



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

January 24, 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 September 2022 Report Submission, January 12, 2022

Dear Mr. Russell,

Please see the attached Grassy Valley data (included within Attachment A) for monitoring well GVMW-25 for the month of September, 2022 as requested within DRMS Correspondence letter dated December 27, 2022; Additional Information Required, Grassy Valley Surface and Groundwater Monitoring November 2022; Permit No. M-1980-244.

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

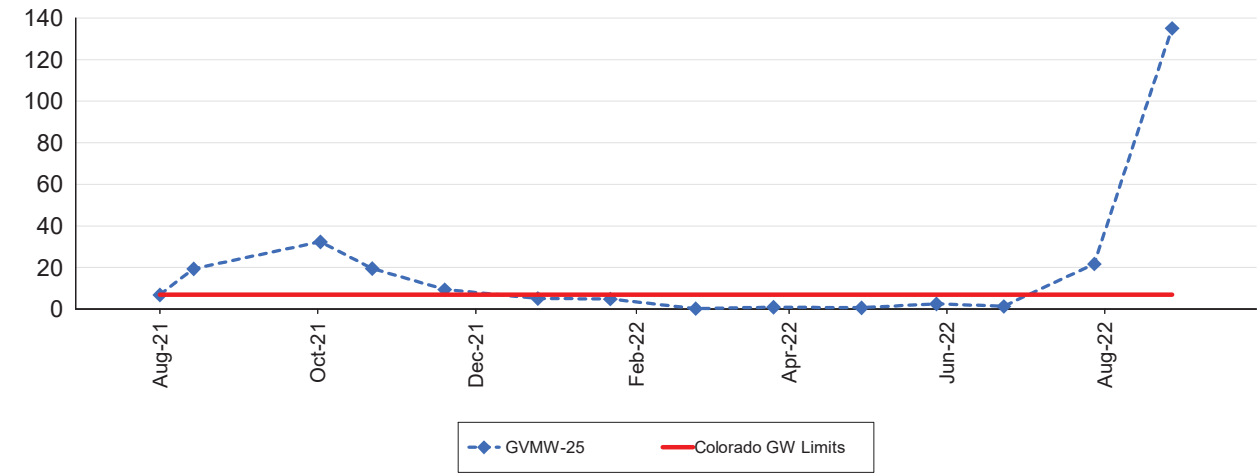


Cripple Creek & Victor
Gold Mining Company
P.O. Box 191
100 North 3rd Street
Victor, Colorado 80860

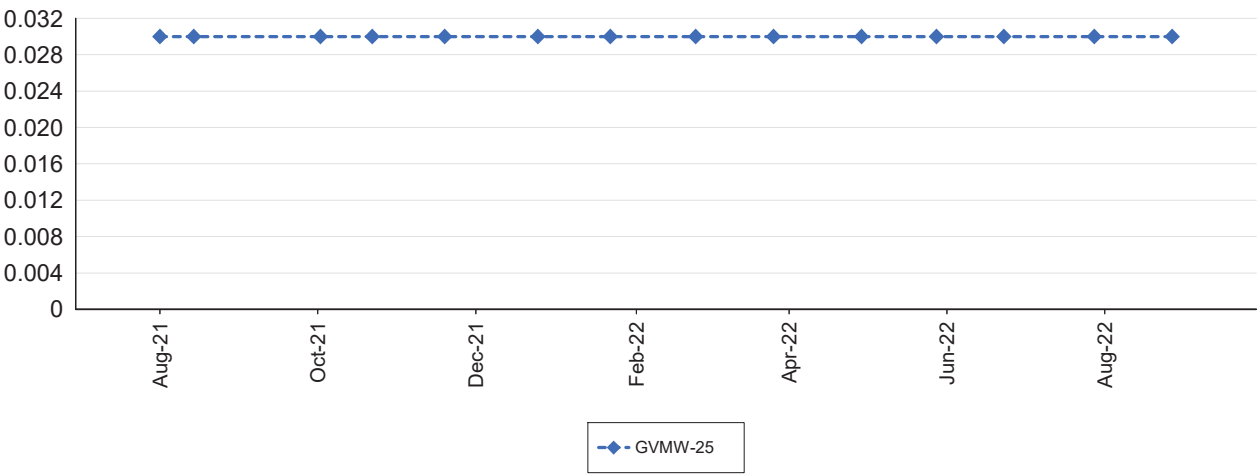
P 719.689.2977
F 719.689.3254
newmont.com

Attachment A

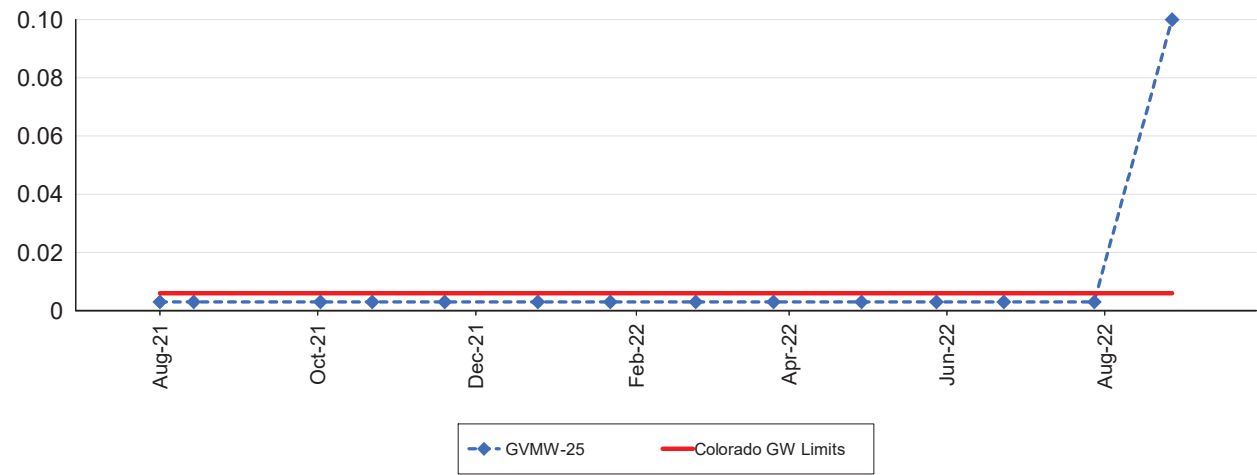
: Aluminium - Dissolved (mg/L)

