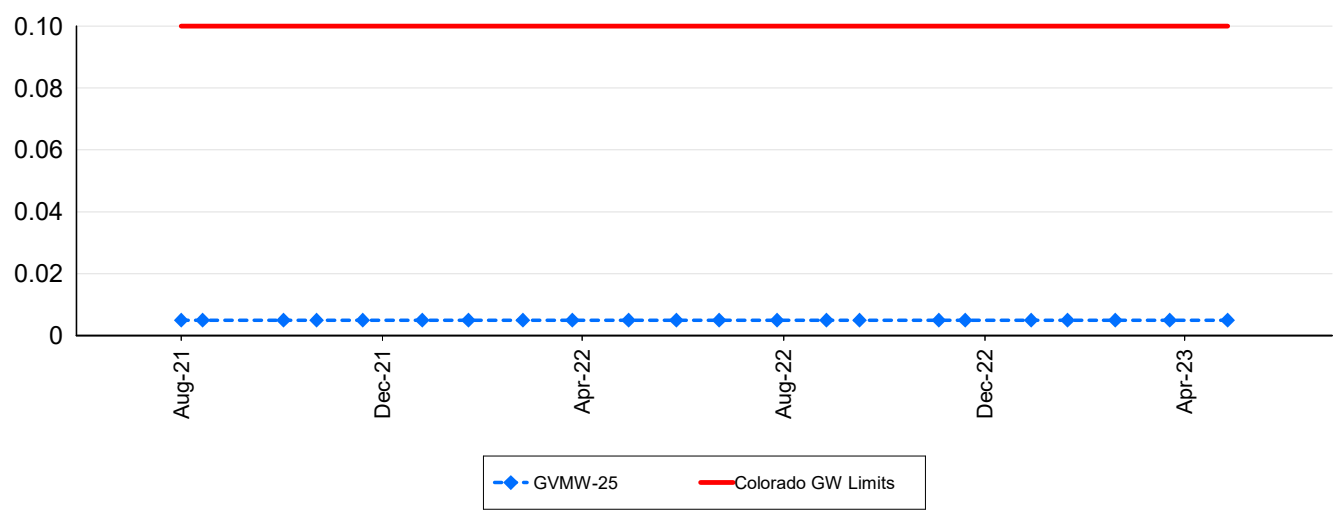
: Total Dissolved Solids (mg/L)



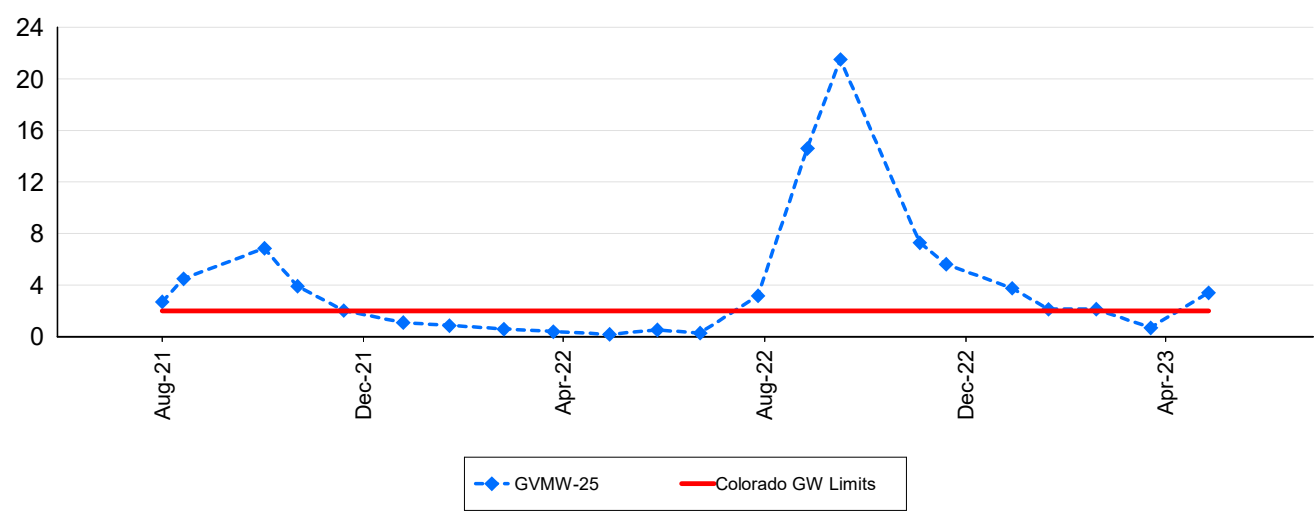
: Uranium - Dissolved (mg/L)



: Vanadium - Dissolved (mg/L)



: Zinc - Dissolved (mg/L)



Analytical Reports



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3E0267**

Reported: 02-Jun-23 10:24

Client Sample ID: **GVMW-25**SVL Sample ID: **X3E0267-04 (Ground Water)**

Sampled: 15-May-23 10:44

Received: 16-May-23

Sampled By: PB

Sample Report Page 1 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	333	mg/L	0.100	0.035		X320170	AS	05/23/23 12:25	
EPA 200.7	Magnesium	97.4	mg/L	0.500	0.045		X320170	AS	05/23/23 12:25	
EPA 200.7	Potassium	4.37	mg/L	0.50	0.09		X320170	AS	05/23/23 12:25	
SM 2340 B	Hardness (as CaCO3)	1230	mg/L	2.31	0.271		N/A		05/29/23 09:00	

