



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

February 15, 2022

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 January 2023 Report Submission, February 15, 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 January, 2023.

Should you require further information please do not hesitate to contact Ronald Parratt at 719.851.4019 or ronald.parratt@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
A. Eschberger
K. Blake
R. Parratt
A. Matarrese
N. Townly

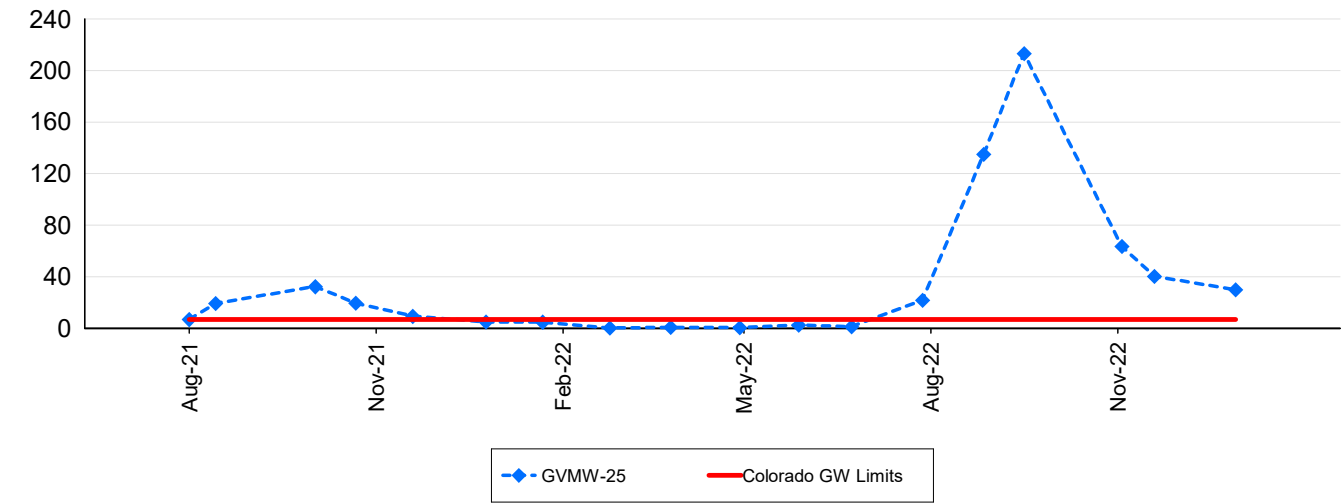


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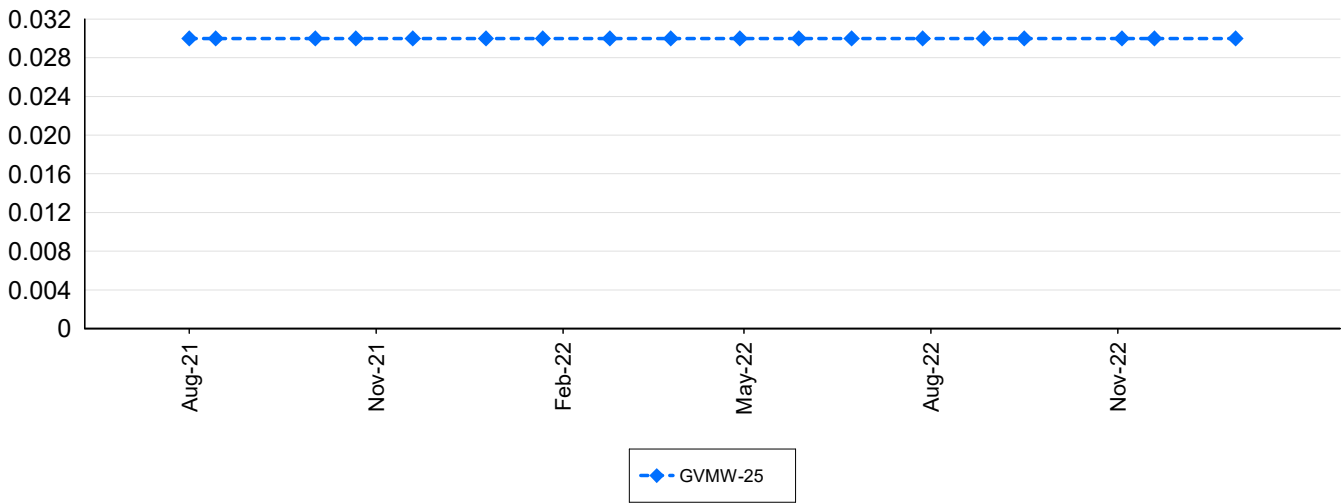
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newmont.com

Attachment A

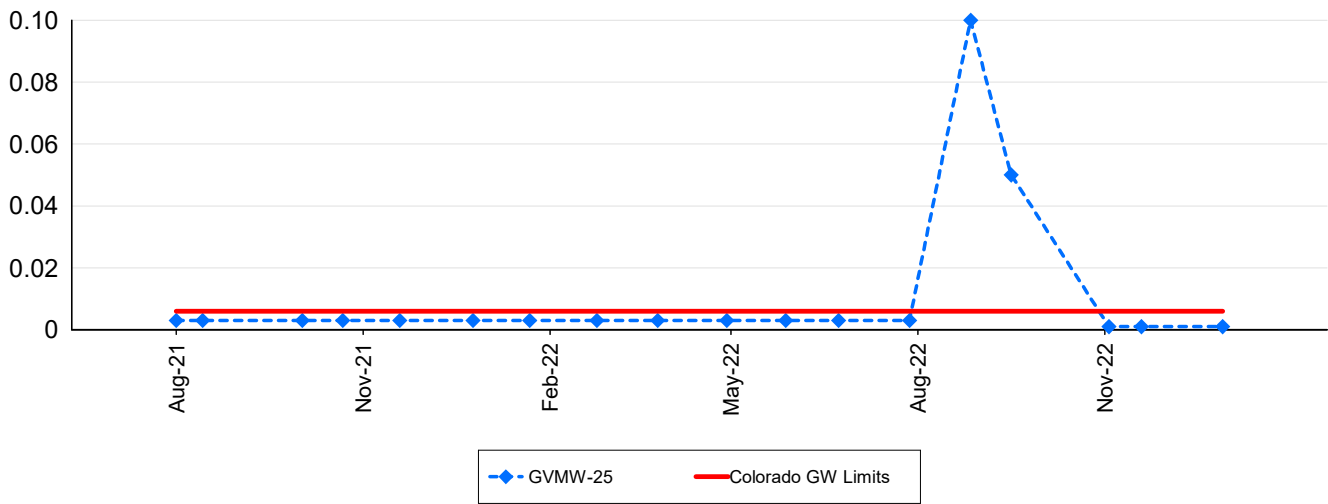
: Aluminium - Dissolved (mg/L)



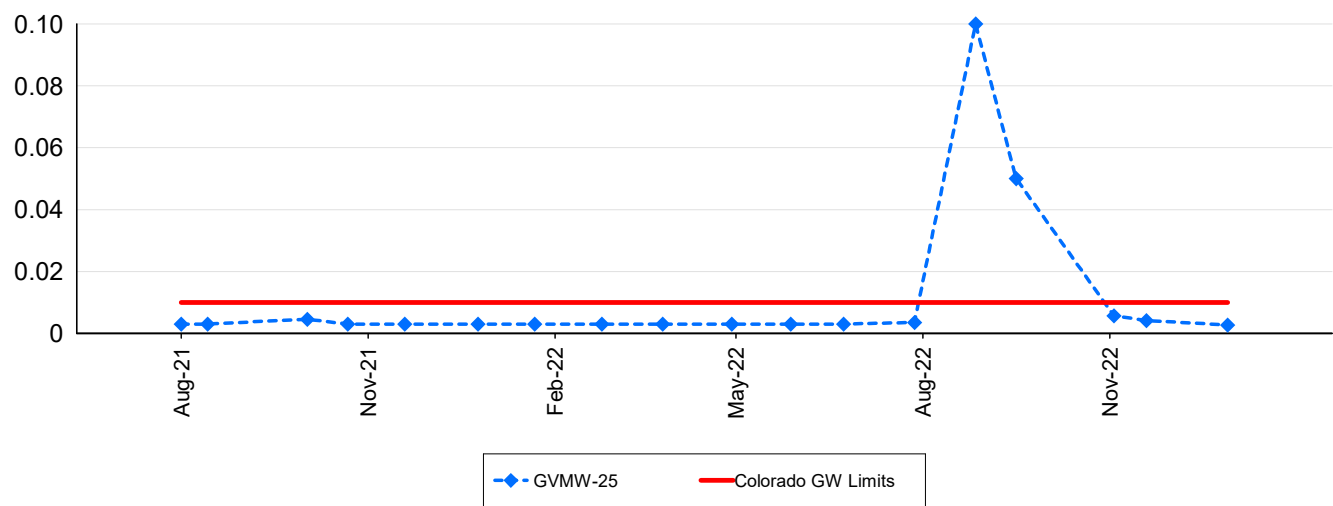
: Ammonia (mg/L)



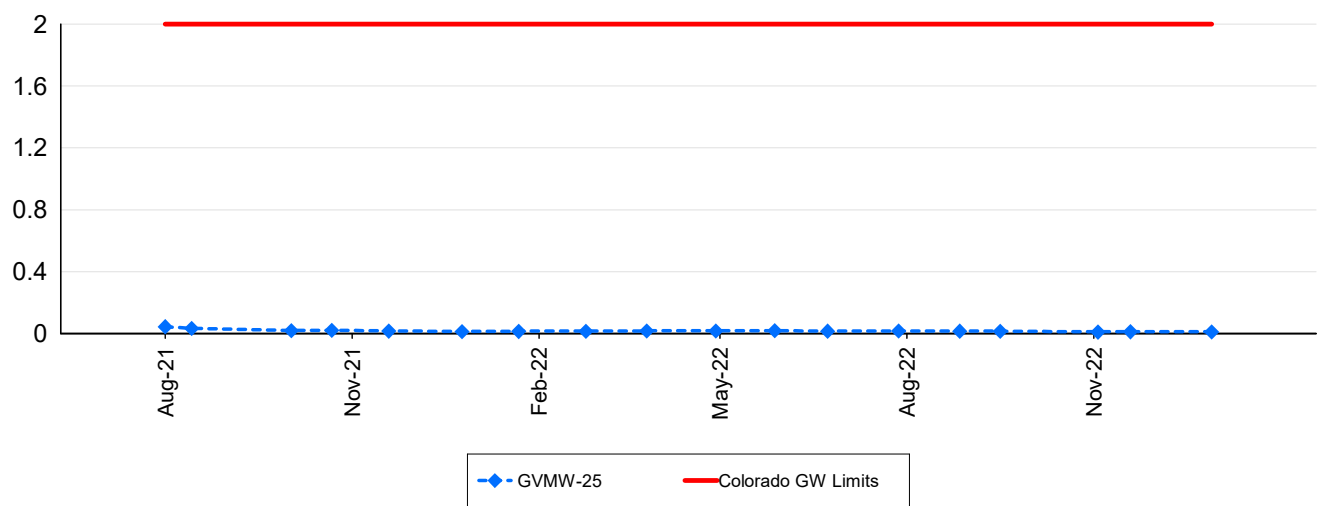
: Antimony - Dissolved (mg/L)



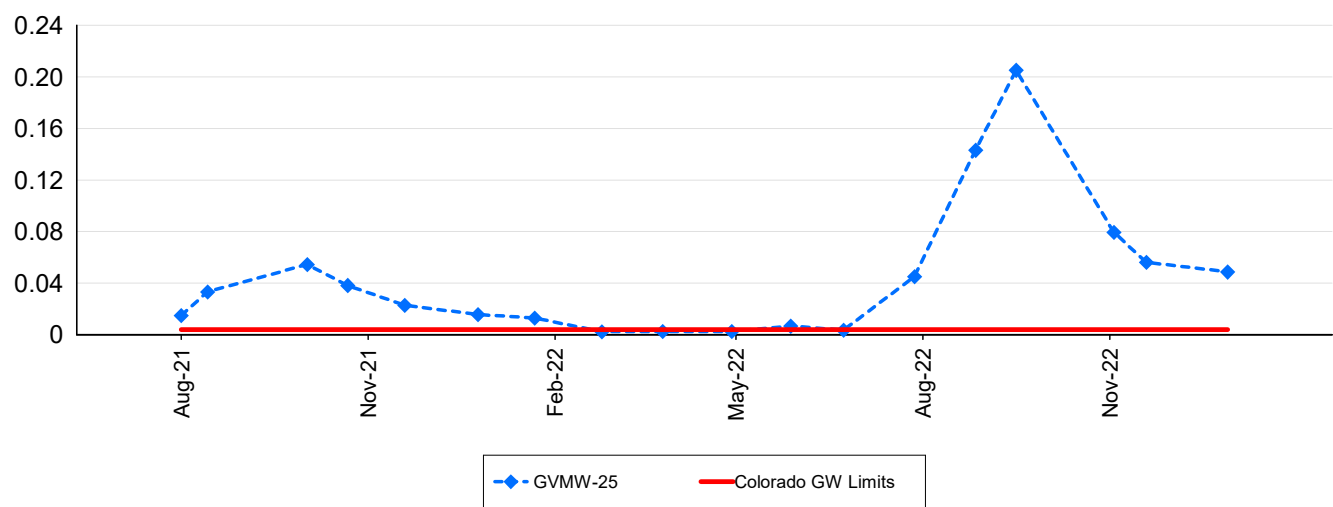
: Arsenic - Dissolved (mg/L)