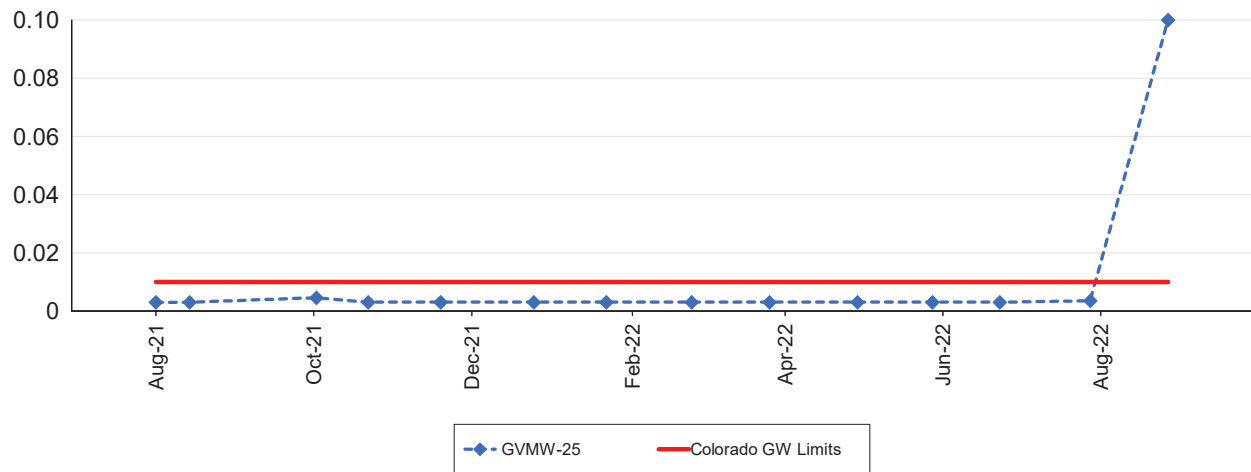
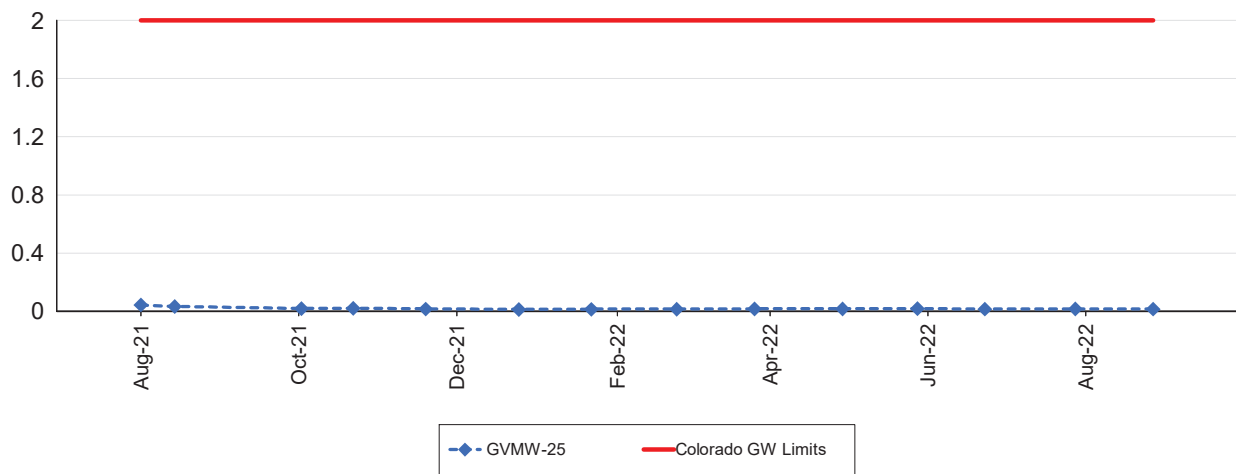
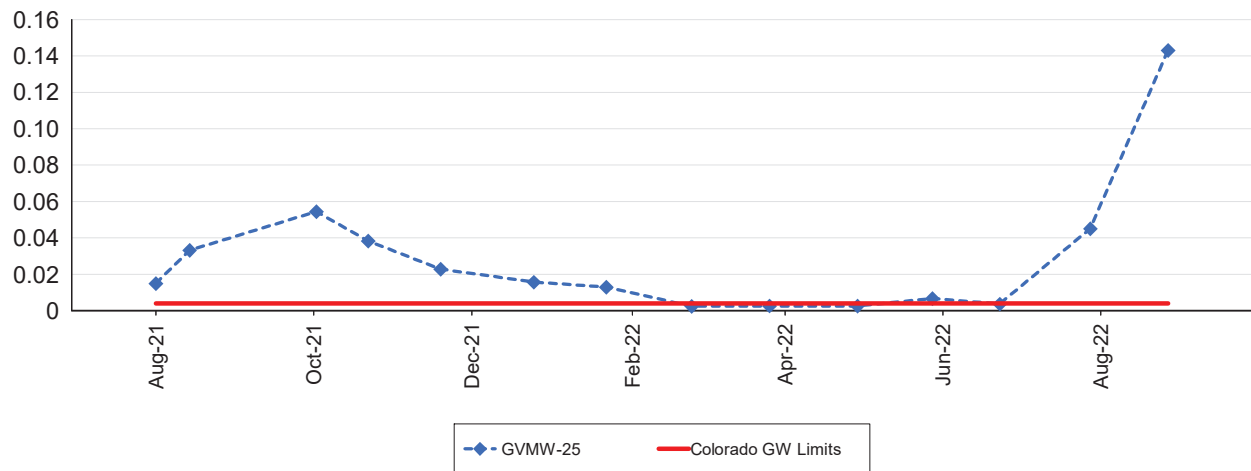


: Ammonia (mg/L)

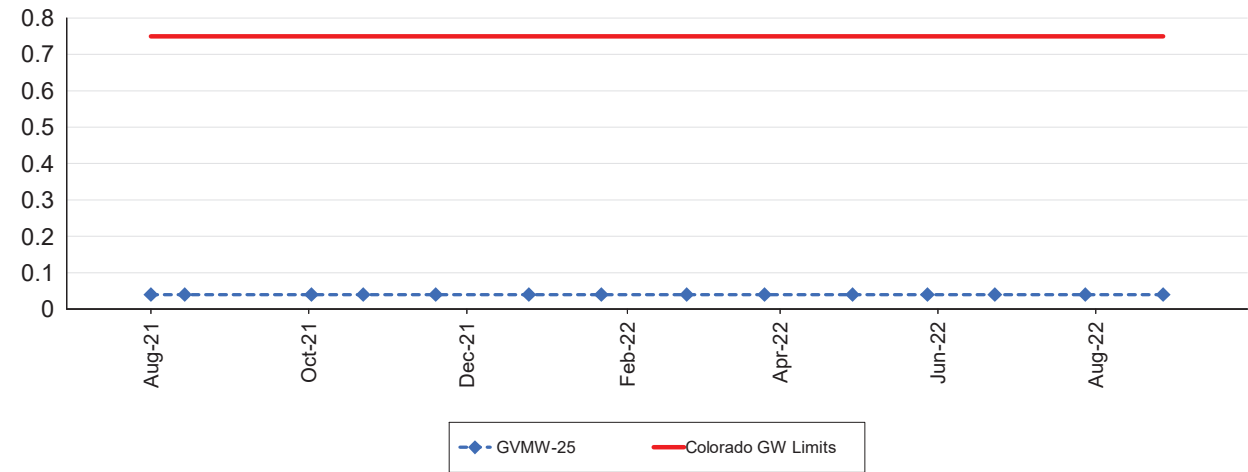


: Antimony - Dissolved (mg/L)

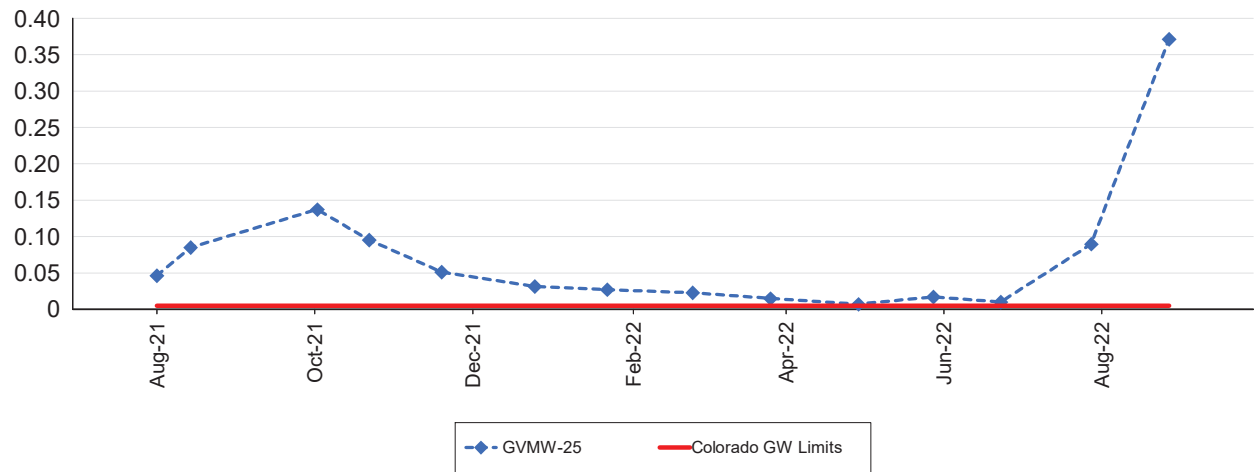


: Arsenic - Dissolved (mg/L)**: Barium - Dissolved (mg/L)****: Beryllium - Dissolved (mg/L)**