Metals (Dissolved)

EPA 200.7	Aluminum	30.6	mg/L	0.080	0.054		X320095	AS	05/29/23 09:00	
EPA 200.7	Barium	0.0133	mg/L	0.0020	0.0019		X320095	AS	05/29/23 09:00	
EPA 200.7	Beryllium	0.0536	mg/L	0.00200	0.00080		X320095	AS	05/29/23 09:00	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X320095	AS	05/29/23 09:00	
EPA 200.7	Cadmium	0.108	mg/L	0.0020	0.0016		X320095	AS	05/29/23 09:00	
EPA 200.7	Calcium	326	mg/L	0.100	0.069		X320095	AS	05/29/23 09:00	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X320095	AS	05/29/23 09:00	
EPA 200.7	Cobalt	0.0517	mg/L	0.0060	0.0046		X320095	AS	05/29/23 09:00	
EPA 200.7	Copper	0.0572	mg/L	0.0100	0.0027		X320095	AS	05/29/23 09:00	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X320095	AS	05/29/23 09:00	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X320095	AS	05/29/23 09:00	
EPA 200.7	Lithium	0.043	mg/L	0.040	0.025		X320095	AS	05/29/23 09:00	
EPA 200.7	Magnesium	95.5	mg/L	0.500	0.090		X320095	AS	05/29/23 09:00	
EPA 200.7	Manganese	15.2	mg/L	0.0080	0.0034		X320095	AS	05/29/23 09:00	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X320095	AS	05/29/23 09:00	
EPA 200.7	Nickel	0.234	mg/L	0.0100	0.0048		X320095	AS	05/29/23 09:00	
EPA 200.7	Potassium	4.58	mg/L	0.50	0.18		X320095	AS	05/29/23 09:00	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X320095	AS	05/29/23 09:00	
EPA 200.7	Sodium	32.4	mg/L	0.50	0.12		X320095	AS	05/29/23 09:00	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X320095	AS	05/29/23 09:00	
EPA 200.7	Zinc	3.41	mg/L	0.0100	0.0054		X320095	AS	05/29/23 09:00	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X321082	SMU	05/26/23 13:39	D1
EPA 200.8	Arsenic	0.0107	mg/L	0.00200	0.00042	2	X321082	SMU	05/26/23 13:39	D1
EPA 200.8	Selenium	0.00538	mg/L	0.00200	0.00048	2	X321082	DWJ	05/30/23 11:49	D1
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000160	2	X321082	SMU	05/26/23 13:39	D1
EPA 200.8	Uranium	0.0648	mg/L	0.000200	0.000104	2	X321082	SMU	05/26/23 13:39	D1

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X320244	HJL	05/22/23 12:53	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X321003	HJL	05/24/23 09:35	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X320224	KAG	05/25/23 19:15	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X320154	JRR	05/19/23 09:40	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X321006	HJL	05/23/23 12:16	
SM 2310 B	Acidity to pH 8.3	174	mg/L as CaCO3	10.0			X320249	MWD	05/22/23 10:50	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:40	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:40	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:40	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:40	
SM 2540 C	Total Diss. Solids	1960	mg/L	40			X320179	TJL	05/19/23 13:00	D2
SM 2540 D	Total Susp. Solids	12.0	mg/L	5.0			X320180	TJL	05/19/23 17:20	
SM 4500 H B	pH @22.4°C	4.4	pH Units				X320174	MWD	05/18/23 14:40	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 23



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3E0267**

Reported: 02-Jun-23 10:24

Client Sample ID: **GVMW-25**SVL Sample ID: **X3E0267-04 (Ground Water)**

Sampled: 15-May-23 10:44

Received: 16-May-23

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	15.6	mg/L	10.0	1.10	50	X320073	RS	05/16/23 18:12	D2
EPA 300.0	Fluoride	3.98	mg/L	0.100	0.017		X320073	RS	05/16/23 17:53	
EPA 300.0	Nitrate as N	2.26	mg/L	0.050	0.013		X320073	RS	05/16/23 17:53	
EPA 300.0	Nitrate+Nitrite as N	2.26	mg/L	0.100	0.044		X320073	RS	05/16/23 17:53	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X320073	RS	05/16/23 17:53	
EPA 300.0	Sulfate as SO4	1480	mg/L	15.0	9.00	50	X320073	RS	05/16/23 18:12	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 29.7 meq/L

Anion Sum: 31.6 meq/L

C/A Balance: -3.14 %

Calculated TDS: 1972

TDS/cTDS: 0.99

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Katie Yoder

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3E0267**

Reported: 02-Jun-23 10:24

Client Sample ID: **ECOSA SEEP-1**

Sampled: 15-May-23 12:27

Received: 16-May-23

Sampled By: PB

SVL Sample ID: **X3E0267-01 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
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Metals (Total)