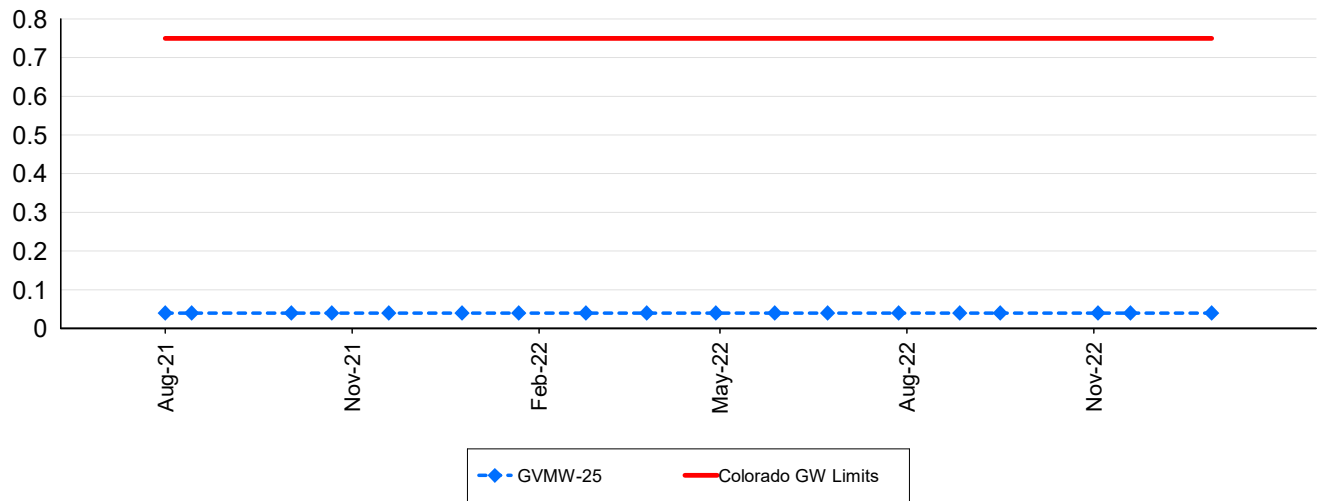
: Barium - Dissolved (mg/L)



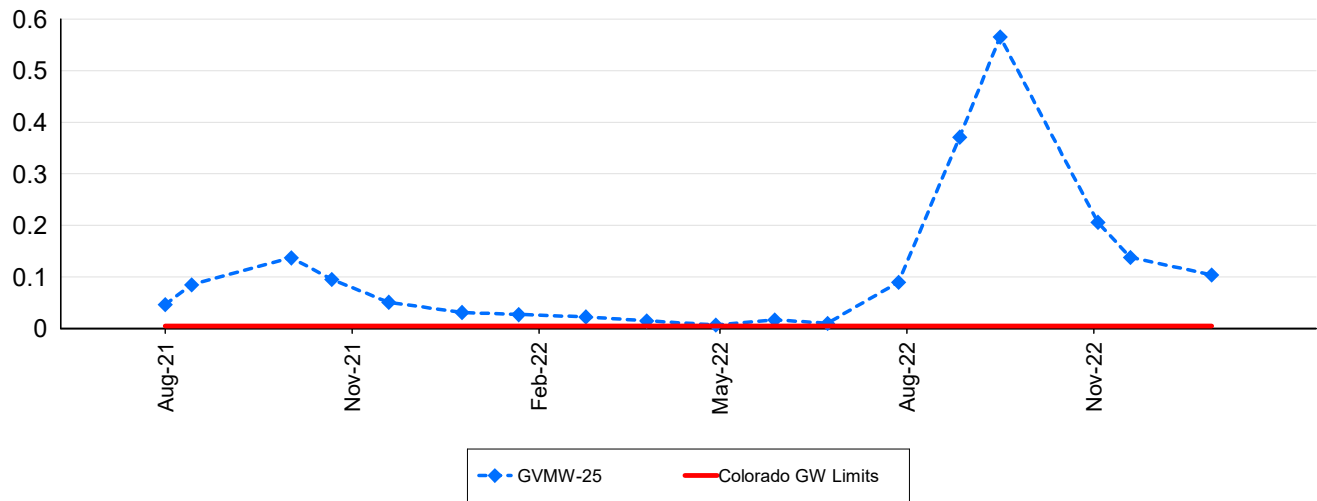
: Beryllium - Dissolved (mg/L)



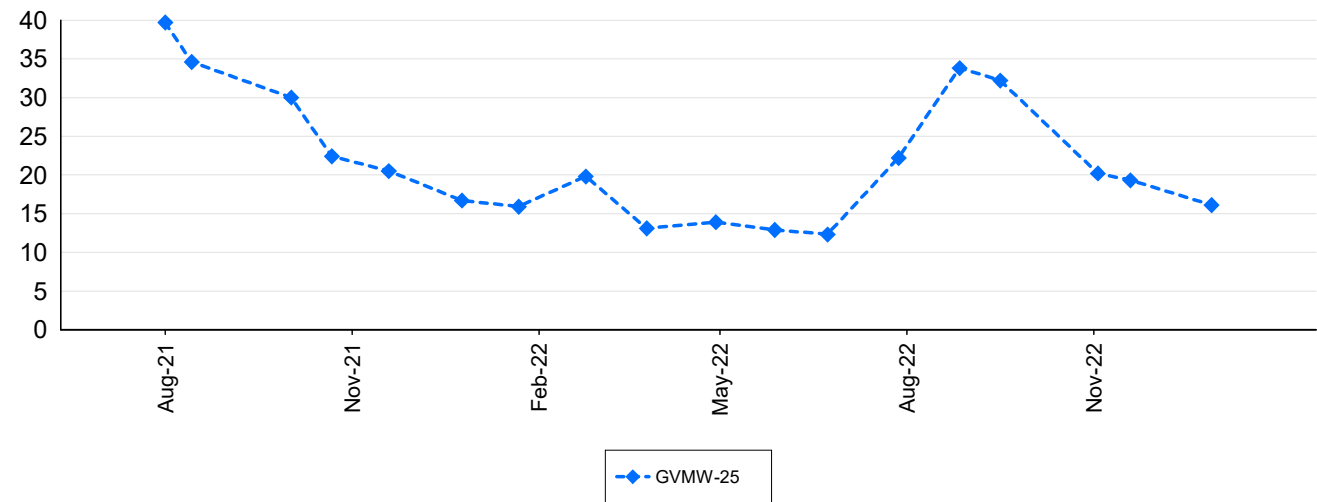
: Boron - Dissolved (mg/L)



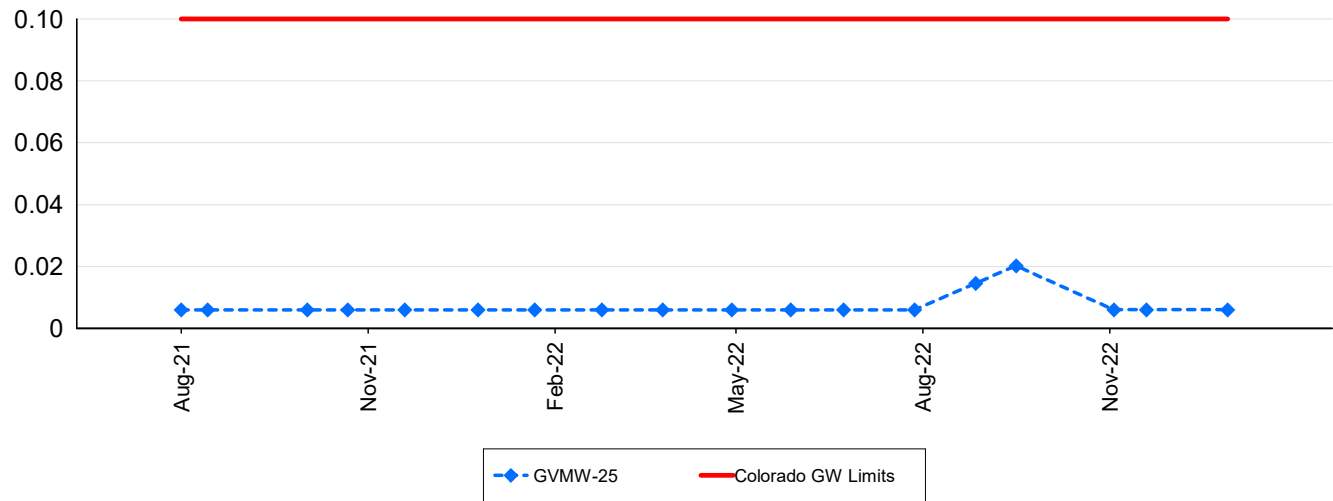
: Cadmium - Dissolved (mg/L)



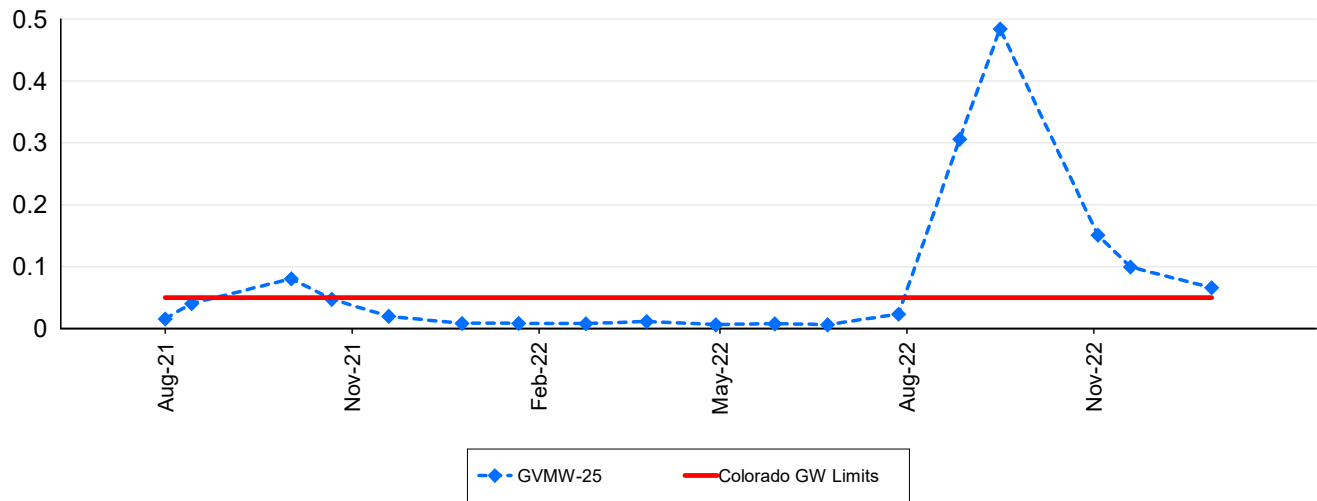
: Chloride - Total (mg/L)