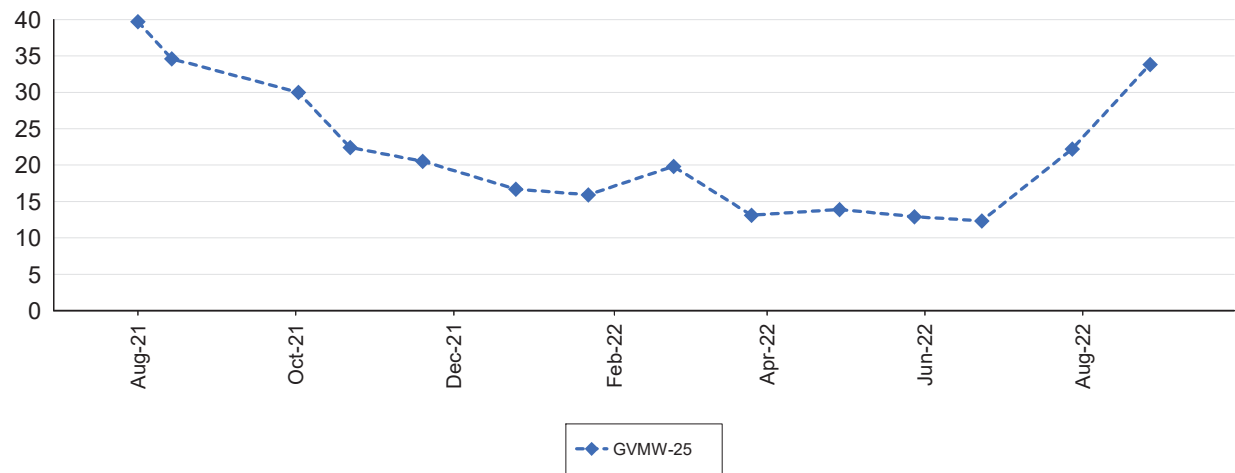
: Boron - Dissolved (mg/L)



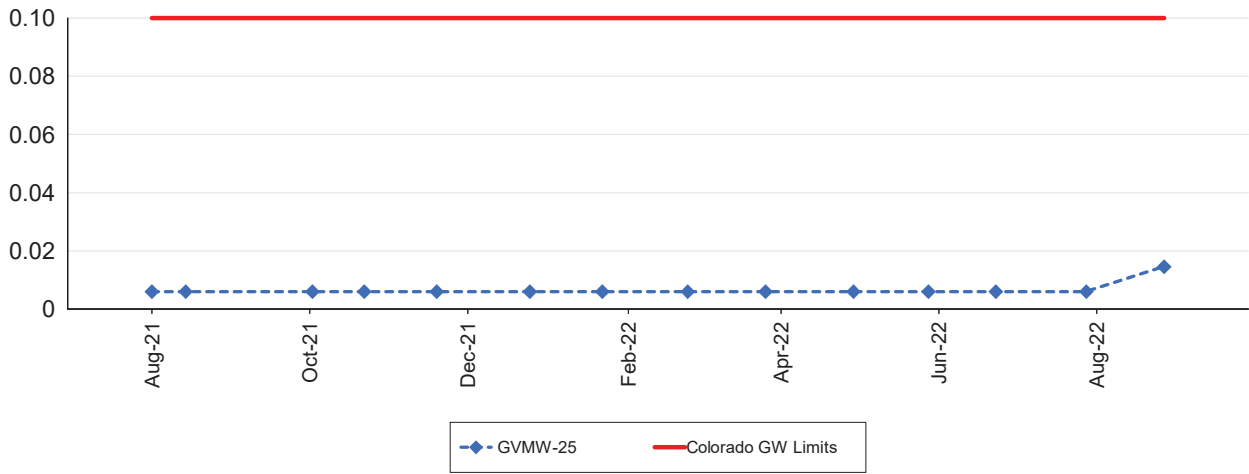
: Cadmium - Dissolved (mg/L)



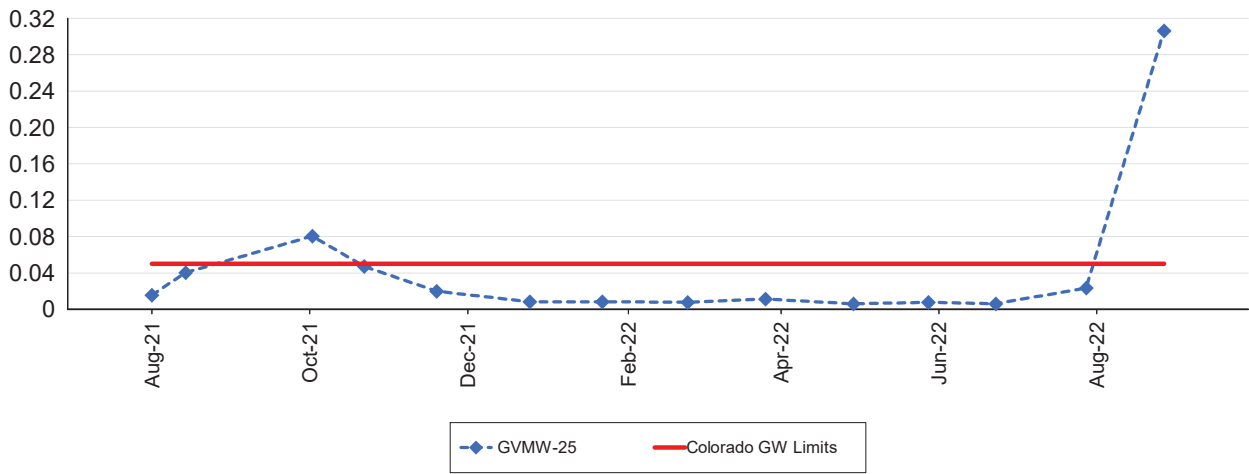
: Chloride - Total (mg/L)