EPA 245.1	Mercury	< 0.000093	mg/L	0.000200	0.000093		X320243	HJL	05/22/23 11:33	U
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Barium	0.123	mg/L	0.0100	0.0095	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Beryllium	0.208	mg/L	0.0100	0.00400	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Boron	< 0.200	mg/L	0.200	0.0390	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Calcium	281	mg/L	0.500	0.345	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Chromium	0.221	mg/L	0.0300	0.0100	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Iron	245	mg/L	0.500	0.280	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Magnesium	395	mg/L	2.50	0.450	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Manganese	446	mg/L	0.400	0.170	100	X321042	AS	05/30/23 09:53	D2
EPA 200.7	Molybdenum	< 0.0400	mg/L	0.0400	0.0170	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Nickel	3.38	mg/L	0.0500	0.0240	10	X321042	AS	05/29/23 11:04	D1
EPA 200.7	Phosphorus	3.61	mg/L	0.250	0.065	10	X321042	AS	05/29/23 11:04	D1
EPA 200.7	Potassium	< 2.50	mg/L	2.50	0.90	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Sodium	29.4	mg/L	2.50	0.60	10	X321042	AS	05/29/23 11:52	D1
EPA 200.7	Zinc	54.9	mg/L	0.500	0.270	100	X321042	AS	05/30/23 09:53	D2
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00144	4	X321036	SMU	05/30/23 18:52	D1
EPA 200.8	Arsenic	0.132	mg/L	0.00200	0.00042	4	X321036	SMU	05/30/23 18:52	D1
EPA 200.8	Cadmium	4.27	mg/L	0.0100	0.00630	200	X321036	SMU	05/30/23 18:55	D2
EPA 200.8	Chromium	0.311	mg/L	0.00200	0.00034	4	X321036	SMU	05/30/23 18:52	D1
EPA 200.8	Copper	5.82	mg/L	0.0400	0.0360	200	X321036	SMU	05/30/23 18:55	D2
EPA 200.8	Lead	0.00353	mg/L	0.00040	0.00028	4	X321036	SMU	05/30/23 18:52	D1
EPA 200.8	Selenium	0.0222	mg/L	0.00300	0.00048	4	X321036	SMU	05/31/23 15:51	D1

Metals (Dissolved)

EPA 200.7	Aluminum	1440	mg/L	0.800	0.540	10	X320160	AS	05/30/23 11:14	D2,M4
EPA 200.7	Barium	0.0528	mg/L	0.0200	0.0190	10	X320160	AS	05/30/23 11:14	D1
EPA 200.7	Beryllium	0.201	mg/L	0.00200	0.00080		X320160	AS	05/29/23 10:00	
EPA 200.7	Calcium	294	mg/L	1.00	0.690	10	X320160	AS	05/30/23 11:14	D1
EPA 200.7	Iron	245	mg/L	1.00	0.560	10	X320160	AS	05/30/23 11:14	D1,M4
EPA 200.7	Magnesium	379	mg/L	5.00	0.900	10	X320160	AS	05/30/23 11:14	D1,M4
EPA 200.7	Manganese	474	mg/L	0.0800	0.0340	10	X320160	AS	05/30/23 11:14	M4
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X320160	AS	05/29/23 10:00	
EPA 200.7	Nickel	3.44	mg/L	0.0100	0.0048		X320160	AS	05/29/23 10:00	
EPA 200.7	Potassium	0.96	mg/L	0.50	0.18		X320160	AS	05/29/23 10:00	
EPA 200.7	Sodium	31.2	mg/L	5.00	1.20	10	X320160	AS	05/30/23 11:14	D1
EPA 200.7	Zinc	58.6	mg/L	0.100	0.0540	10	X320160	AS	05/30/23 11:14	D2,M4
EPA 200.8	Antimony	< 0.00400	mg/L	0.00400	0.00288	4	X321082	SMU	05/27/23 09:10	D1
EPA 200.8	Arsenic	0.118	mg/L	0.00400	0.00084	4	X321082	SMU	05/27/23 09:10	D1
EPA 200.8	Cadmium	3.80	mg/L	0.000400	0.000252	4	X321082	SMU	05/27/23 09:10	D2
EPA 200.8	Chromium	0.232	mg/L	0.00400	0.00068	4	X321082	SMU	05/27/23 09:10	D1
EPA 200.8	Copper	5.29	mg/L	0.00160	0.00144	4	X321082	SMU	05/27/23 09:10	D1
EPA 200.8	Lead	< 0.0200	mg/L	0.0200	0.0140	100	X321082	DWJ	05/30/23 11:41	D1
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X321082	DWJ	05/30/23 11:41	D1
EPA 200.8	Silver	< 0.000320	mg/L	0.000320	0.000244	4	X321082	SMU	05/27/23 09:10	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X321082	DWJ	05/30/23 11:41	D1
EPA 200.8	Uranium	3.96	mg/L	0.0100	0.00520	100	X321082	DWJ	05/30/23 11:41	D2

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X321167	HJL	05/26/23 12:08	
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SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 23