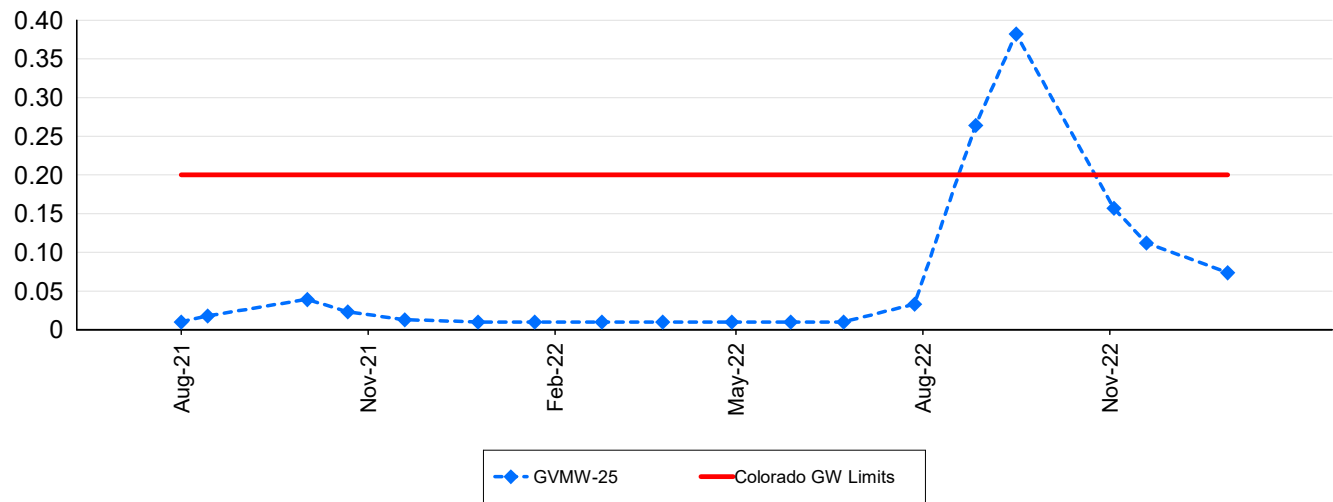
: Chromium - Dissolved (mg/L)



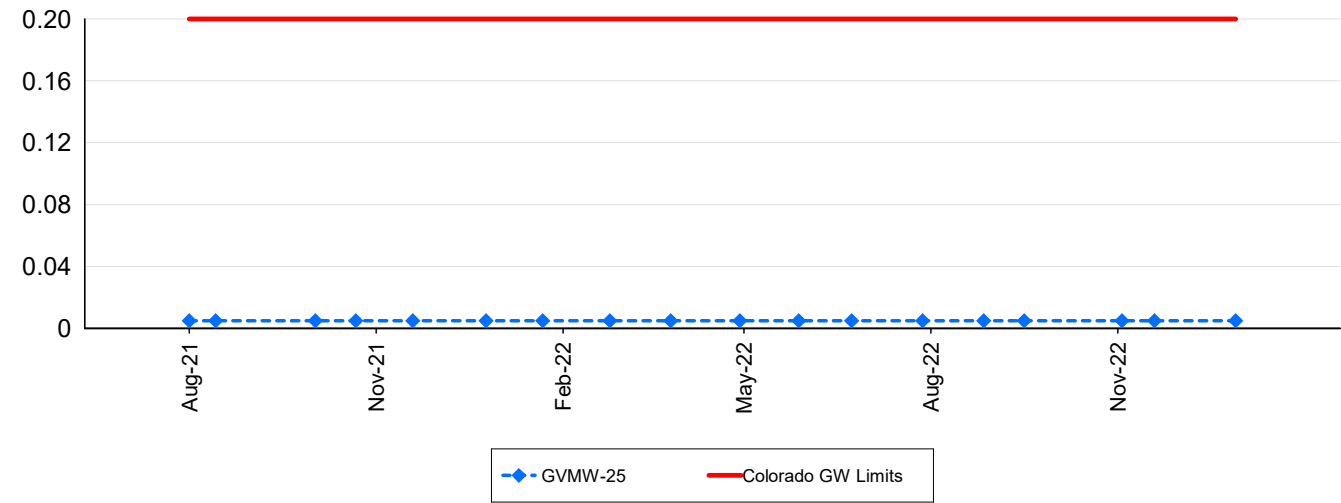
: Cobalt - Dissolved (mg/L)



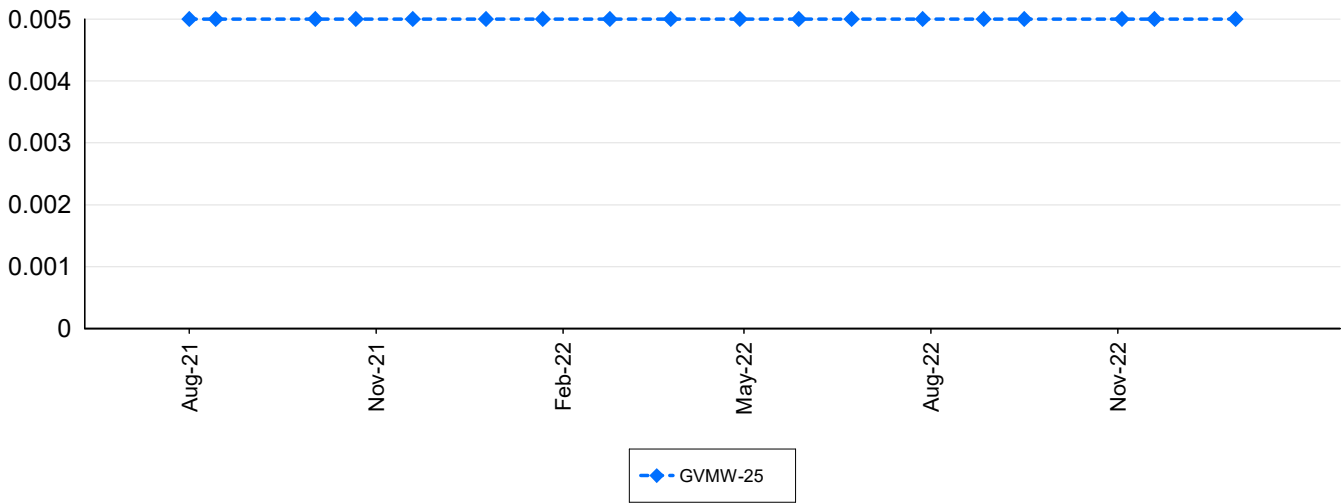
: Copper - Dissolved (mg/L)



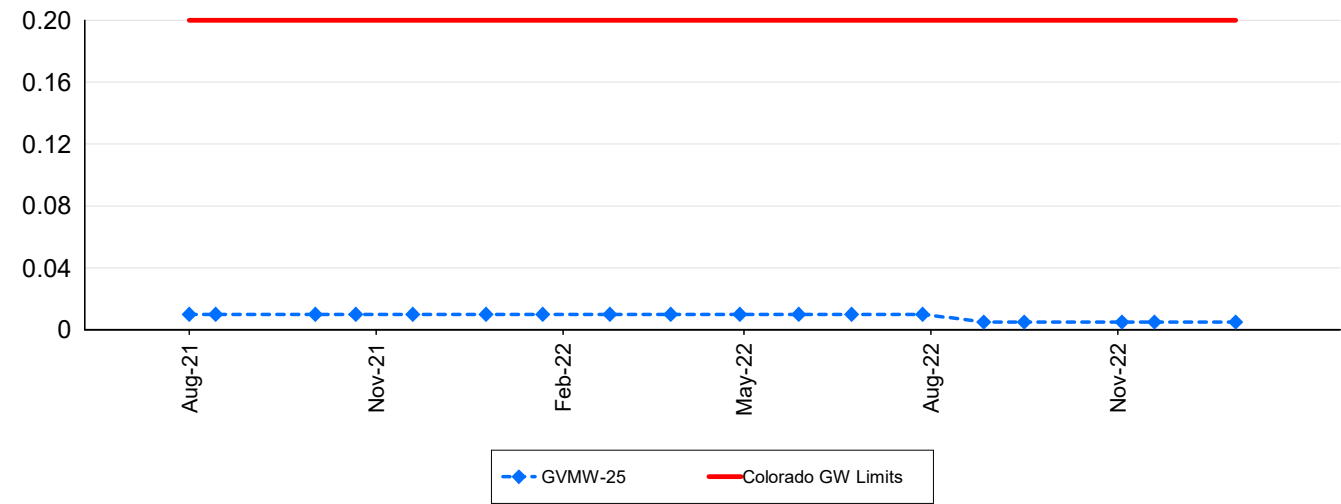
: Cyanide - Free (mg/L)



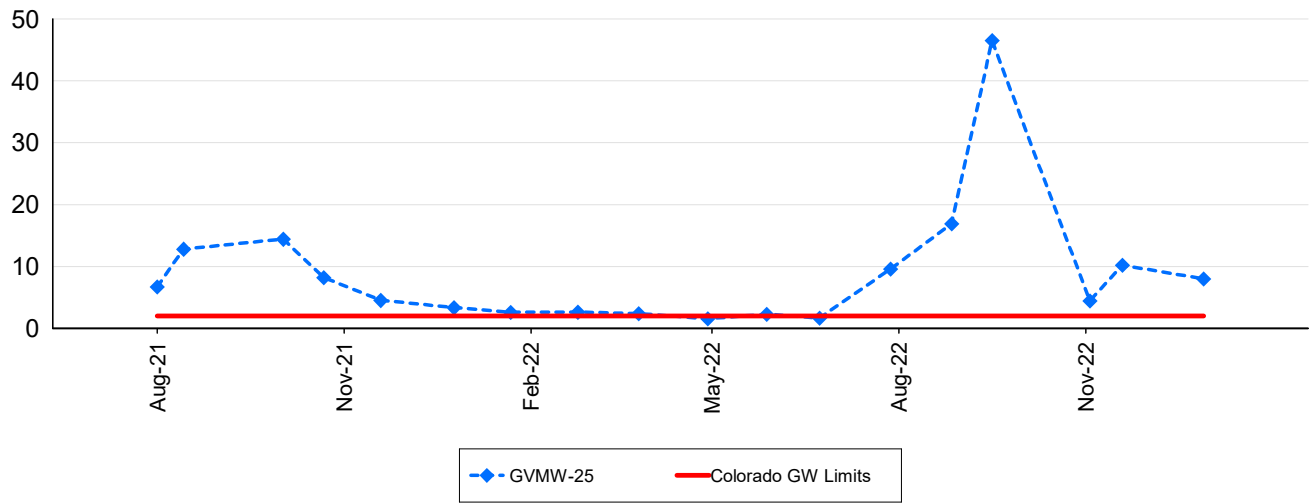
: Cyanide - Total (mg/L)



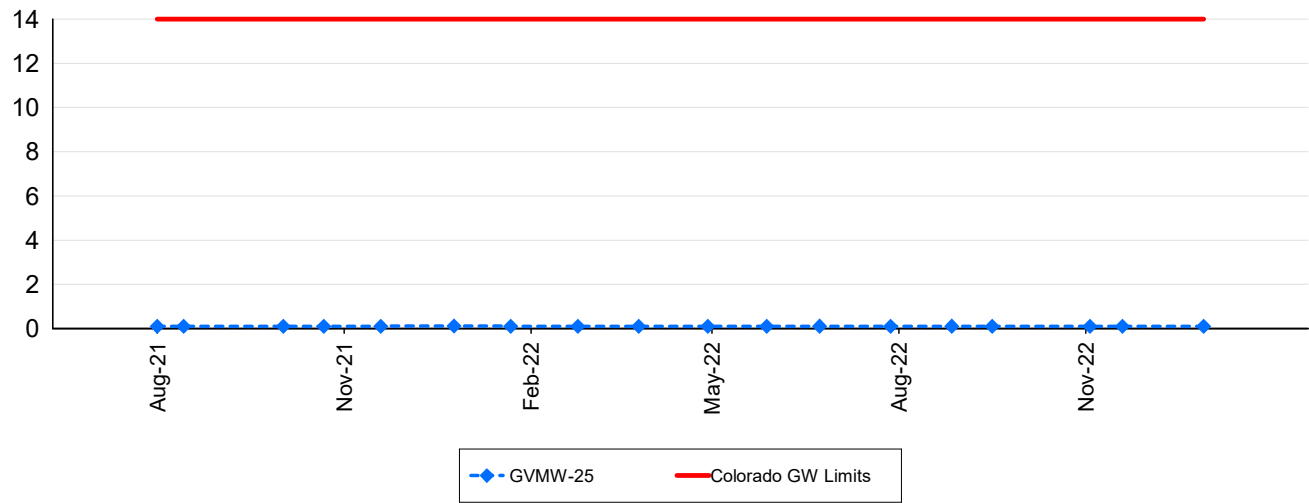
: Cyanide - WAD (mg/L)