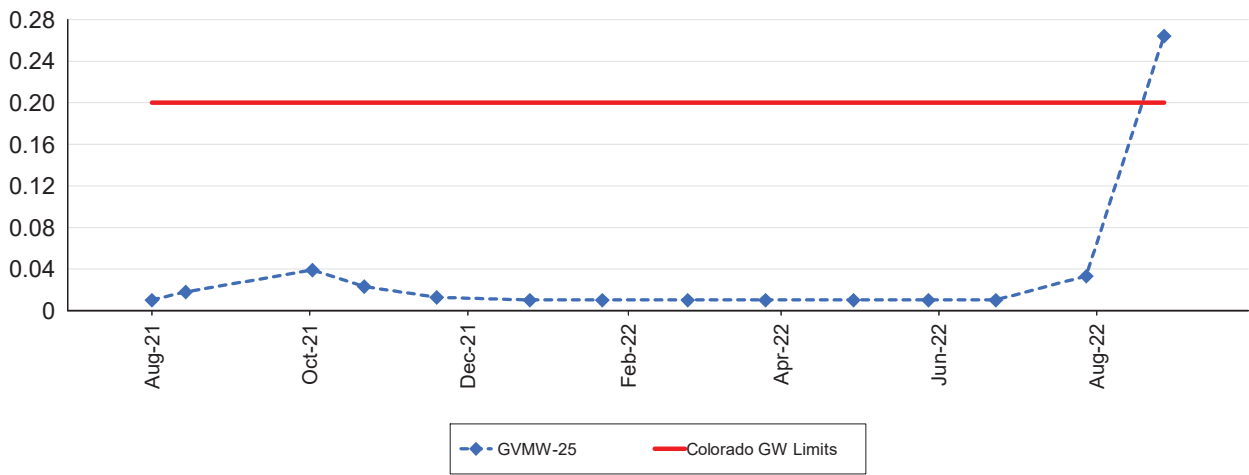
: Chromium - Dissolved (mg/L)



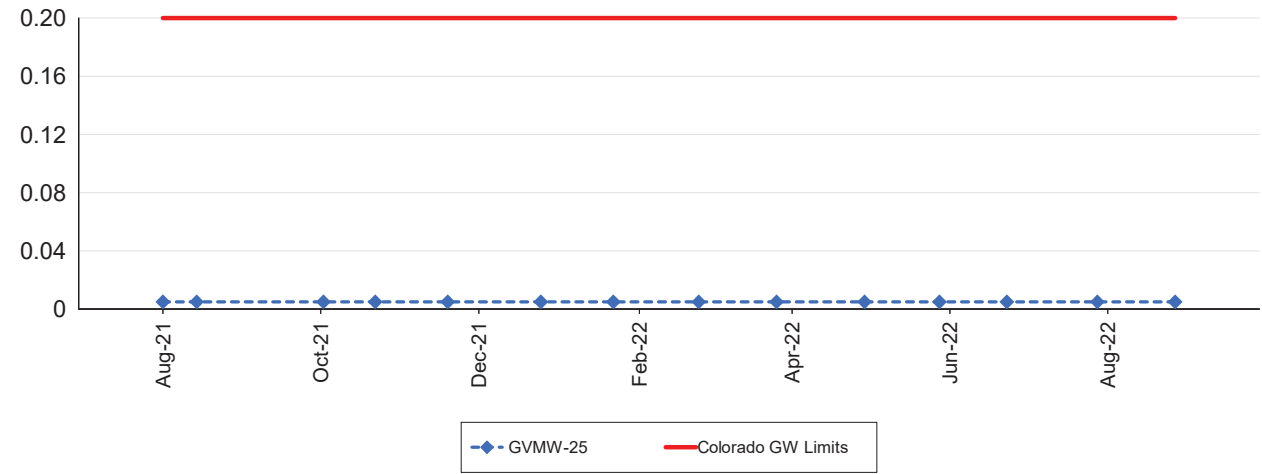
: Cobalt - Dissolved (mg/L)



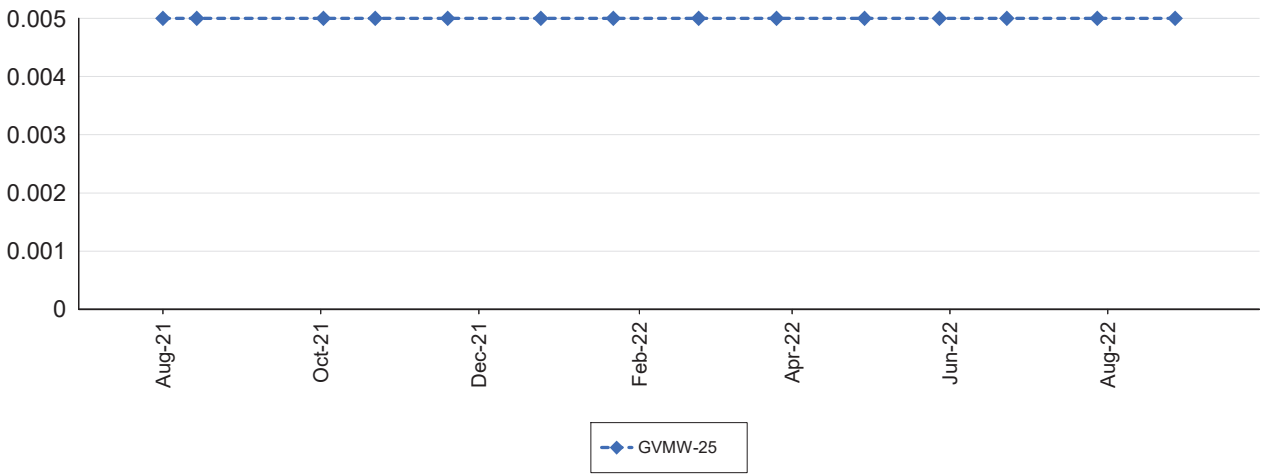
: Copper - Dissolved (mg/L)



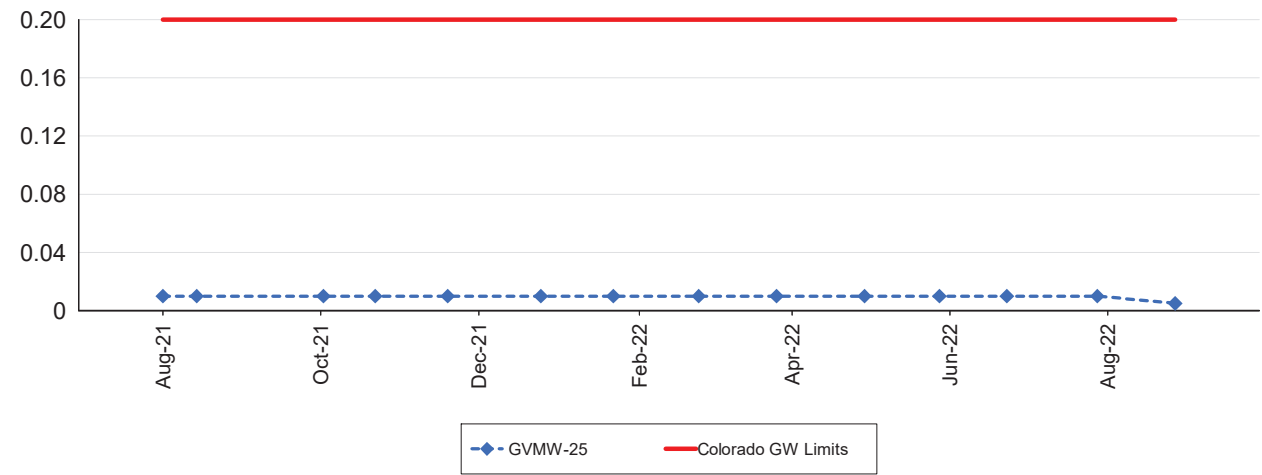
: Cyanide - Free (mg/L)