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3E0267**

Reported: 02-Jun-23 10:24

Client Sample ID: **ECOSA SEEP-1**SVL Sample ID: **X3E0267-01 (Ground Water)**

Sampled: 15-May-23 12:27

Received: 16-May-23

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X321004	HJL	05/25/23 10:18	
Calculation	Chromium(III)	0.221	mg/L	0.0350	0.0119		N/A		05/29/23 11:52	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X320224	KAG	05/25/23 19:07	
EPA 350.1	Ammonia as N	0.268	mg/L	0.060	0.025	2	X320159	HJL	05/30/23 15:45	D1
EPA 351.2	TKN	1.64	mg/L	0.50	0.31		X320042	KAG	05/22/23 15:51	
Hach 8167	Total Chlorine	0.87	mg/L	0.020	0.020		X320086	NMS	05/16/23 14:10	E12,H5,R2B
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X321006	HJL	05/23/23 12:07	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:24	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:24	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:24	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:24	
SM 2540 C	Total Diss. Solids	16200	mg/L	100			X320179	TJL	05/19/23 13:00	D2
SM 2540 D	Total Susp. Solids	99.0	mg/L	5.0			X320180	TJL	05/19/23 17:20	
SM 4500 H B	pH @22.0°C	2.9	pH Units				X320174	MWD	05/18/23 14:24	H5
SM 4500 S D	Sulfide	< 1.00	mg/L	1.00	0.400	20	X320127	DD	05/17/23 13:15	D1
SM 4500-O-G	Dissolved Oxygen	8.0	mg/L	0.1			X320198	TJL	05/23/23 16:30	

Dissolved Classical Chemistry Parameters

SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X320066	DD	05/18/23 16:45	E12,N1
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Filtered Classical Chemistry Parameters

Calculation	Chromium (III)	0.232	mg/L	0.00900	0.00258		N/A		05/27/23 09:10	
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Anions by Ion Chromatography

EPA 300.0	Chloride	4.03	mg/L	2.00	0.22	10	X320073	RS	06/01/23 11:19	D1
EPA 300.0	Fluoride	39.9	mg/L	1.00	0.170	10	X320073	RS	06/01/23 11:19	D2
EPA 300.0	Nitrate as N	2.32	mg/L	0.500	0.130	10	X320073	RS	06/01/23 11:19	D1,H3
EPA 300.0	Nitrate+Nitrite as N	2.32	mg/L	1.00	0.440	10	X320073	RS	06/01/23 11:19	D1,H3
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X320073	RS	06/01/23 11:19	D1,H3
EPA 300.0	Sulfate as SO4	12000	mg/L	75.0	45.0	250	X320073	RS	06/01/23 11:36	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 234 meq/L Anion Sum: 252 meq/L C/A Balance: -3.85 % Calculated TDS: 12759 TDS/cTDS: 1.27

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Katie Yoder



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3E0267**

Reported: 02-Jun-23 10:24

Client Sample ID: **ECOSA SEEP-2**

Sampled: 15-May-23 12:05

Received: 16-May-23

Sampled By: PB

SVL Sample ID: **X3E0267-02 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
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Metals (Total)

EPA 245.1	Mercury	0.000139	mg/L	0.000200	0.000093		X320243	HJL	05/22/23 11:36	J
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Metals (Total Recoverable--reportable as Total per 40 CFR 136)

EPA 200.7	Barium	< 0.0100	mg/L	0.0100	0.0095	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Beryllium	0.137	mg/L	0.0100	0.00400	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Boron	< 0.200	mg/L	0.200	0.0390	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Calcium	245	mg/L	0.500	0.345	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Chromium	0.128	mg/L	0.0300	0.0100	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Iron	551	mg/L	0.500	0.280	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Magnesium	303	mg/L	2.50	0.450	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Manganese	586	mg/L	4.00	1.70	1000	X321042	AS	05/30/23 09:57	D2
EPA 200.7	Molybdenum	0.0406	mg/L	0.0400	0.0170	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Nickel	2.20	mg/L	0.0500	0.0240	10	X321042	AS	05/29/23 11:08	D1
EPA 200.7	Phosphorus	7.36	mg/L	0.250	0.065	10	X321042	AS	05/29/23 11:08	D1
EPA 200.7	Potassium	< 2.50	mg/L	2.50	0.90	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Sodium	9.65	mg/L	2.50	0.60	10	X321042	AS	05/29/23 10:52	D1
EPA 200.7	Zinc	275	mg/L	5.00	2.70	1000	X321042	AS	05/30/23 09:57	D2
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00144	4	X321036	SMU	05/30/23 19:00	D1
EPA 200.8	Arsenic	0.959	mg/L	0.00200	0.00042	4	X321036	SMU	05/30/23 19:00	D1
EPA 200.8	Cadmium	5.97	mg/L	0.0100	0.00630	200	X321036	SMU	05/30/23 19:03	D2
EPA 200.8	Chromium	0.336	mg/L	0.00200	0.00034	4	X321036	SMU	05/30/23 19:00	D1
EPA 200.8	Copper	11.3	mg/L	0.0400	0.0360	200	X321036	SMU	05/30/23 19:03	D2
EPA 200.8	Lead	0.00325	mg/L	0.00040	0.00028	4	X321036	SMU	05/30/23 19:00	D1
EPA 200.8	Selenium	0.0240	mg/L	0.00300	0.00048	4	X321036	SMU	05/31/23 15:53	D1

Metals (Dissolved)