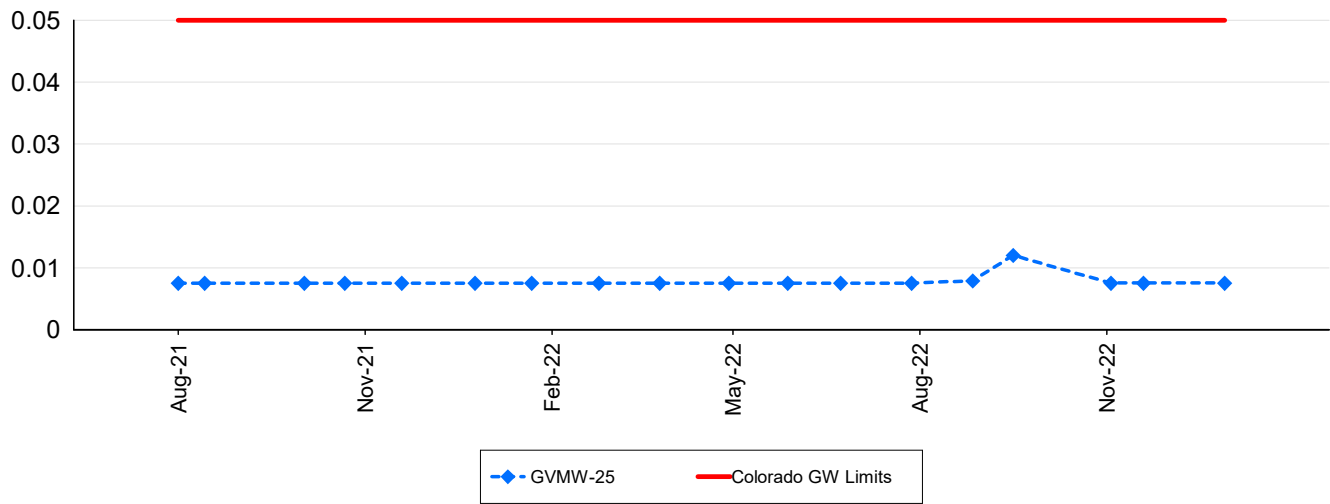
: Fluoride - Total F (mg/L)



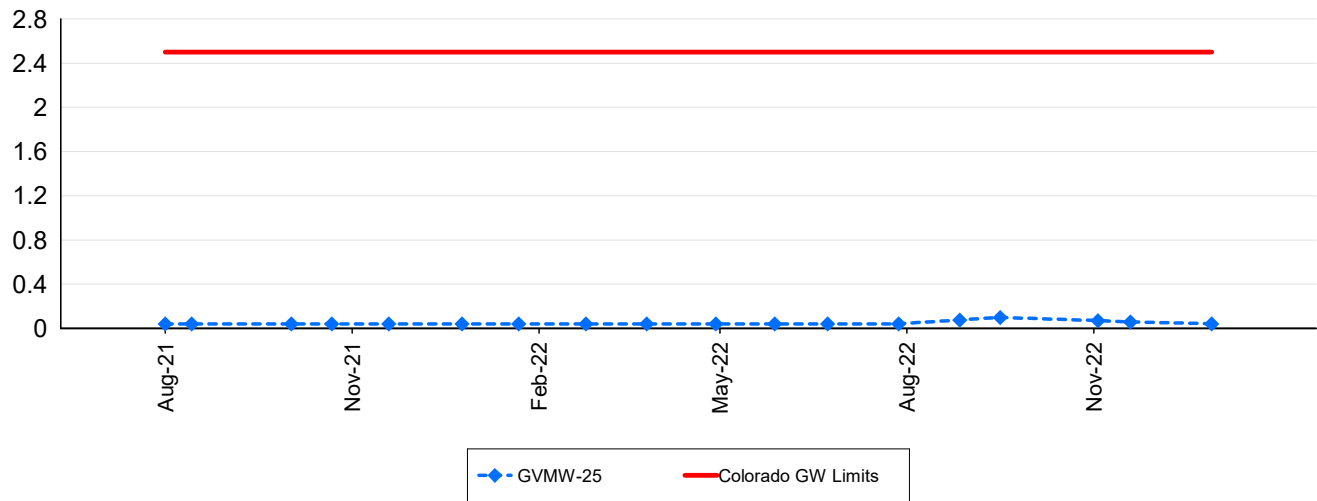
: Iron - Dissolved (mg/L)



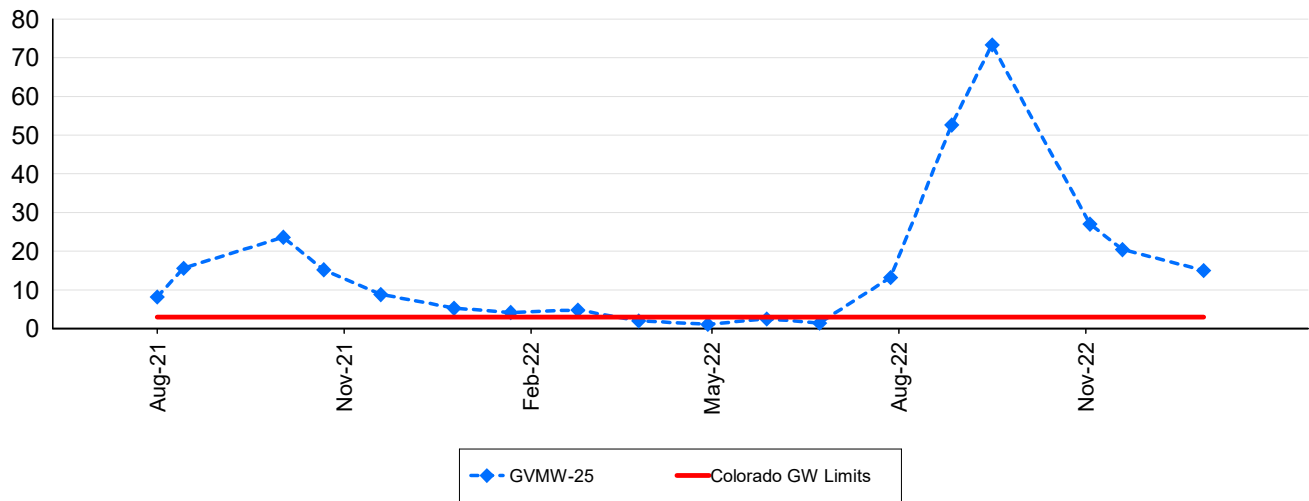
: Lead - Dissolved (mg/L)



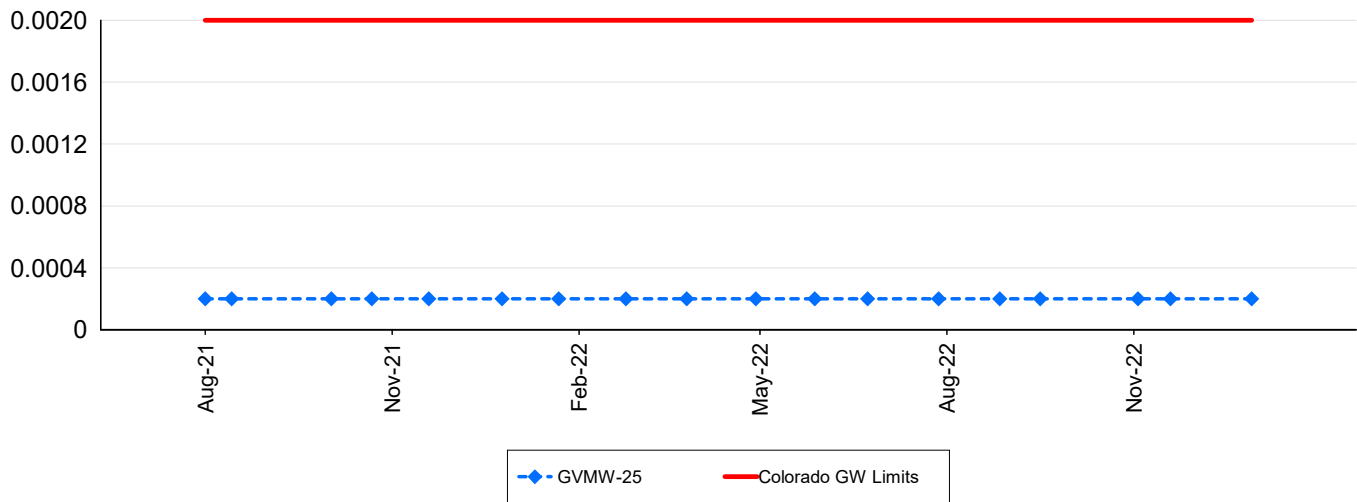
: Lithium - Dissolved (mg/L)



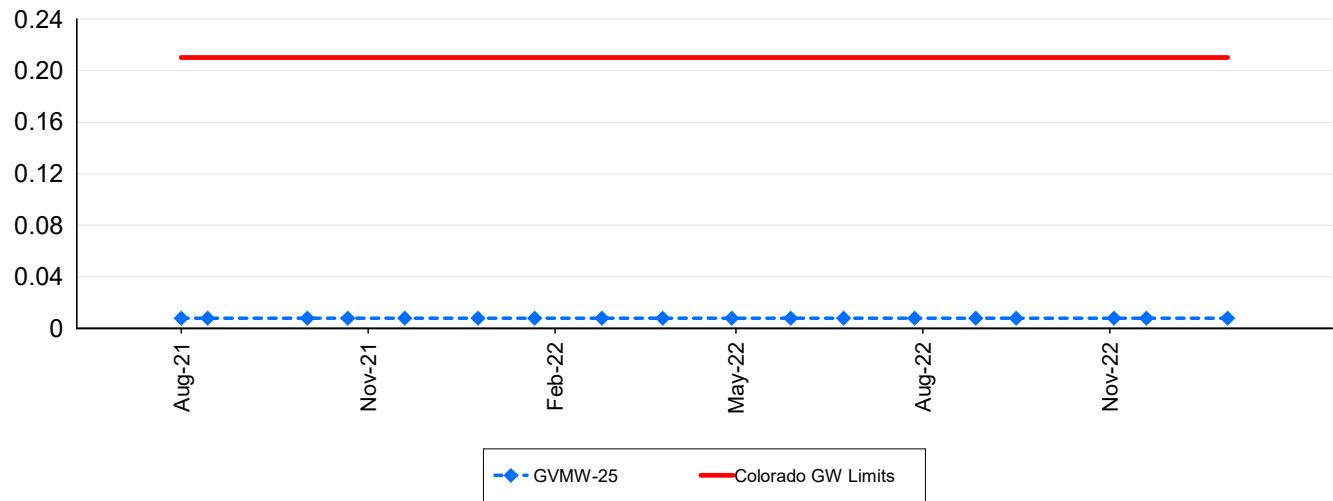
: Manganese - Dissolved (mg/L)



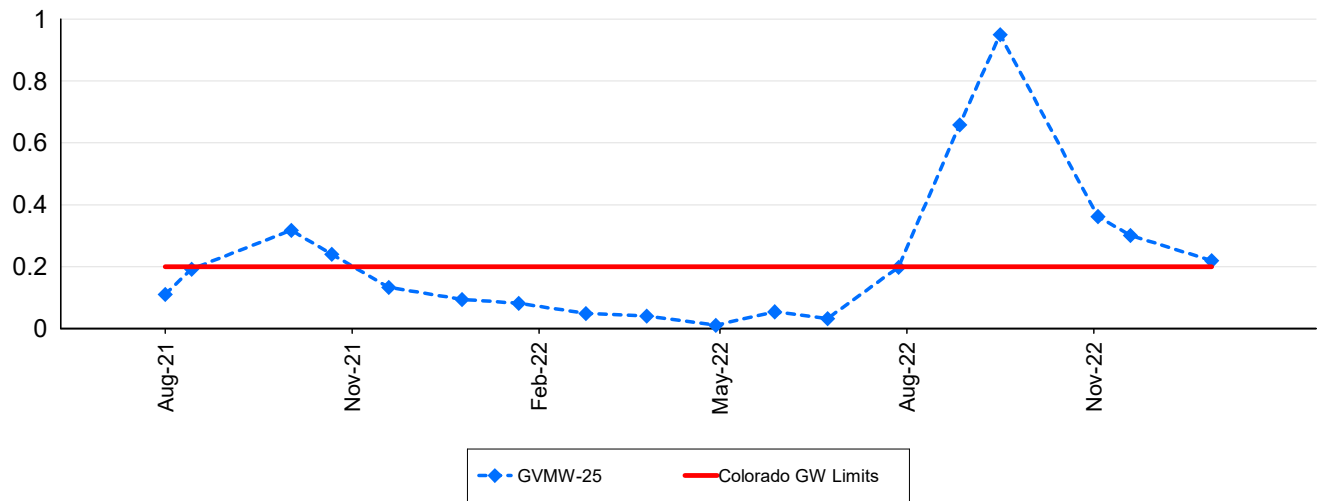
: Mercury - Dissolved (mg/L)