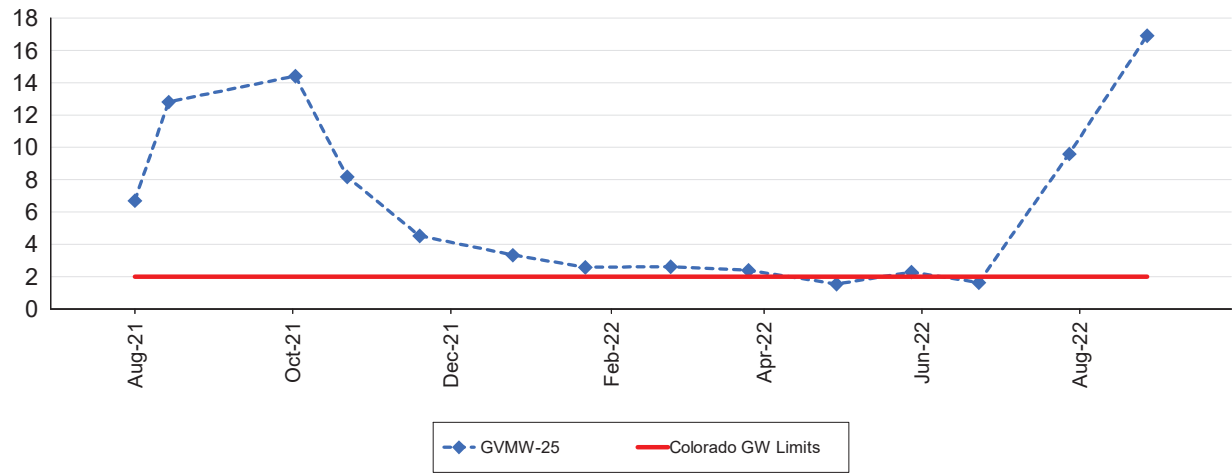
: Cyanide - Total (mg/L)



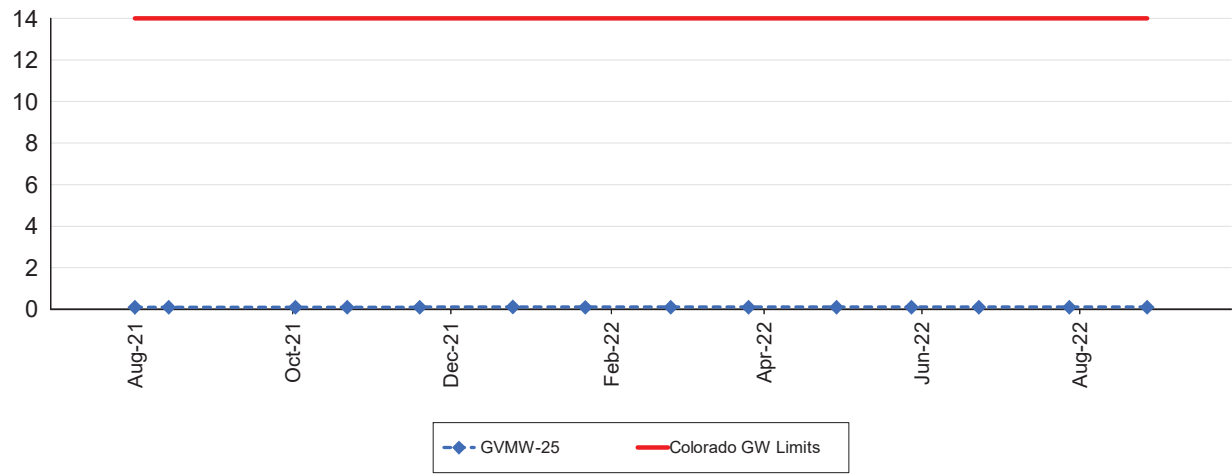
: Cyanide - WAD (mg/L)



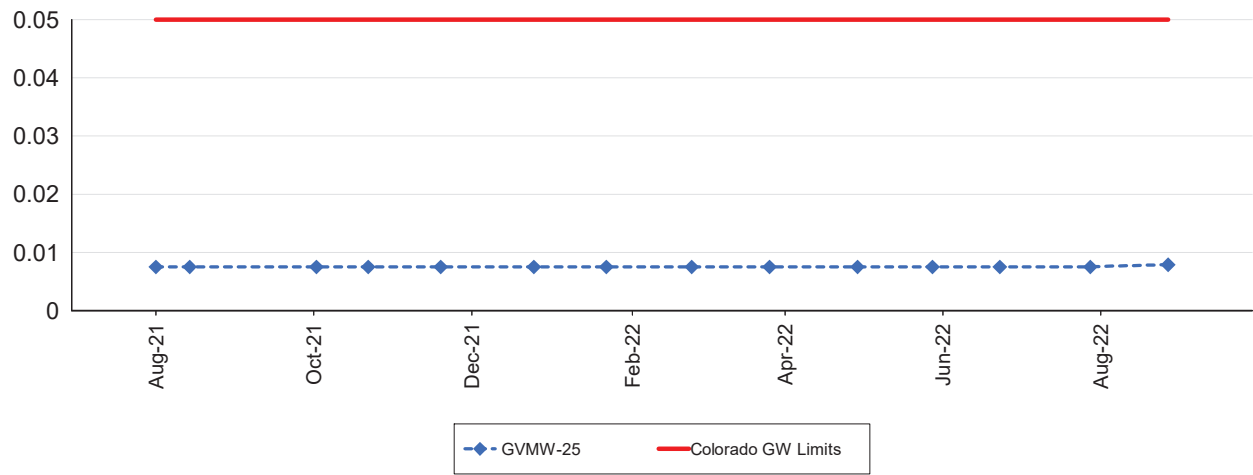
: Fluoride - Total F (mg/L)



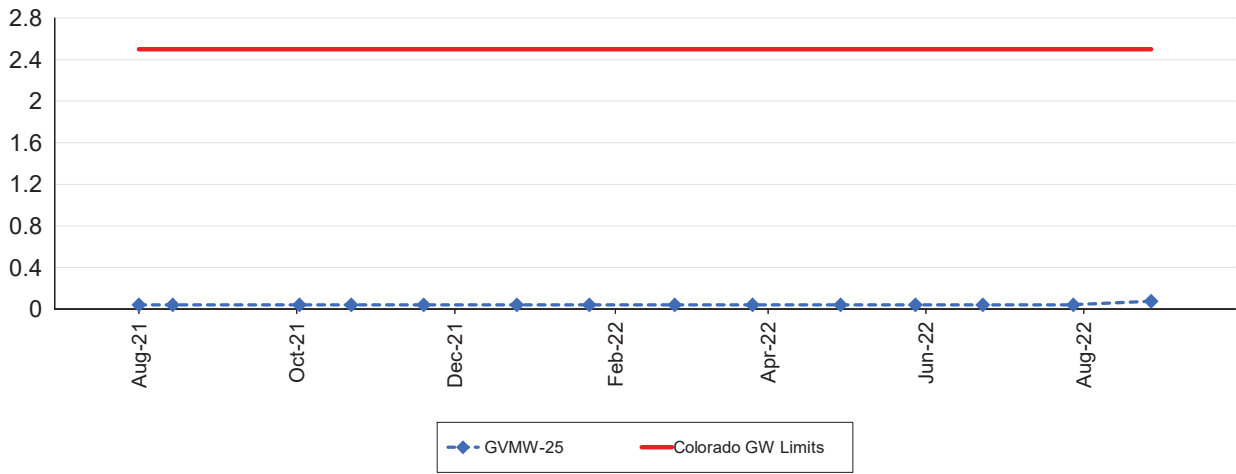
: Iron - Dissolved (mg/L)