EPA 200.7	Aluminum	1240	mg/L	0.800	0.540	10	X320160	AS	05/30/23 11:24	D2
EPA 200.7	Barium	< 0.0200	mg/L	0.0200	0.0190	10	X320160	AS	05/30/23 11:24	D1
EPA 200.7	Beryllium	0.132	mg/L	0.00200	0.00080		X320160	AS	05/29/23 10:10	
EPA 200.7	Calcium	272	mg/L	1.00	0.690	10	X320160	AS	05/30/23 11:24	D1
EPA 200.7	Iron	603	mg/L	1.00	0.560	10	X320160	AS	05/30/23 11:24	D1
EPA 200.7	Magnesium	342	mg/L	5.00	0.900	10	X320160	AS	05/30/23 11:24	D1
EPA 200.7	Manganese	618	mg/L	0.0800	0.0340	10	X320160	AS	05/30/23 11:24	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X320160	AS	05/29/23 10:10	
EPA 200.7	Nickel	2.29	mg/L	0.0100	0.0048		X320160	AS	05/29/23 10:10	
EPA 200.7	Potassium	0.84	mg/L	0.50	0.18		X320160	AS	05/29/23 10:10	
EPA 200.7	Sodium	12.2	mg/L	5.00	1.20	10	X320160	AS	05/30/23 11:24	D1
EPA 200.7	Zinc	279	mg/L	0.100	0.0540	10	X320160	AS	05/30/23 11:24	D2
EPA 200.8	Antimony	< 0.00400	mg/L	0.00400	0.00288	4	X321082	SMU	05/27/23 09:22	D1
EPA 200.8	Arsenic	0.627	mg/L	0.00400	0.00084	4	X321082	SMU	05/27/23 09:22	D1
EPA 200.8	Cadmium	5.75	mg/L	0.000400	0.000252	4	X321082	SMU	05/27/23 09:22	D2
EPA 200.8	Chromium	0.186	mg/L	0.00400	0.00068	4	X321082	SMU	05/27/23 09:22	D1
EPA 200.8	Copper	12.8	mg/L	0.0400	0.0360	100	X321082	SMU	05/27/23 09:25	D2
EPA 200.8	Lead	< 0.0200	mg/L	0.0200	0.0140	100	X321082	DWJ	05/30/23 11:43	D1
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X321082	DWJ	05/30/23 11:43	D1
EPA 200.8	Silver	< 0.000320	mg/L	0.000320	0.000244	4	X321082	SMU	05/27/23 09:22	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X321082	DWJ	05/30/23 11:43	D1
EPA 200.8	Uranium	9.82	mg/L	0.0100	0.00520	100	X321082	DWJ	05/30/23 11:43	D2

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X321167	HJL	05/26/23 12:10	
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SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 23



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3E0267**

Reported: 02-Jun-23 10:24

Client Sample ID: **ECOSA SEEP-2**SVL Sample ID: **X3E0267-02 (Ground Water)**

Sampled: 15-May-23 12:05

Received: 16-May-23

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X321004	HJL	05/25/23 10:20	
Calculation	Chromium(III)	0.0406	mg/L	0.0350	0.0119		N/A		05/29/23 10:52	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X320224	KAG	05/25/23 19:10	
EPA 350.1	Ammonia as N	0.129	mg/L	0.060	0.025	2	X320159	HJL	05/30/23 15:46	D1
EPA 351.2	TKN	0.62	mg/L	0.50	0.31		X320042	KAG	05/22/23 15:53	
Hach 8167	Total Chlorine	0.34	mg/L	0.020	0.020		X320086	NMS	05/16/23 14:12	E12,H5
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X321006	HJL	05/23/23 12:09	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:29	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:29	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:29	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:29	
SM 2540 C	Total Diss. Solids	17000	mg/L	100			X320179	TJL	05/19/23 13:00	D2
SM 2540 D	Total Susp. Solids	25.0	mg/L	5.0			X320180	TJL	05/19/23 17:20	
SM 4500 H B	pH @22.1°C	2.7	pH Units				X320174	MWD	05/18/23 14:29	H5
SM 4500 S D	Sulfide	< 1.00	mg/L	1.00	0.400	20	X320127	DD	05/17/23 13:17	D1
SM 4500-O-G	Dissolved Oxygen	7.7	mg/L	0.1			X320198	TJL	05/23/23 16:30	H5

Dissolved Classical Chemistry Parameters

SM 3500 Cr B	Hexavalent Chromium	0.0879	mg/L	0.0050	0.0019		X320066	DD	05/18/23 16:45	E12,N1
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Filtered Classical Chemistry Parameters

Calculation	Chromium (III)	0.0979	mg/L	0.00900	0.00258		N/A		05/27/23 09:22	
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Anions by Ion Chromatography

EPA 300.0	Chloride	3.25	mg/L	2.00	0.22	10	X320073	RS	06/01/23 11:53	D1
EPA 300.0	Fluoride	254	mg/L	25.0	4.25	250	X320073	RS	06/01/23 12:10	D2
EPA 300.0	Nitrate as N	< 0.500	mg/L	0.500	0.130	10	X320073	RS	06/01/23 11:53	D1,H3
EPA 300.0	Nitrate+Nitrite as N	< 1.00	mg/L	1.00	0.440	10	X320073	RS	06/01/23 11:53	D1,H3
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X320073	RS	06/01/23 11:53	D1,H3
EPA 300.0	Sulfate as SO4	11700	mg/L	75.0	45.0	250	X320073	RS	06/01/23 12:10	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 225 meq/L Anion Sum: 257 meq/L C/A Balance: -6.58 % Calculated TDS: 12550 TDS/cTDS: 1.35

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Katie Yoder

Field Sheets

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valleyDate: 5/15/23Technician: P. BarelaQuarter: 2Static Water Level (DTW): 65.1Well ID: GVMW-25Is well Dry? NOIf so Dry at: —Well Depth: 79
feet67.3
67.7
67.9
68
67.1
67.8
68
68.1
68.2
68.5