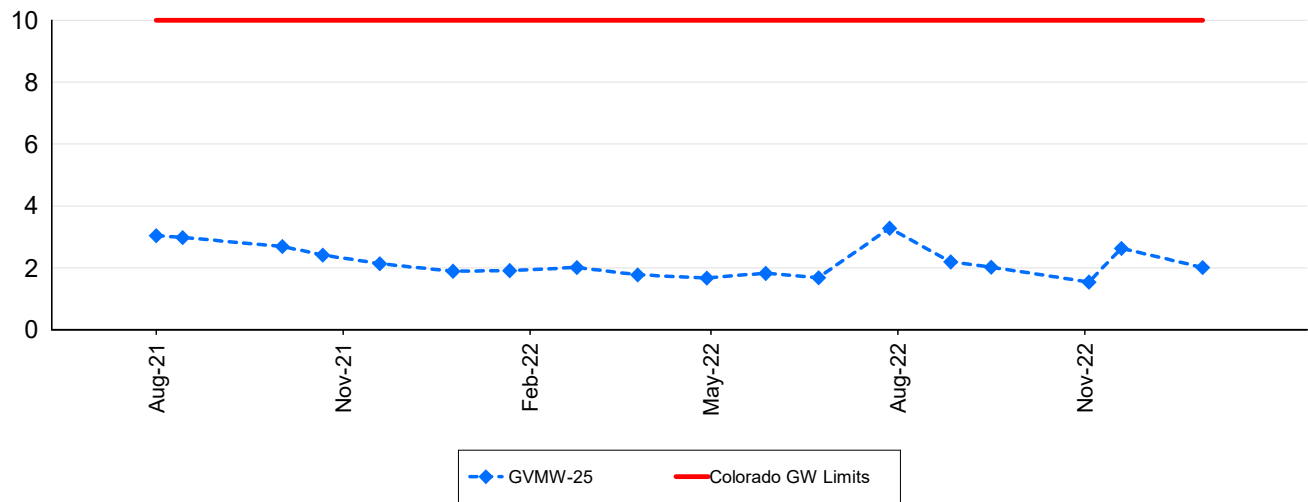
: Molybdenum - Dissolved (mg/L)

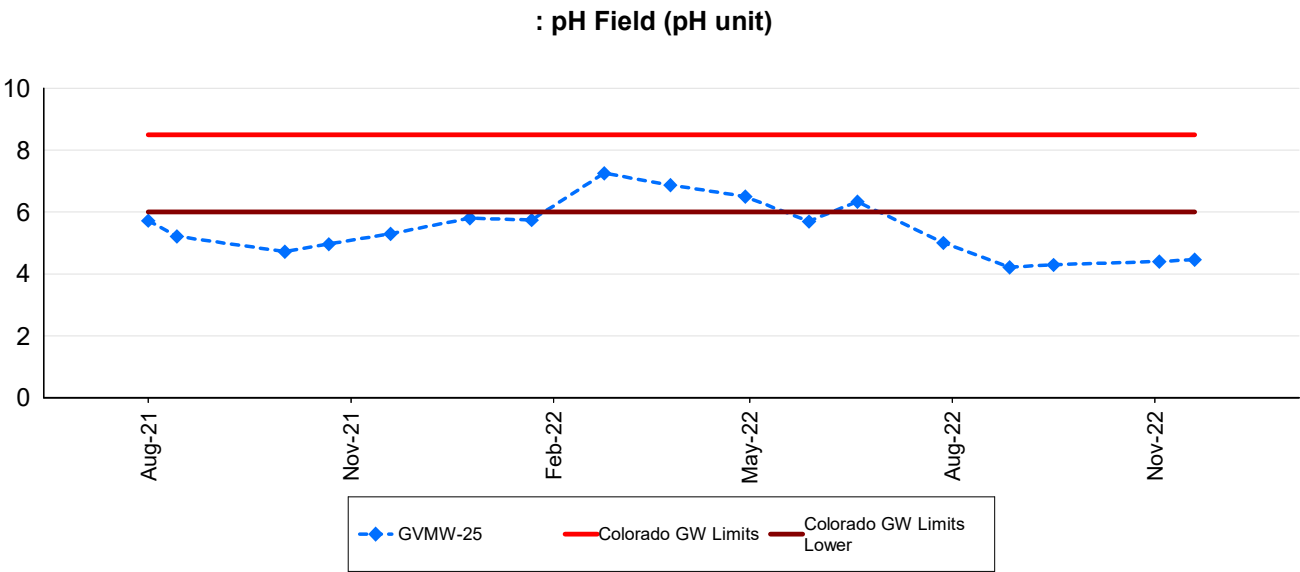
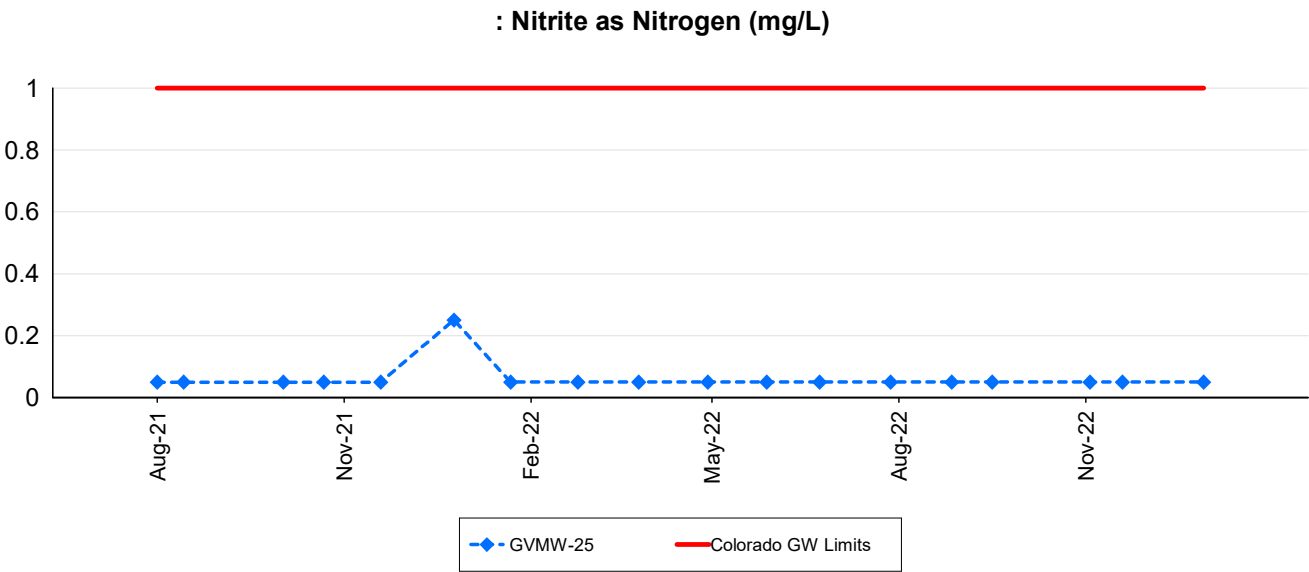
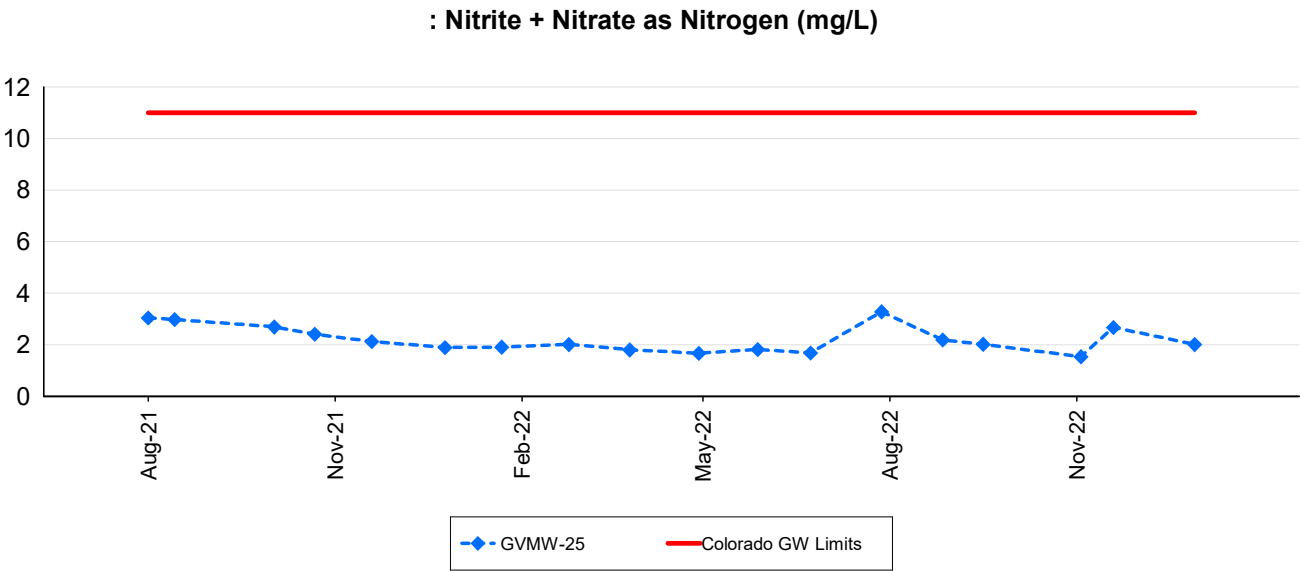


: Nickel - Dissolved (mg/L)

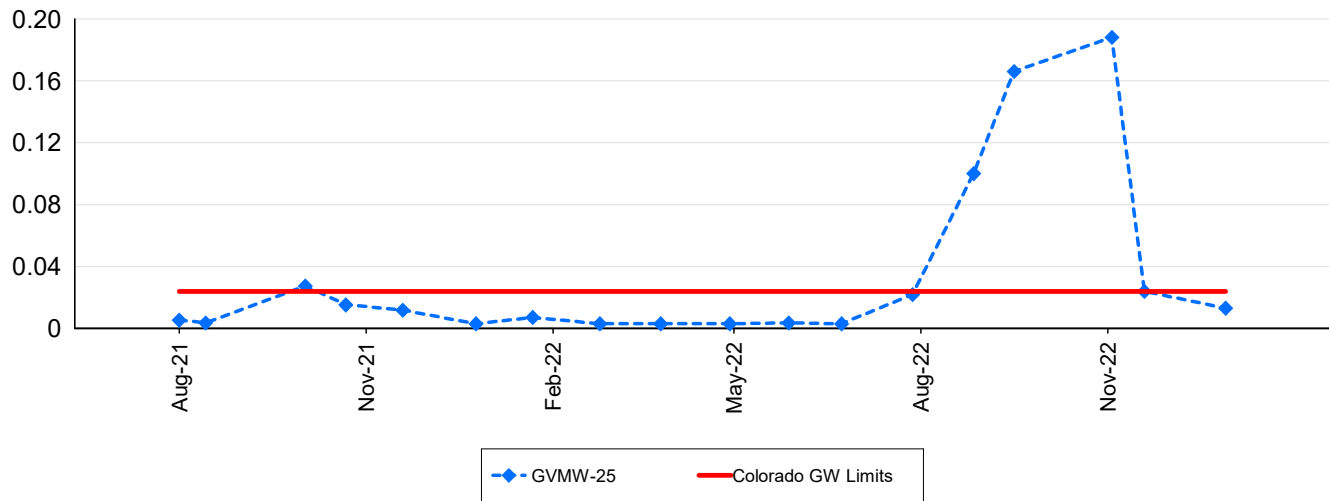


: Nitrate as Nitrogen (mg/L)