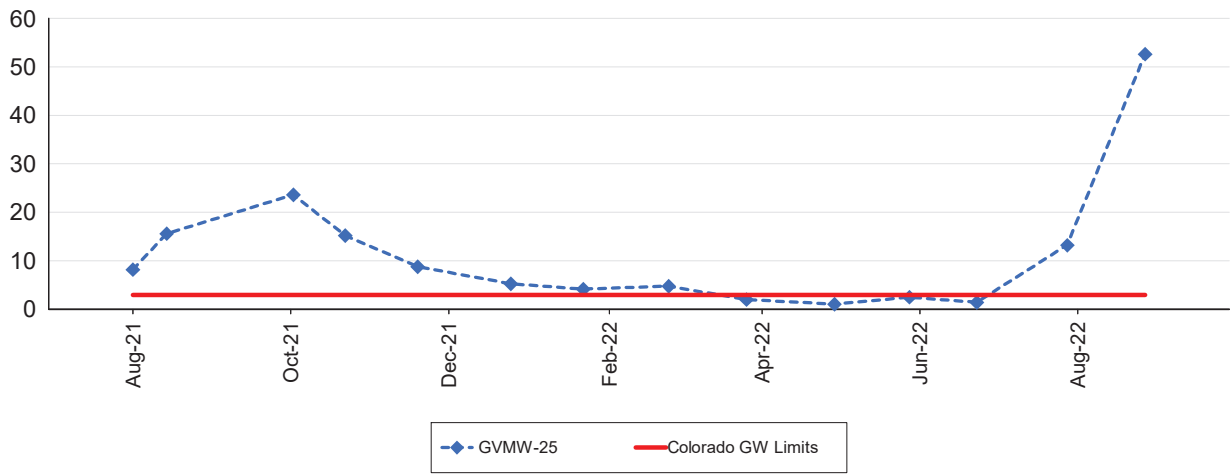
: Lead - Dissolved (mg/L)



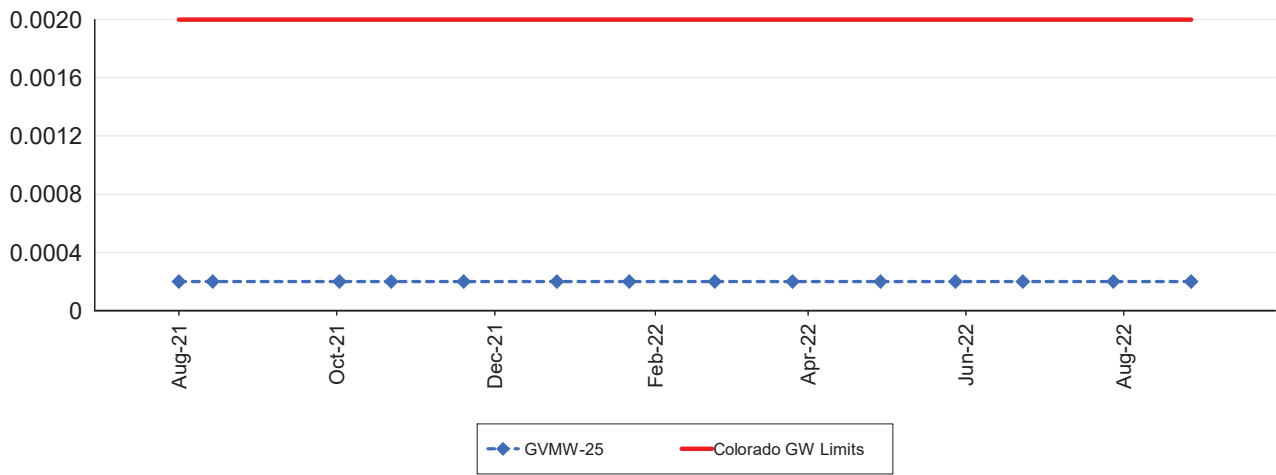
: Lithium - Dissolved (mg/L)



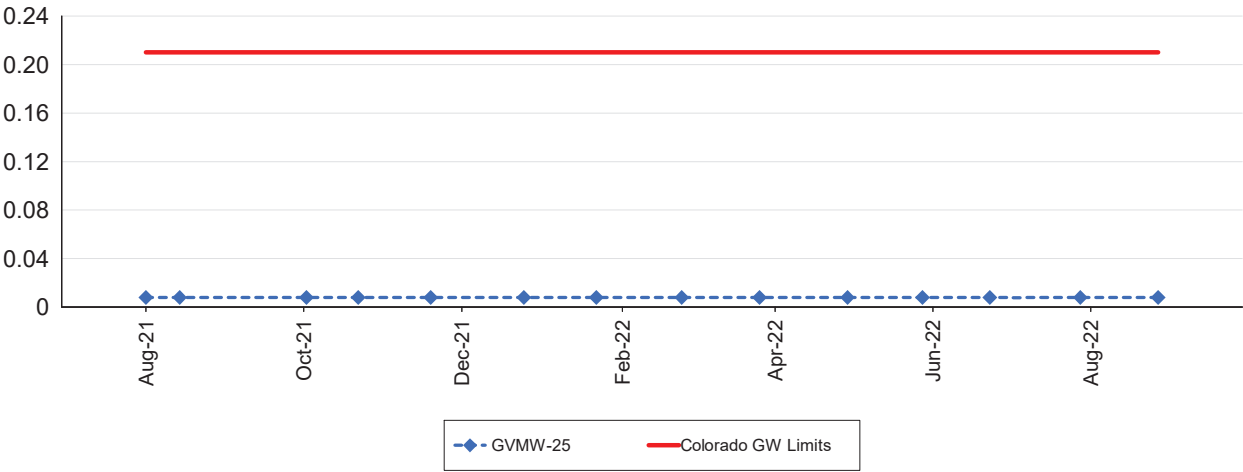
: Manganese - Dissolved (mg/L)



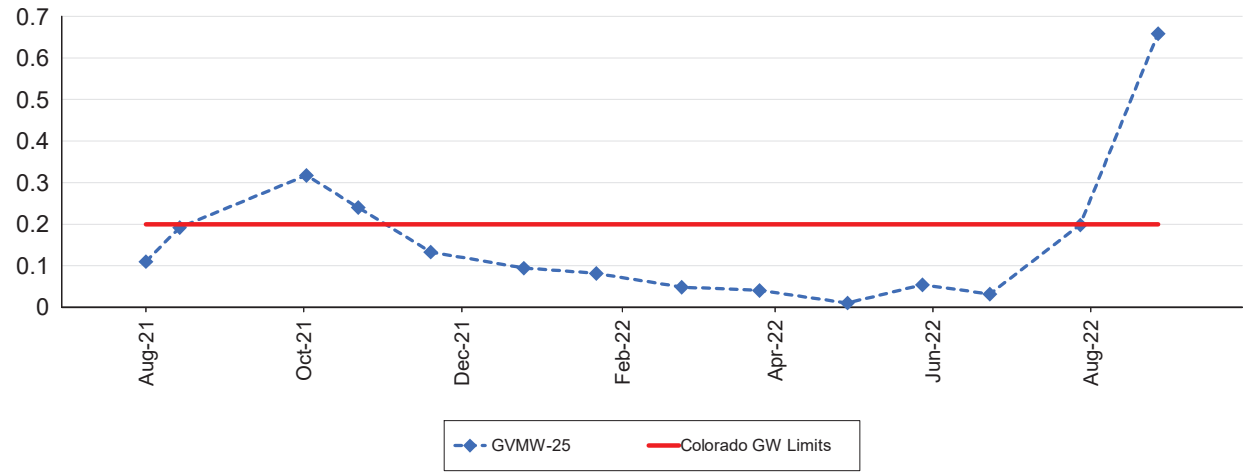
: Mercury - Dissolved (mg/L)