Time	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
9:47		5.05	1228	6.8	~12.97 4p
9:52	2.2	4.57	1561	7.0	
9:57	2.6	4.47	1842	7.5	
10:02	2.8	4.42	1873	7.2	
10:07	2.9	4.38	1893	7.3	Pump stopped working
10:19	2	4.44	1899	8.0	
10:24	2.7	4.47	1963	7.6	
10:29	2.9	4.42	2031	7.8	
10:34	3	4.34	2114	7.6	
10:39	3.1	4.34	2098	7.6	
10:44	3.4	4.33	2090	7.5	

Sample Method: Low Flow Rate (gpm): ~3.43 Time Start: 9:47 Time End: 10:44

Final Parameters	Stabilization Guidance	Met?	Comments
pH	4.33	0.1	Y/N
Conductivity	2090	3%	Y/N
Temp@	7.5	10%	Y/N
Final H2O level	68.5	feet	

O/G visible: Y/NTurbid? Y/NEquipment Decontaminated: Y/NDecontamination procedure used: Triple rinse w/ LiquiDox before pumping. usenew filter & tubingSignature: [Signature]Weather: sunny, clear

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: Seep-1Date: 5/15/23Technician: P. BurelaQuarter: 2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
12:21 pm	2.76	8505	12.1	

Sample Method: GrabOil/Gas visible [Y/N] ☒ NTurbid ☒ Y [Y/N]Clear [Y/N] ☒ NWeather: Cloudy, PuffySignature: 

Comments:

Sample: new seep. add Hex Chrome & Zn Acetate

Newmont Mining Co**Cripple Creek & Victor Gold Mining Co****Surface Water Sampling Log**Location: Seep-2Date: 5/15/23Technician: P. BarciaQuarter: 2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
12:05 PM	2.54	8606	17.3	

Sample Method: GrabOil/Gas visible [Y/N] NTurbid [Y/N] NClear [Y/N] NWeather: Sunny, clearSignature: [Signature]**Comments:**Water is very red even the Filter bottles.Sample: New Seep: add Hex Chrome. & Zn Acetate

Newmont Mining Co**Cripple Creek & Victor Gold Mining Co****Surface Water Sampling Log****Location :** Grassy valley GV-06**Date:** 5/15/23**Technician:** P. Barela**Quarter:** 2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
9:04 am	—	—	—	—

Sample Method: —**Oil/Gas visible** [Y/N] /**Turbid** [Y/N] /**Clear** [Y/N] /**Weather:** Clear, sunny**Signature:** **Comments:**

A lot of snow is still in area

QA/QC

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3E0267**

Reported: 02-Jun-23 10:24

Client Sample ID: **GVMW-125**

Sampled: 15-May-23 10:44

SVL Sample ID: **X3E0267-05 (Ground Water)**

Received: 16-May-23

Sampled By: PB

Sample Report Page 1 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	342	mg/L	0.100	0.035		X320170	AS	05/23/23 12:29	
EPA 200.7	Magnesium	102	mg/L	0.500	0.045		X320170	AS	05/23/23 12:29	
EPA 200.7	Potassium	4.57	mg/L	0.50	0.09		X320170	AS	05/23/23 12:29	
SM 2340 B	Hardness (as CaCO3)	1210	mg/L	2.31	0.543		N/A		05/23/23 12:29	

Metals (Dissolved)

EPA 200.7	Aluminum	30.8	mg/L	0.080	0.054		X320095	AS	05/29/23 09:03	
EPA 200.7	Barium	0.0133	mg/L	0.0020	0.0019		X320095	AS	05/29/23 09:03	
EPA 200.7	Beryllium	0.0542	mg/L	0.00200	0.00080		X320095	AS	05/29/23 09:03	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X320095	AS	05/29/23 09:03	
EPA 200.7	Cadmium	0.108	mg/L	0.0020	0.0016		X320095	AS	05/29/23 09:03	
EPA 200.7	Calcium	327	mg/L	0.100	0.069		X320095	AS	05/29/23 09:03	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X320095	AS	05/29/23 09:03	
EPA 200.7	Cobalt	0.0523	mg/L	0.0060	0.0046		X320095	AS	05/29/23 09:03	
EPA 200.7	Copper	0.0569	mg/L	0.0100	0.0027		X320095	AS	05/29/23 09:03	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X320095	AS	05/29/23 09:03	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X320095	AS	05/29/23 09:03	
EPA 200.7	Lithium	0.041	mg/L	0.040	0.025		X320095	AS	05/29/23 09:03	
EPA 200.7	Magnesium	96.6	mg/L	0.500	0.090		X320095	AS	05/29/23 09:03	
EPA 200.7	Manganese	15.3	mg/L	0.0080	0.0034		X320095	AS	05/29/23 09:03	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X320095	AS	05/29/23 09:03	
EPA 200.7	Nickel	0.237	mg/L	0.0100	0.0048		X320095	AS	05/29/23 09:03	
EPA 200.7	Potassium	4.49	mg/L	0.50	0.18		X320095	AS	05/29/23 09:03	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X320095	AS	05/29/23 09:03	
EPA 200.7	Sodium	32.4	mg/L	0.50	0.12		X320095	AS	05/29/23 09:03	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X320095	AS	05/29/23 09:03	
EPA 200.7	Zinc	3.50	mg/L	0.0100	0.0054		X320095	AS	05/29/23 09:03	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X321082	SMU	05/26/23 14:05	D1
EPA 200.8	Arsenic	0.0105	mg/L	0.00200	0.00042	2	X321082	SMU	05/26/23 14:05	D1
EPA 200.8	Selenium	0.00537	mg/L	0.00200	0.00048	2	X321082	DWJ	05/30/23 11:51	D1
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000160	2	X321082	SMU	05/26/23 14:05	D1
EPA 200.8	Uranium	0.0671	mg/L	0.000200	0.000104	2	X321082	SMU	05/26/23 14:05	D1