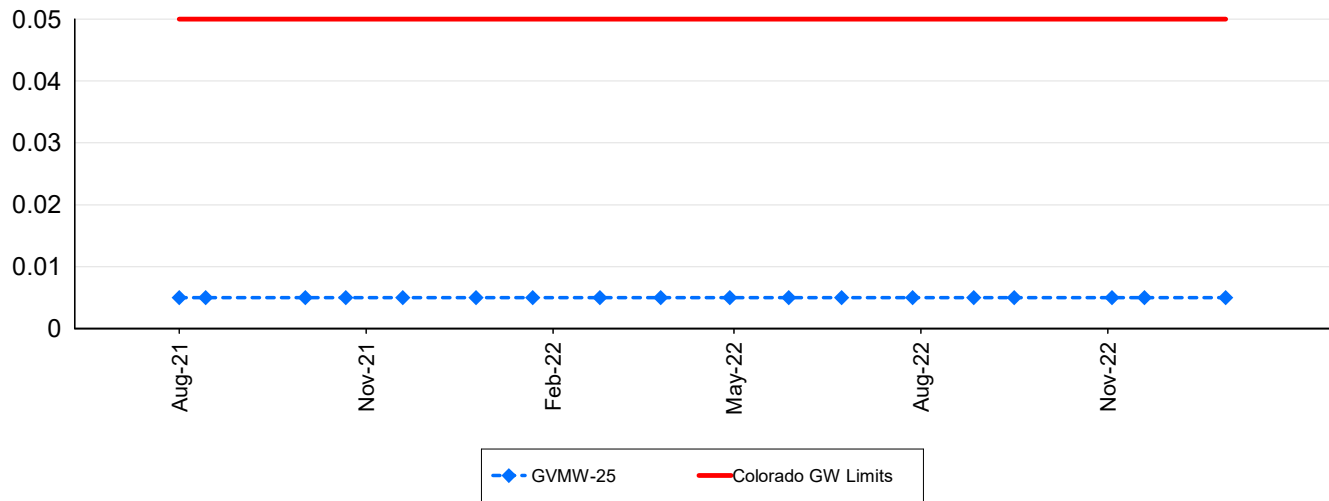




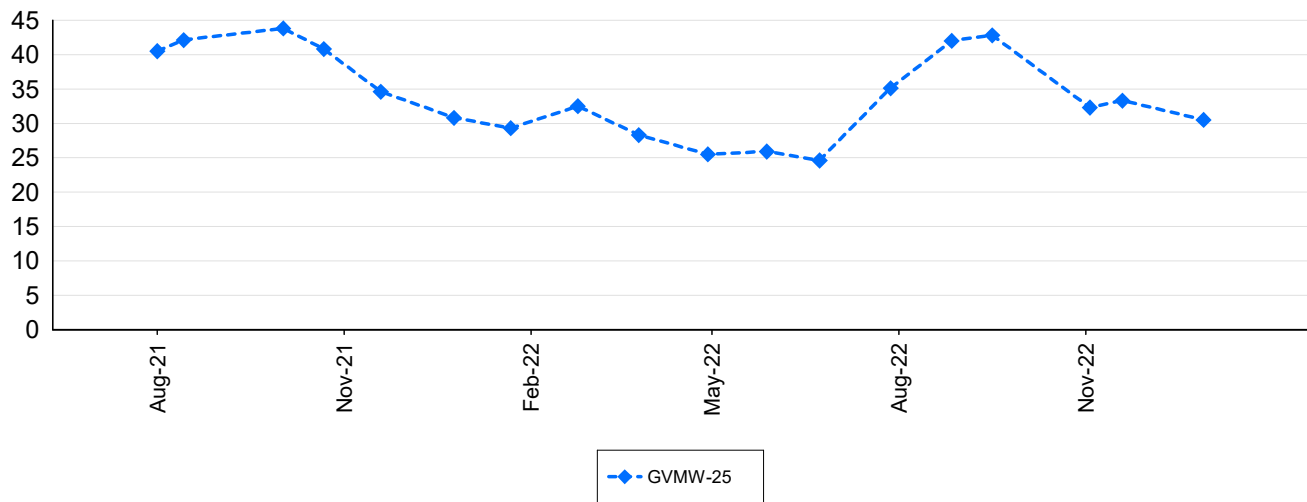
: Selenium - Dissolved (mg/L)



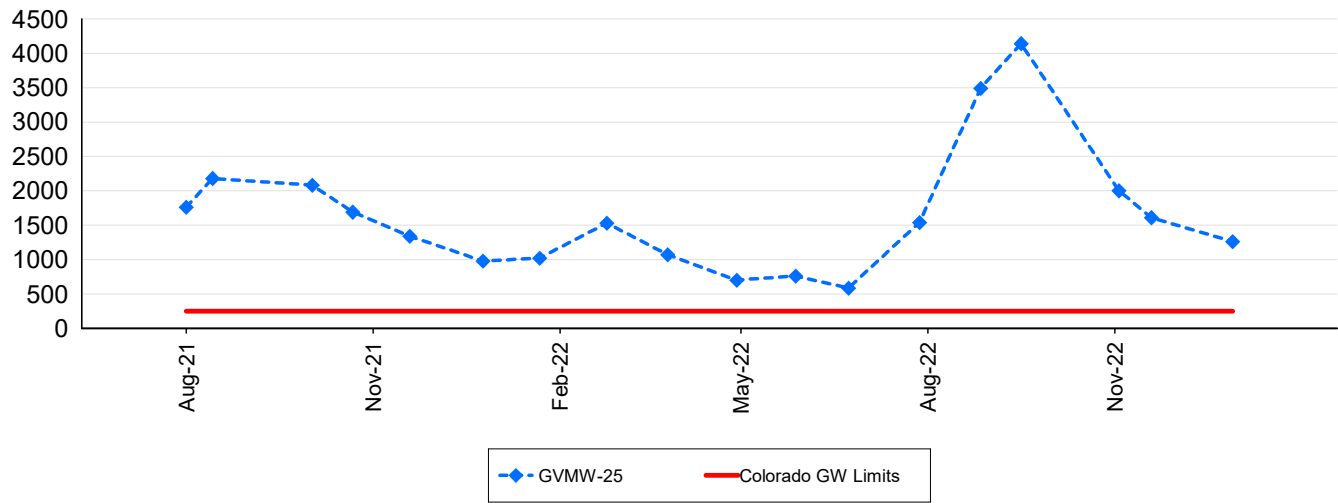
: Silver - Dissolved (mg/L)



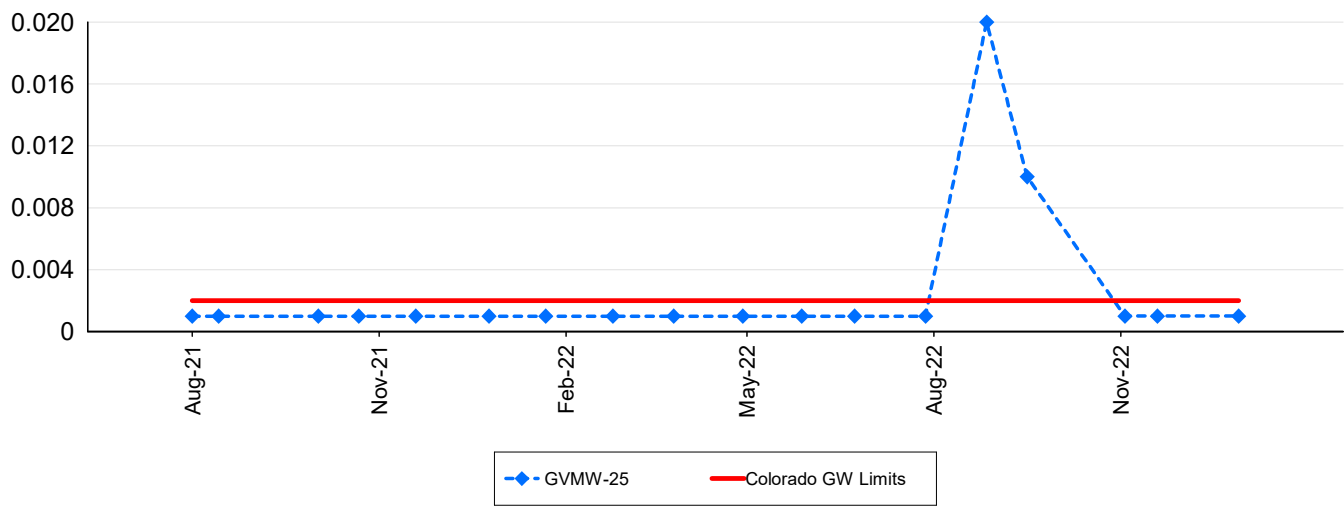
: Sodium - Dissolved (mg/L)



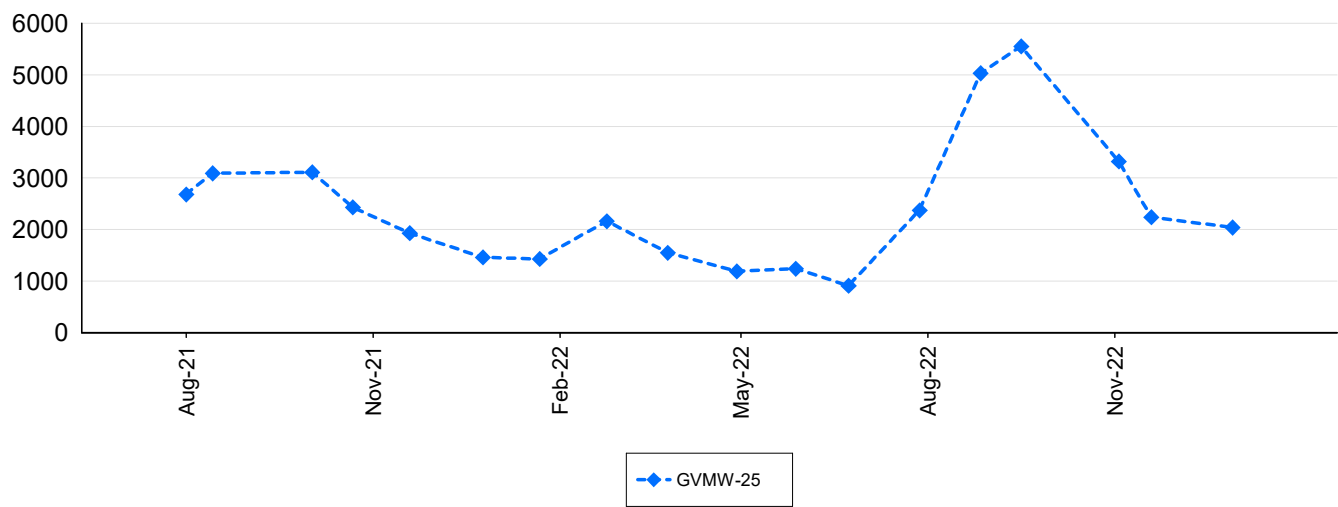
: Sulfate - Total (mg/L)



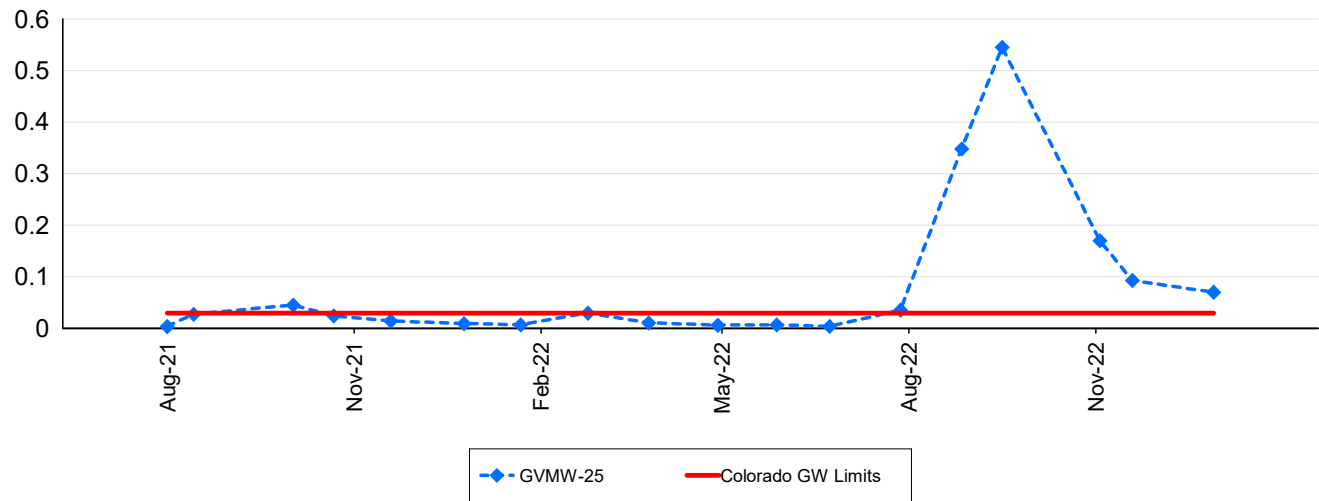
: Thallium - Dissolved (mg/L)



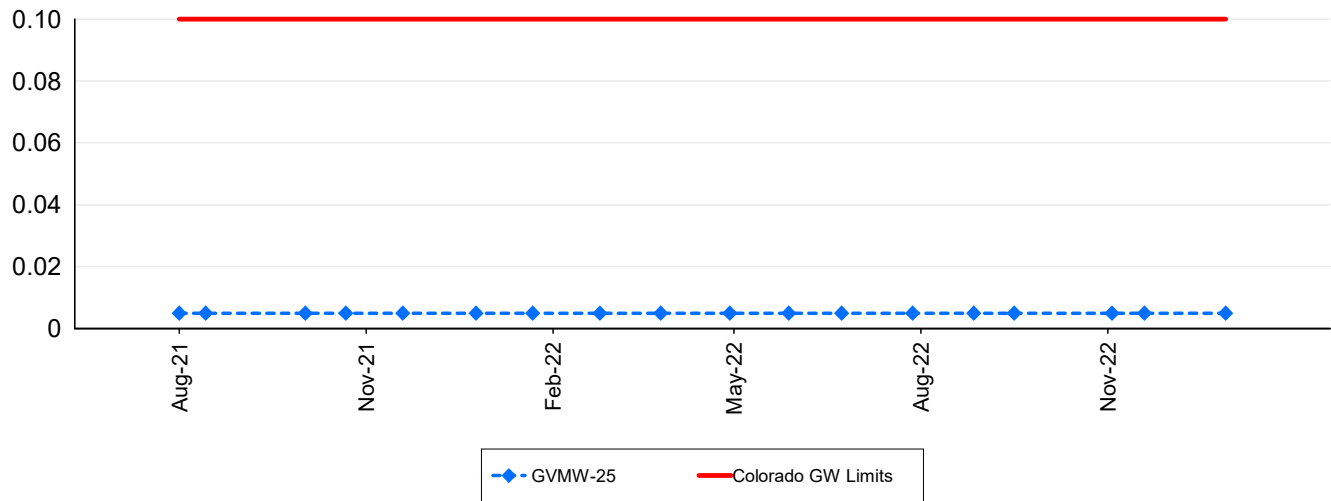
: Total Dissolved Solids (mg/L)