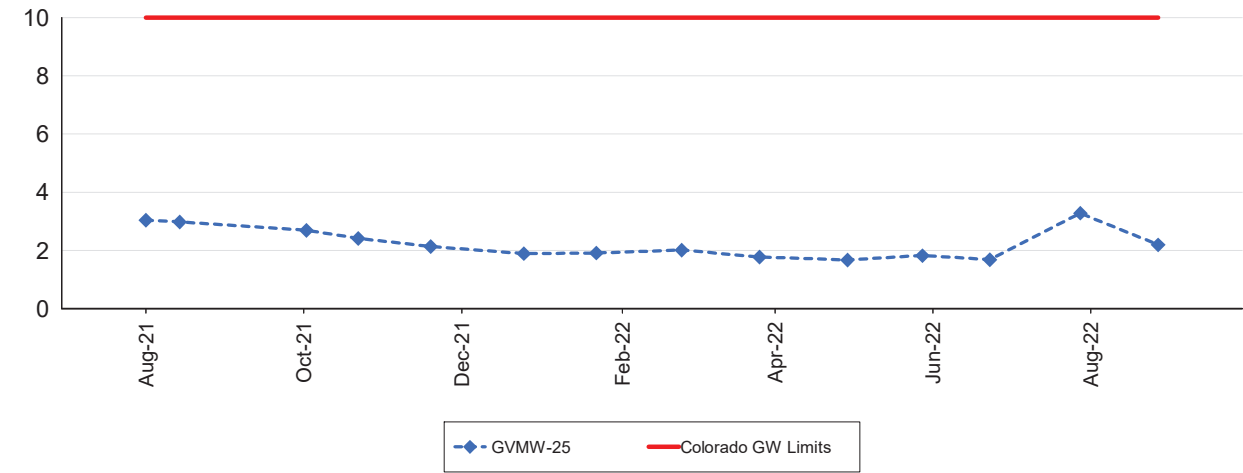
: Molybdenum - Dissolved (mg/L)



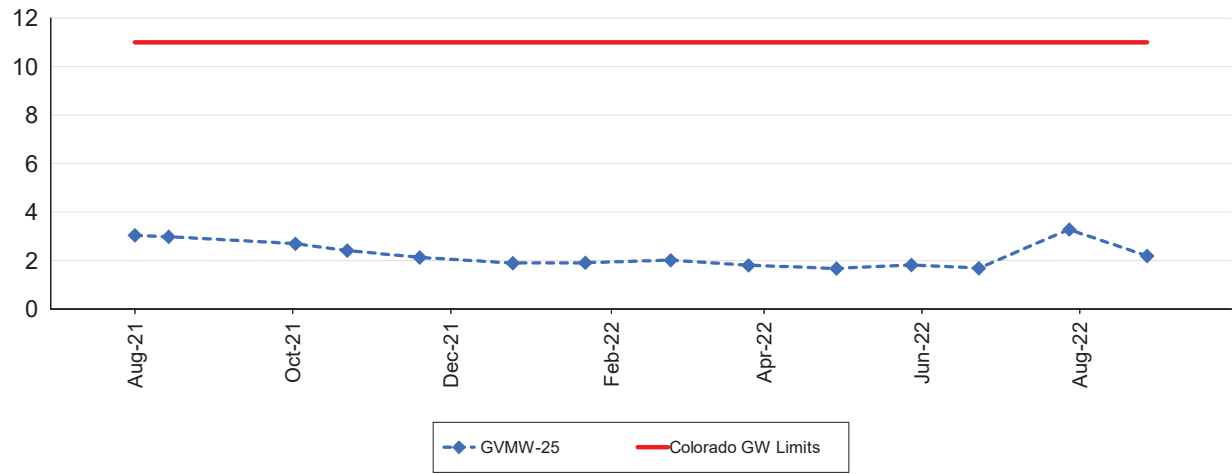
: Nickel - Dissolved (mg/L)



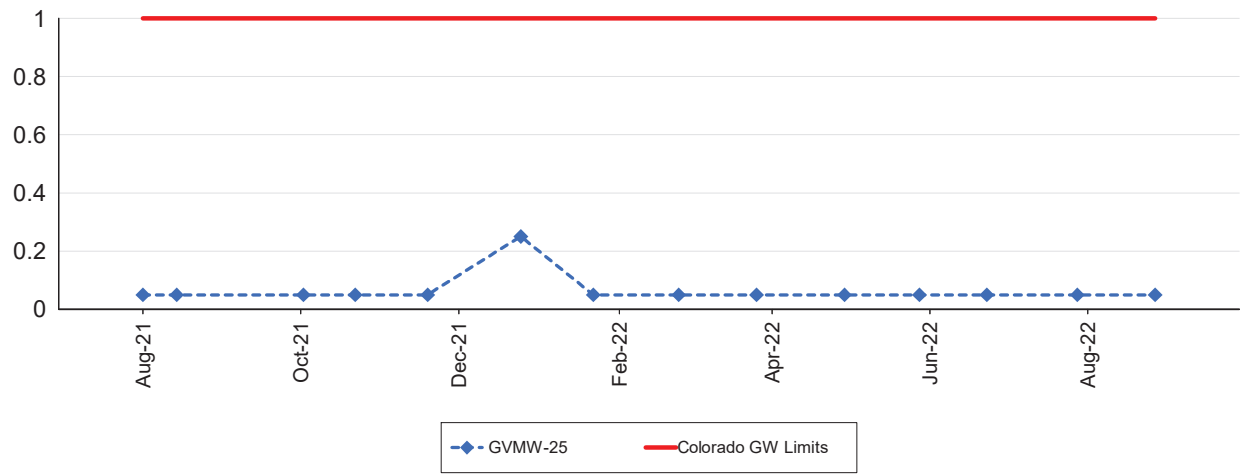
: Nitrate as Nitrogen (mg/L)



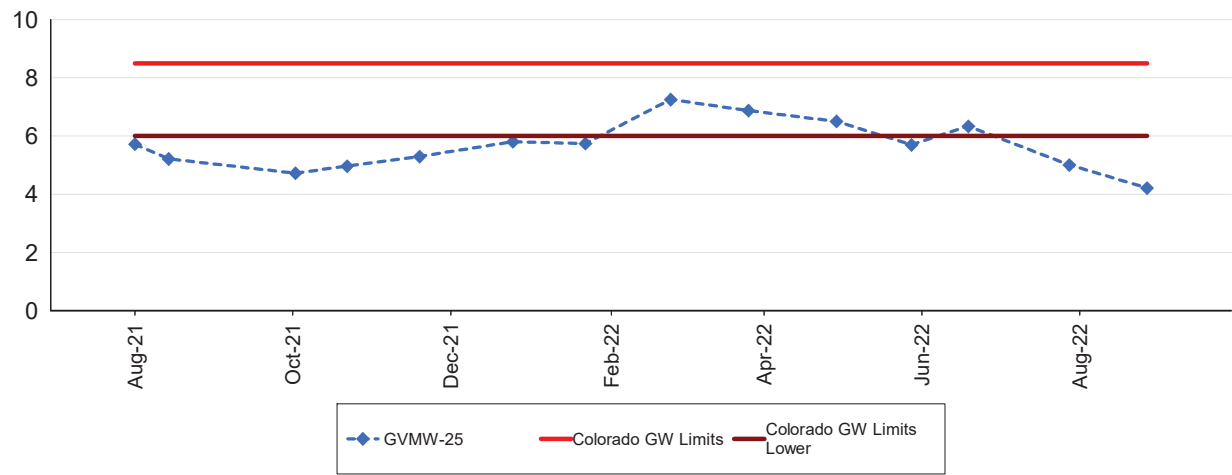
: Nitrite + Nitrate as Nitrogen (mg/L)