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X320244	HJL	05/22/23 12:55	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X321003	HJL	05/24/23 09:36	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X320224	KAG	05/25/23 19:18	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X320154	JRR	05/19/23 09:42	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X321006	HJL	05/23/23 12:18	
SM 2310 B	Acidity to pH 8.3	174	mg/L as CaCO3	10.0			X320249	MWD	05/22/23 10:50	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:44	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:44	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:44	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X320174	MWD	05/18/23 14:44	
SM 2540 C	Total Diss. Solids	1750	mg/L	40			X320179	TJL	05/19/23 13:00	D2
SM 2540 D	Total Susp. Solids	19.0	mg/L	5.0			X320180	TJL	05/19/23 17:20	
SM 4500 H B	pH @22.2°C	4.4	pH Units				X320174	MWD	05/18/23 14:44	H5



One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Newmont - Cripple Creek & Victor
Post Office Box 191
Victor, CO 80860

Work Order: **X3E0267**
Reported: 02-Jun-23 10:24

Client Sample ID: **GVMW-125**
SVL Sample ID: **X3E0267-05 (Ground Water)**

Sample Report Page 2 of 2

Sampled: 15-May-23 10:44
Received: 16-May-23
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	15.6	mg/L	10.0	1.10	50	X320073	RS	05/16/23 18:49	D2
EPA 300.0	Fluoride	4.19	mg/L	0.100	0.017		X320073	RS	05/16/23 18:30	
EPA 300.0	Nitrate as N	2.26	mg/L	0.050	0.013		X320073	RS	05/16/23 18:30	
EPA 300.0	Nitrate+Nitrite as N	2.26	mg/L	0.100	0.044		X320073	RS	05/16/23 18:30	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X320073	RS	05/16/23 18:30	
EPA 300.0	Sulfate as SO4	1470	mg/L	15.0	9.00	50	X320073	RS	05/16/23 18:49	D2

Cation/Anion Balance and TDS Ratios										
Cation Sum: 29.9 meq/L		Anion Sum: 31.4 meq/L		C/A Balance: -2.54 %		Calculated TDS: 1971		TDS/cTDS: 0.89		

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Katie Yoder

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3E0267**

Reported: 02-Jun-23 10:24

Client Sample ID: **RB-0515**

Sampled: 15-May-23 09:20

Received: 16-May-23

Sampled By: PB

SVL Sample ID: **X3E0267-06 (Ground Water)****Sample Report Page 1 of 2**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.035		X320170	AS	05/23/23 12:32	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.045		X320170	AS	05/23/23 12:32	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.09		X320170	AS	05/23/23 12:32	
SM 2340 B	Hardness (as CaCO ₃)	< 2.31	mg/L	2.31	0.271		N/A		05/29/23 09:07	

Metals (Dissolved)

EPA 200.7	Aluminum	0.086	mg/L	0.080	0.054		X320095	AS	05/29/23 09:07	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X320095	AS	05/29/23 09:07	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X320095	AS	05/29/23 09:07	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X320095	AS	05/29/23 09:07	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X320095	AS	05/29/23 09:07	
EPA 200.7	Calcium	0.370	mg/L	0.100	0.069		X320095	AS	05/29/23 09:07	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X320095	AS	05/29/23 09:07	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X320095	AS	05/29/23 09:07	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X320095	AS	05/29/23 09:07	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X320095	AS	05/29/23 09:07	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X320095	AS	05/29/23 09:07	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X320095	AS	05/29/23 09:07	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X320095	AS	05/29/23 09:07	
EPA 200.7	Manganese	0.0150	mg/L	0.0080	0.0034		X320095	AS	05/29/23 09:07	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X320095	AS	05/29/23 09:07	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X320095	AS	05/29/23 09:07	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X320095	AS	05/29/23 09:07	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X320095	AS	05/29/23 09:07	
EPA 200.7	Sodium	8.61	mg/L	0.50	0.12		X320095	AS	05/29/23 09:07	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X320095	AS	05/29/23 09:07	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X320095	AS	05/29/23 09:07	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X321082	SMU	05/26/23 14:11	M1
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X321082	SMU	05/26/23 14:11	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X321082	DWJ	05/30/23 11:54	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X321082	SMU	05/26/23 14:11	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X321082	SMU	05/26/23 14:11	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X320244	HJL	05/22/23 12:57	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X321003	HJL	05/24/23 09:38	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X321226	HJL	05/30/23 16:34	H1
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X320154	JRR	05/19/23 09:44	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X321006	HJL	05/23/23 12:19	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO ₃	10.0			X320249	MWD	05/22/23 10:50	
SM 2320 B	Total Alkalinity	2.1	mg/L as CaCO ₃	1.0			X320174	MWD	05/18/23 14:48	
SM 2320 B	Bicarbonate	2.1	mg/L as CaCO ₃	1.0			X320174	MWD	05/18/23 14:48	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X320174	MWD	05/18/23 14:48	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO ₃	1.0			X320174	MWD	05/18/23 14:48	
SM 2540 C	Total Diss. Solids	19	mg/L	10			X320179	TJL	05/19/23 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X320180	TJL	05/19/23 17:20	
SM 4500 H B	pH @22.3°C	6.7	pH Units				X320174	MWD	05/18/23 14:48	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 12 of 23