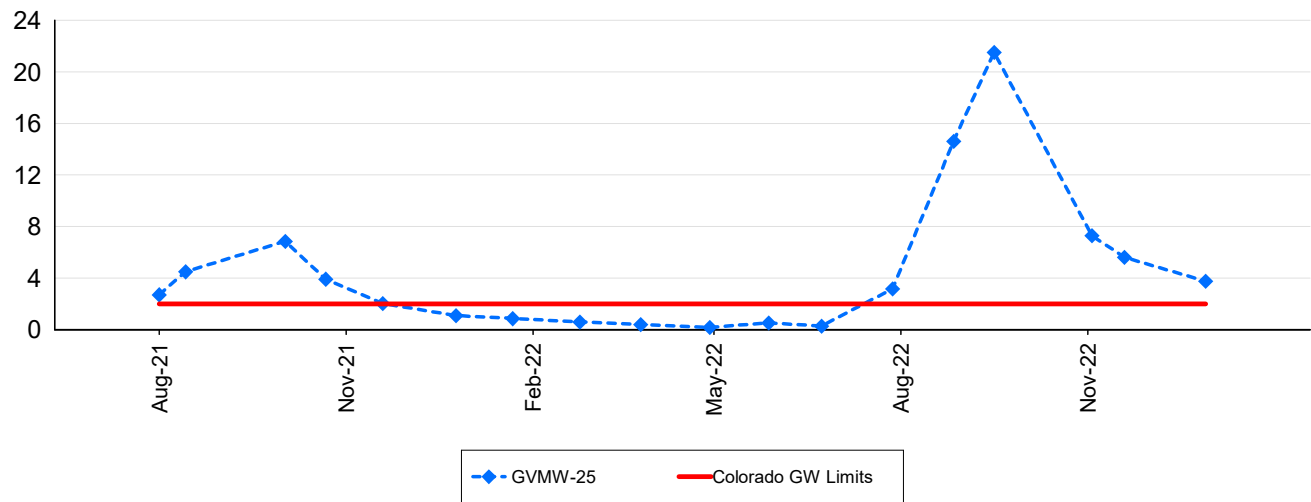
: Uranium - Dissolved (mg/L)



: Vanadium - Dissolved (mg/L)



: Zinc - Dissolved (mg/L)



Analytical Reports

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3A0197**

Reported: 27-Jan-23 13:41

Client Sample ID: **GVMW-25**

Sampled: 16-Jan-23 10:10

Received: 17-Jan-23

Sampled By: BOD

SVL Sample ID: **X3A0197-02 (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	281	mg/L	0.100	0.035		X303194	AS	01/24/23 11:21	
EPA 200.7	Magnesium	87.2	mg/L	0.500	0.045		X303194	AS	01/24/23 11:21	
EPA 200.7	Potassium	3.98	mg/L	0.50	0.09		X303194	AS	01/24/23 11:21	
SM 2340 B	Hardness (as CaCO3)	1060	mg/L	2.31	0.271		N/A		01/20/23 10:40	
Metals (Dissolved)										
EPA 200.7	Aluminum	29.9	mg/L	0.080	0.054		X303081	JRR	01/20/23 10:40	M3
EPA 200.7	Barium	0.0102	mg/L	0.0020	0.0019		X303081	JRR	01/20/23 10:40	
EPA 200.7	Beryllium	0.0486	mg/L	0.00200	0.00080		X303081	JRR	01/20/23 10:40	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X303081	JRR	01/20/23 10:40	
EPA 200.7	Cadmium	0.104	mg/L	0.0020	0.0016		X303081	JRR	01/20/23 10:40	
EPA 200.7	Calcium	278	mg/L	0.100	0.069		X303081	JRR	01/20/23 10:40	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X303081	JRR	01/20/23 10:40	
EPA 200.7	Cobalt	0.0659	mg/L	0.0060	0.0046		X303081	JRR	01/20/23 10:40	
EPA 200.7	Copper	0.0736	mg/L	0.0100	0.0027		X303081	JRR	01/20/23 10:40	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X303081	JRR	01/20/23 10:40	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X303081	JRR	01/20/23 10:40	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X303081	JRR	01/20/23 10:40	
EPA 200.7	Magnesium	83.7	mg/L	0.500	0.090		X303081	JRR	01/20/23 10:40	
EPA 200.7	Manganese	15.0	mg/L	0.0080	0.0034		X303081	JRR	01/20/23 10:40	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X303081	JRR	01/20/23 10:40	
EPA 200.7	Nickel	0.219	mg/L	0.0100	0.0048		X303081	JRR	01/20/23 10:40	
EPA 200.7	Potassium	4.10	mg/L	0.50	0.18		X303081	JRR	01/20/23 10:40	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X303081	JRR	01/20/23 10:40	
EPA 200.7	Sodium	30.5	mg/L	0.50	0.12		X303081	JRR	01/20/23 10:40	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X303081	JRR	01/20/23 10:40	
EPA 200.7	Zinc	3.76	mg/L	0.0100	0.0054		X303081	JRR	01/20/23 10:40	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X303096	AS	01/20/23 11:43	
EPA 200.8	Arsenic	0.00267	mg/L	0.00100	0.00021		X303096	AS	01/20/23 11:43	
EPA 200.8	Selenium	0.0131	mg/L	0.00100	0.00024		X303096	AS	01/20/23 11:43	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X303096	AS	01/20/23 11:43	
EPA 200.8	Uranium	0.0702	mg/L	0.000100	0.000052		X303096	AS	01/20/23 11:43	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X304022	JRR	01/24/23 11:36	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @18.0°C	< 0.0050	mg/L	0.0050	0.0048		X303012	HJL	01/23/23 10:20	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X303113	KAG	01/25/23 15:16	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X303051	KAG	01/18/23 16:38	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X303013	HJL	01/23/23 11:47	
SM 2310 B	Acidity to pH 8.3	196	mg/L as CaCO3	10.0			X303184	MWD	01/23/23 12:53	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X303101	MWD	01/18/23 18:48	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X303101	MWD	01/18/23 18:48	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X303101	MWD	01/18/23 18:48	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X303101	MWD	01/18/23 18:48	
SM 2540 C	Total Diss. Solids	2040	mg/L	10			X303050	TJL	01/18/23 15:50	
SM 2540 D	Total Susp. Solids	5.0	mg/L	5.0			X303069	TJL	01/18/23 15:50	
SM 4500 H B	pH @21.4°C	4.6	pH Units				X303101	MWD	01/18/23 18:48	H5

SVL holds the following certifications:

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

Work order Report Page 4 of 15



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: **X3A0197**

Reported: 27-Jan-23 13:41

Client Sample ID: **GVMW-25**

Sampled: 16-Jan-23 10:10

SVL Sample ID: **X3A0197-02 (Ground Water)**

Received: 17-Jan-23

Sampled By: BOD

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	16.1	mg/L	10.0	1.10	50	X303045	RS	01/17/23 20:44	D2
EPA 300.0	Fluoride	7.97	mg/L	5.00	0.850	50	X303045	RS	01/17/23 20:44	D2
EPA 300.0	Nitrate as N	2.01	mg/L	0.050	0.013		X303045	RS	01/17/23 20:25	
EPA 300.0	Nitrate+Nitrite as N	2.01	mg/L	0.100	0.044		X303045	RS	01/17/23 20:25	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X303045	RS	01/17/23 20:25	
EPA 300.0	Sulfate as SO4	1260	mg/L	15.0	9.00	50	X303045	RS	01/17/23 20:44	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 26.2 meq/L

Anion Sum: 27.3 meq/L

C/A Balance: -2.03 %

Calculated TDS: 1692

TDS/cTDS: 1.21

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

Herman J. Haring

Project Manager

Field Sheets

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy ValleyDate: 1-16-2023Technician: DocringQuarter: 1stStatic Water Level (DTW): 55.85Well ID: GUM-25Is well Dry? NoIf so Dry at: feetWell Depth: 79'

	Time	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
65.7	9:25 AM	9.85	4.88	2700	5.8	
66.4	9:35 AM	10.55	5.07	2354	5.8	
66.5	9:45 AM	10.65	4.93	1911	5.8	
66.8	9:55 AM	10.95	4.91	1755	5.8	4 liters per min
66.9	10:00 AM	11.05	4.87	1791	5.8	
66.9	10:05 AM	11.05	4.81	1882	5.8	
66.9	10:10 AM	11.05	4.76	1870	5.8	4 L/min

Sample Method: Low Flow Rate (gpm): 1 Time Start: 9:25 AM ¹⁰¹¹⁰ Time End: 10:10

Final Parameters	Stabilization Guidance	Met?	Comments
pH	4.76	0.1	<u>Y/N</u>
Conductivity	1870	3%	<u>Y/N</u>
Temp@	5.8	10%	<u>Y/N</u>
Final H2O level	66.9	feet	

O/G visible: Y/NTurbid? Y/NEquipment Decontaminated: Y/NDecontamination procedure used: New filter and tubing used. Equipment
crushed with WynnexSignature: [Signature]Weather: clear / cold / windy 22°F

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: Eosa SeepDate: 1-16-2023Technician: DoeringQuarter: 1st

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
10:48 ^{AM}				No Flow

Sample
Method:No Sample

Oil/Gas visible

[Y/N]

Turbid

[Y/N]

Clear

[Y/N]New filter &
tubing[Y/N]

Weather:

Clear Cold 29°F Windy

Signature:



Comments:

Frozen/snow covered No Flow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: Ecosc Seep 2Date: 1-16-2023Technician: DoeringQuarter: 1st

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
10:53 am	/	/	/	Frozen

Sample
Method:No sample

Oil/Gas visible

[Y/N]

Turbid

[Y/N]

Clear

[Y/N]Weather: clear / cold / ~ 28° F

Signature:



Comments:

Frozen / snow covered. No flow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: GV-06Date: 1-16-2023Technician: DoeringQuarter: 1st

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
9:00 AM	_____	_____	_____	Frozen, Snow Covered

Sample
Method:No Sample

Oil/Gas visible

[Y/N]

Turbid

[Y/N]

Clear

[Y/N]New filter &
tubing[Y/N]

Weather:

Clear / cold / windy $\approx 24^{\circ}\text{F}$

Signature:

RB

Comments:

Ice Field. No Flow. Frozen Solid and snow covered

QA/QC

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3A0197**

Reported: 27-Jan-23 13:41

Client Sample ID: **RB20230116**

Sampled: 16-Jan-23 10:20

Received: 17-Jan-23

Sampled By: BOD

SVL Sample ID: **X3A0197-03 (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	0.377	mg/L	0.100	0.035		X303194	AS	01/24/23 11:25	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.045		X303194	AS	01/24/23 11:25	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.09		X303194	AS	01/24/23 11:25	
SM 2340 B	Hardness (as CaCO ₃)	< 2.31	mg/L	2.31	0.543		N/A		01/24/23 11:25	
Metals (Dissolved)										
EPA 200.7	Aluminum	0.625	mg/L	0.080	0.054		X303081	JRR	01/20/23 10:49	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X303081	JRR	01/20/23 10:49	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X303081	JRR	01/20/23 10:49	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X303081	JRR	01/20/23 10:49	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X303081	JRR	01/20/23 10:49	
EPA 200.7	Calcium	0.355	mg/L	0.100	0.069		X303081	JRR	01/20/23 10:49	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X303081	JRR	01/20/23 10:49	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X303081	JRR	01/20/23 10:49	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X303081	JRR	01/20/23 10:49	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X303081	JRR	01/20/23 10:49	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X303081	JRR	01/20/23 10:49	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X303081	JRR	01/20/23 10:49	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X303081	JRR	01/20/23 10:49	
EPA 200.7	Manganese	0.254	mg/L	0.0080	0.0034		X303081	JRR	01/20/23 10:49	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X303081	JRR	01/20/23 10:49	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X303081	JRR	01/20/23 10:49	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X303081	JRR	01/20/23 10:49	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X303081	JRR	01/20/23 10:49	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X303081	JRR	01/20/23 10:49	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X303081	JRR	01/20/23 10:49	
EPA 200.7	Zinc	0.0575	mg/L	0.0100	0.0054		X303081	JRR	01/20/23 10:49	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X303096	AS	01/20/23 11:48	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X303096	AS	01/20/23 11:48	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X303096	AS	01/20/23 11:48	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X303096	AS	01/20/23 11:48	
EPA 200.8	Uranium	0.00237	mg/L	0.000100	0.000052		X303096	AS	01/20/23 11:48	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X304022	JRR	01/24/23 11:38	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @18.0°C	< 0.0050	mg/L	0.0050	0.0048		X303012	HJL	01/23/23 10:22	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X303113	KAG	01/25/23 15:18	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X303051	KAG	01/18/23 16:40	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X303013	HJL	01/23/23 11:48	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO ₃	10.0			X303184	MWD	01/23/23 12:53	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO ₃	1.0			X303101	MWD	01/18/23 19:03	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO ₃	1.0			X303101	MWD	01/18/23 19:03	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X303101	MWD	01/18/23 19:03	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO ₃	1.0			X303101	MWD	01/18/23 19:03	
SM 2540 C	Total Diss. Solids	< 10	mg/L	10			X303050	TJL	01/18/23 15:50	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X303069	TJL	01/18/23 15:50	
SM 4500 H B	pH @20.6°C	5.9	pH Units				X303101	MWD	01/18/23 19:03	H5

SVL holds the following certifications:

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

Work order Report Page 6 of 15



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: **X3A0197**

Reported: 27-Jan-23 13:41

Client Sample ID: **RB20230116**

Sampled: 16-Jan-23 10:20

SVL Sample ID: **X3A0197-03 (Ground Water)**

Received: 17-Jan-23

Sampled By: BOD

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		X303045	RS	01/17/23 21:03	
EPA 300.0	Fluoride	0.219	mg/L	0.100	0.017		X303045	RS	01/17/23 21:03	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X303045	RS	01/17/23 21:03	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X303045	RS	01/17/23 21:03	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X303045	RS	01/17/23 21:03	
EPA 300.0	Sulfate as SO4	2.29	mg/L	0.30	0.18		X303045	RS	01/17/23 21:03	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.12 meq/L

Anion Sum: 0.08 meq/L

C/A Balance: 16.61 %

Calculated TDS: 3

TDS/cTDS: 0.00

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

Herman J. Haring

Project Manager

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

Work Order: **X3A0197**

Reported: 27-Jan-23 13:41

Client Sample ID: **GVMW-25 Duplicate**

Sampled: 16-Jan-23 10:10

Received: 17-Jan-23

Sampled By: BOD

SVL Sample ID: **X3A0197-04 (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	287	mg/L	0.100	0.035		X303194	AS	01/24/23 11:28	
EPA 200.7	Magnesium	89.8	mg/L	0.500	0.045		X303194	AS	01/24/23 11:28	
EPA 200.7	Potassium	4.06	mg/L	0.50	0.09		X303194	AS	01/24/23 11:28	
SM 2340 B	Hardness (as CaCO3)	1060	mg/L	2.31	0.457		N/A		01/24/23 11:28	

Metals (Dissolved)

EPA 200.7	Aluminum	29.0	mg/L	0.080	0.054		X303081	JRR	01/20/23 10:52	
EPA 200.7	Barium	0.0147	mg/L	0.0020	0.0019		X303081	JRR	01/20/23 10:52	
EPA 200.7	Beryllium	0.0510	mg/L	0.00200	0.00080		X303081	JRR	01/20/23 10:52	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X303081	JRR	01/20/23 10:52	
EPA 200.7	Cadmium	0.102	mg/L	0.0020	0.0016		X303081	JRR	01/20/23 10:52	
EPA 200.7	Calcium	273	mg/L	0.100	0.069		X303081	JRR	01/20/23 10:52	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X303081	JRR	01/20/23 10:52	
EPA 200.7	Cobalt	0.0638	mg/L	0.0060	0.0046		X303081	JRR	01/20/23 10:52	
EPA 200.7	Copper	0.0766	mg/L	0.0100	0.0027		X303081	JRR	01/20/23 10:52	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X303081	JRR	01/20/23 10:52	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X303081	JRR	01/20/23 10:52	
EPA 200.7	Lithium	0.041	mg/L	0.040	0.025		X303081	JRR	01/20/23 10:52	
EPA 200.7	Magnesium	82.3	mg/L	0.500	0.090		X303081	JRR	01/20/23 10:52	
EPA 200.7	Manganese	14.6	mg/L	0.0080	0.0034		X303081	JRR	01/20/23 10:52	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X303081	JRR	01/20/23 10:52	
EPA 200.7	Nickel	0.214	mg/L	0.0100	0.0048		X303081	JRR	01/20/23 10:52	
EPA 200.7	Potassium	4.10	mg/L	0.50	0.18		X303081	JRR	01/20/23 10:52	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X303081	JRR	01/20/23 10:52	
EPA 200.7	Sodium	30.4	mg/L	0.50	0.12		X303081	JRR	01/20/23 10:52	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X303081	JRR	01/20/23 10:52	
EPA 200.7	Zinc	3.60	mg/L	0.0100	0.0054		X303081	JRR	01/20/23 10:52	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X303096	AS	01/20/23 11:51	
EPA 200.8	Arsenic	0.00266	mg/L	0.00100	0.00021		X303096	AS	01/20/23 11:51	
EPA 200.8	Selenium	0.0130	mg/L	0.00100	0.00024		X303096	AS	01/20/23 11:51	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X303096	AS	01/20/23 11:51	
EPA 200.8	Uranium	0.0707	mg/L	0.000100	0.000052		X303096	AS	01/20/23 11:51	

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X304022	JRR	01/24/23 11:40	
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Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @18.0°C	< 0.0050	mg/L	0.0050	0.0048		X303012	HJL	01/23/23 10:31	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X303113	KAG	01/25/23 15:21	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X303051	KAG	01/18/23 16:43	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X303013	HJL	01/23/23 11:50	
SM 2310 B	Acidity to pH 8.3	196	mg/L as CaCO3	10.0			X303184	MWD	01/23/23 12:53	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X303101	MWD	01/18/23 19:10	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X303101	MWD	01/18/23 19:10	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X303101	MWD	01/18/23 19:10	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X303101	MWD	01/18/23 19:10	
SM 2540 C	Total Diss. Solids	1710	mg/L	10			X303050	TJL	01/18/23 15:50	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X303069	TJL	01/18/23 15:50	
SM 4500 H B	pH @20.5°C	4.5	pH Units				X303101	MWD	01/18/23 19:10	H5

SVL holds the following certifications:

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

Work order Report Page 8 of 15



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: **X3A0197**

Reported: 27-Jan-23 13:41

Client Sample ID: **GVMW-25 Duplicate**SVL Sample ID: **X3A0197-04 (Ground Water)**

Sampled: 16-Jan-23 10:10

Received: 17-Jan-23

Sampled By: BOD

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	17.1	mg/L	10.0	1.10	50	X303045	RS	01/17/23 22:18	D2
EPA 300.0	Fluoride	7.81	mg/L	5.00	0.850	50	X303045	RS	01/17/23 22:18	D2
EPA 300.0	Nitrate as N	2.03	mg/L	0.050	0.013		X303045	RS	01/17/23 22:00	
EPA 300.0	Nitrate+Nitrite as N	2.03	mg/L	0.100	0.044		X303045	RS	01/17/23 22:00	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X303045	RS	01/17/23 22:00	
EPA 300.0	Sulfate as SO4	1250	mg/L	15.0	9.00	50	X303045	RS	01/17/23 22:18	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 25.7 meq/L

Anion Sum: 27.1 meq/L

C/A Balance: -2.54 %

Calculated TDS: 1684

TDS/cTDS: 1.02

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

Herman J. Haring

Project Manager

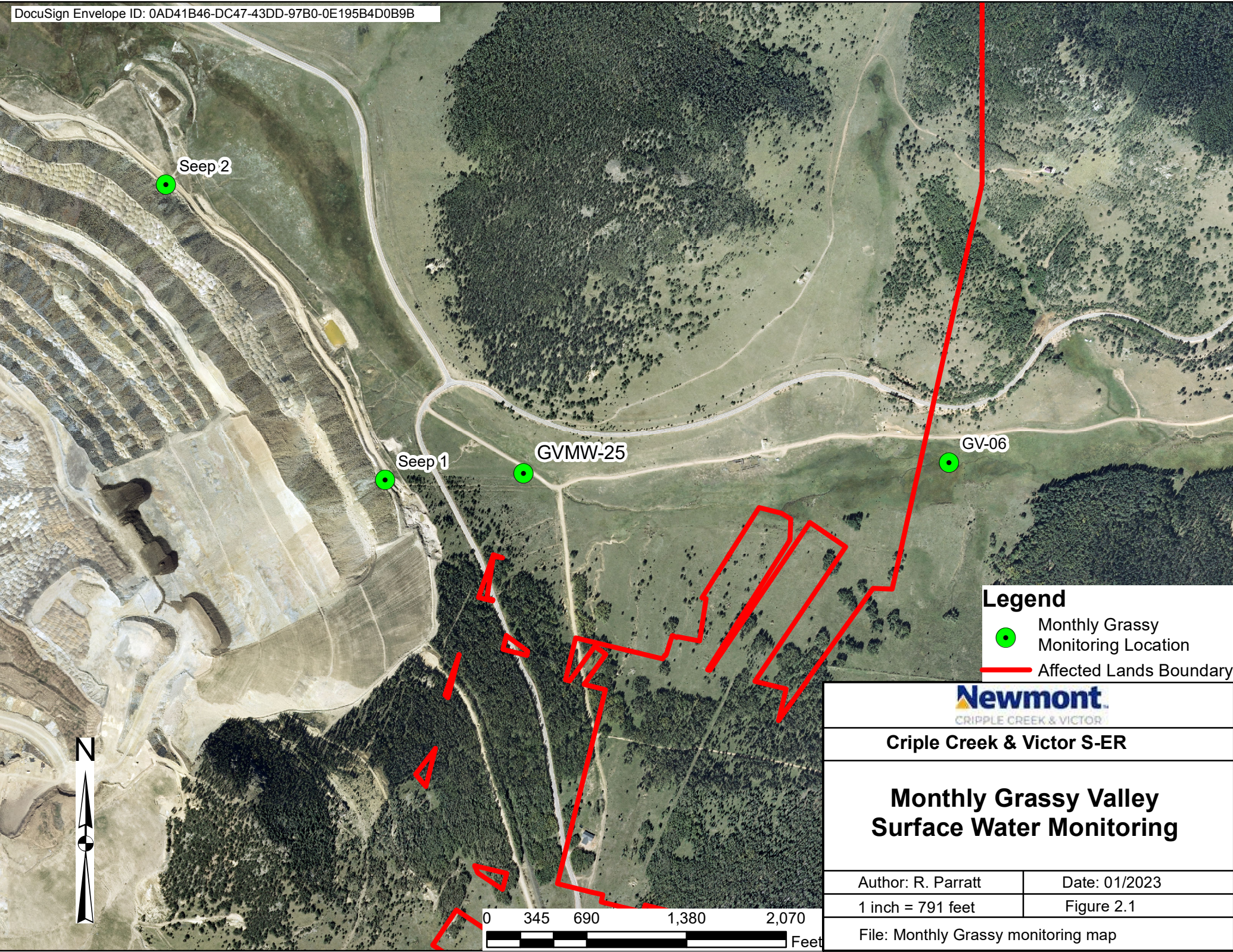
Surface Water Photos







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	

Certificate Of Completion

Envelope Id: 0AD41B46DC4743DD97B00E195B4D0B9B

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Katie.Blake@Newmont.com

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Completed

Security Checked

2/15/2023 2:40:50 PM

Payment Events**Status****Timestamps**



Cripple Creek & Victor - M1980-244 Grassy Valley Monthly Monitoring January 2023

Ronald Parratt <Ronald.Parratt@newmont.com>

Wed, Feb 15, 2023 at 4:05 PM

To: "Russell - DNR, Elliott" <elliott.russell@state.co.us>

Cc: Katie Blake <Katie.Blake@newmont.com>, Johnna Gonzalez <Johnna.Gonzalez@newmont.com>, Antonio Matarrese <Antonio.Matarrese@newmont.com>

Good Afternoon Mr. Russell,

Please see the attached graphs and analytical report for Grassy Valley monitoring for the month of January 2023.

Best Regards,

Ron

Ronald Parratt

Site Water Coordinator

Water & Energy Specialist



100 North 3rd Street

Victor, Colorado 80860

[O 719.851.4019](tel:719.851.4019)

[M 719.429.8522](tel:719.429.8522)

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