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www.svl.net**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3E0267**

Reported: 02-Jun-23 10:24

Client Sample ID: **RB-0515**SVL Sample ID: **X3E0267-06 (Ground Water)**

Sampled: 15-May-23 09:20

Received: 16-May-23

Sampled By: PB

Sample Report Page 2 of 2

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 0.20	mg/L	0.20	0.02		X320073	RS	05/16/23 19:07	
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X320073	RS	05/16/23 19:07	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X320073	RS	05/16/23 19:07	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X320073	RS	05/16/23 19:07	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X320073	RS	05/16/23 19:07	
EPA 300.0	Sulfate as SO4	0.36	mg/L	0.30	0.18		X320073	RS	05/16/23 19:07	

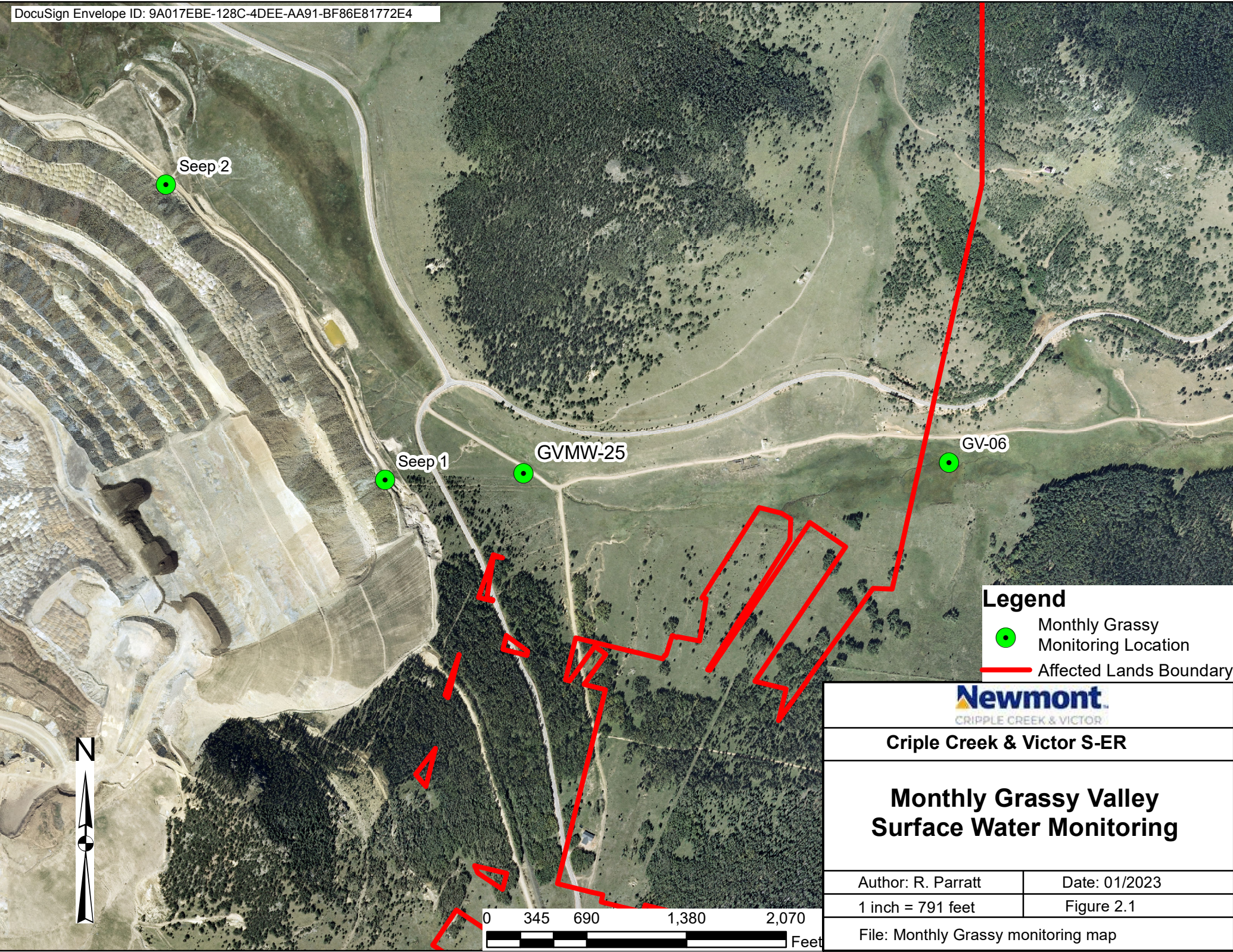
This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Katie Yoder

Surface Water Photos



Map



Legend

-  Monthly Grassy Monitoring Location
-  Affected Lands Boundary



Cripple Creek & Victor S-ER

**Monthly Grassy Valley
Surface Water Monitoring**

Author: R. Parratt	Date: 01/2023
1 inch = 791 feet	Figure 2.1
File: Monthly Grassy monitoring map	