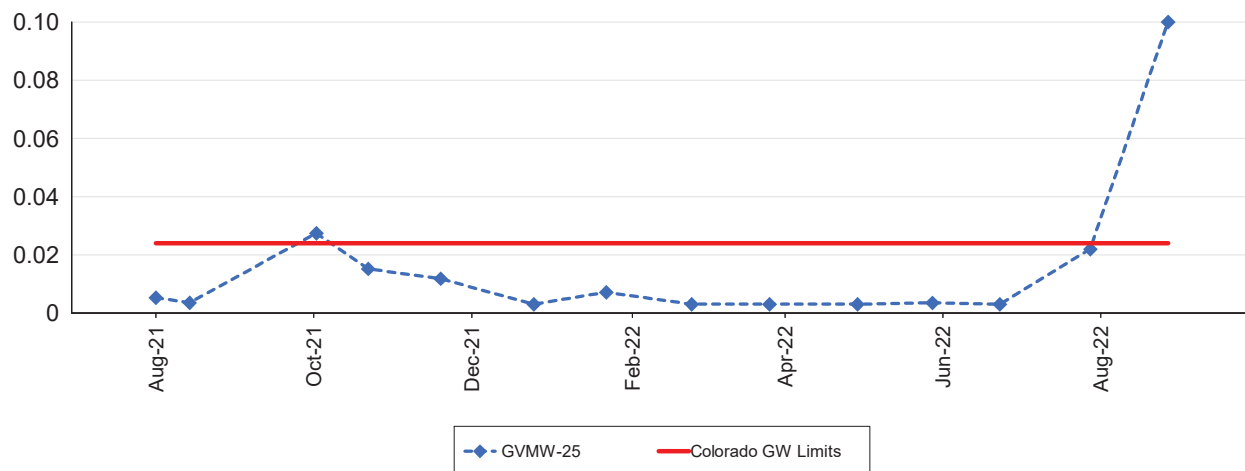
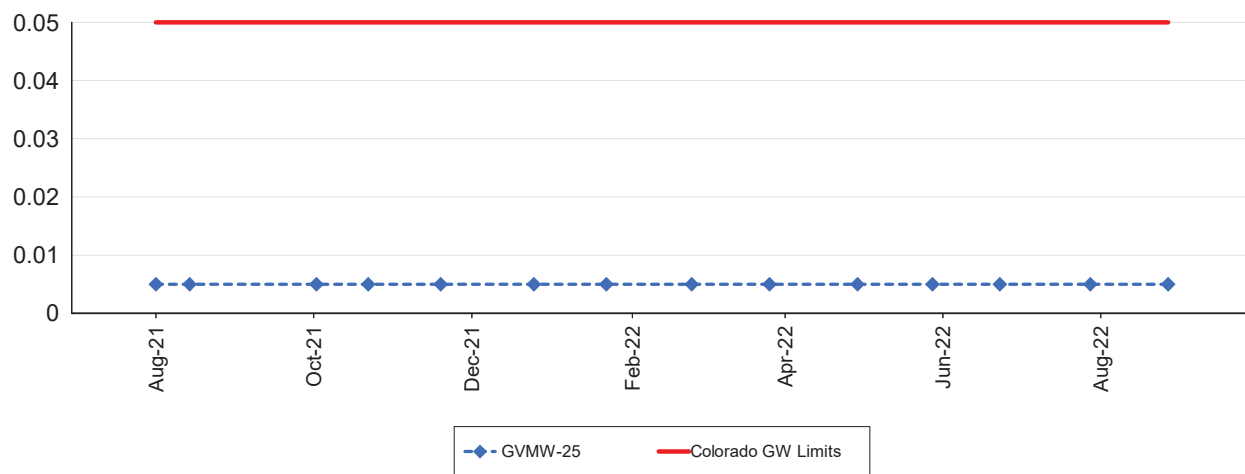
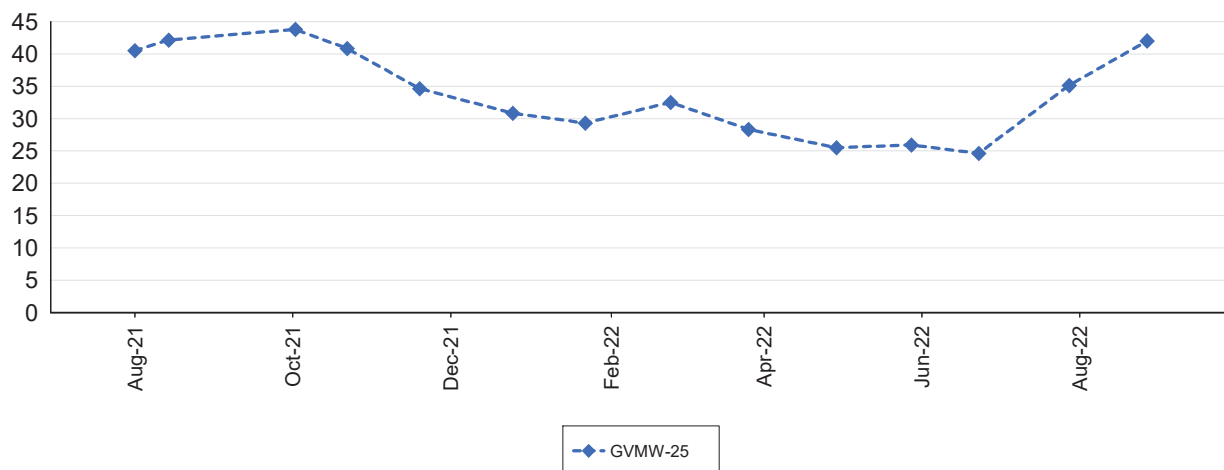


: Nitrite as Nitrogen (mg/L)

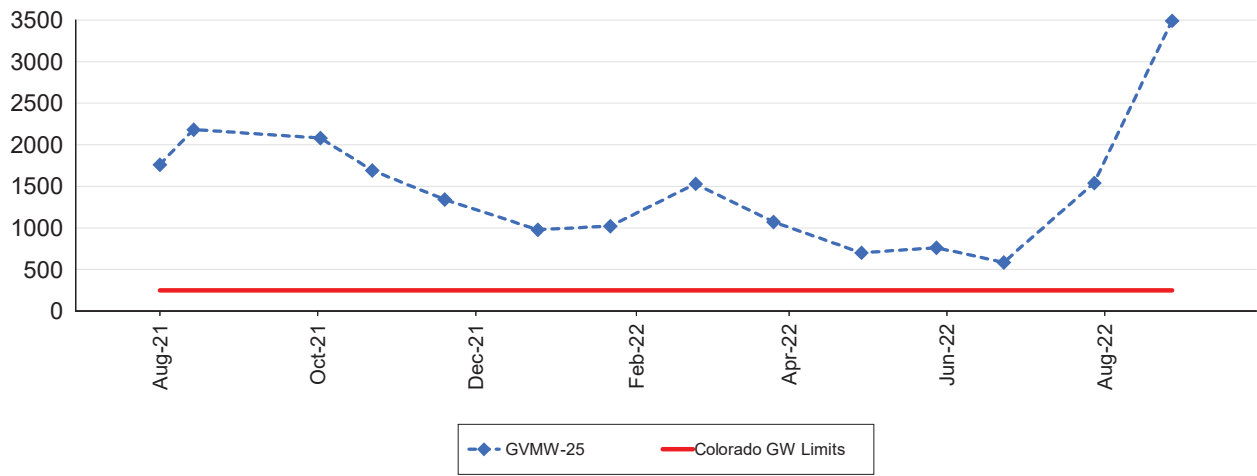


: pH Field (pH unit)

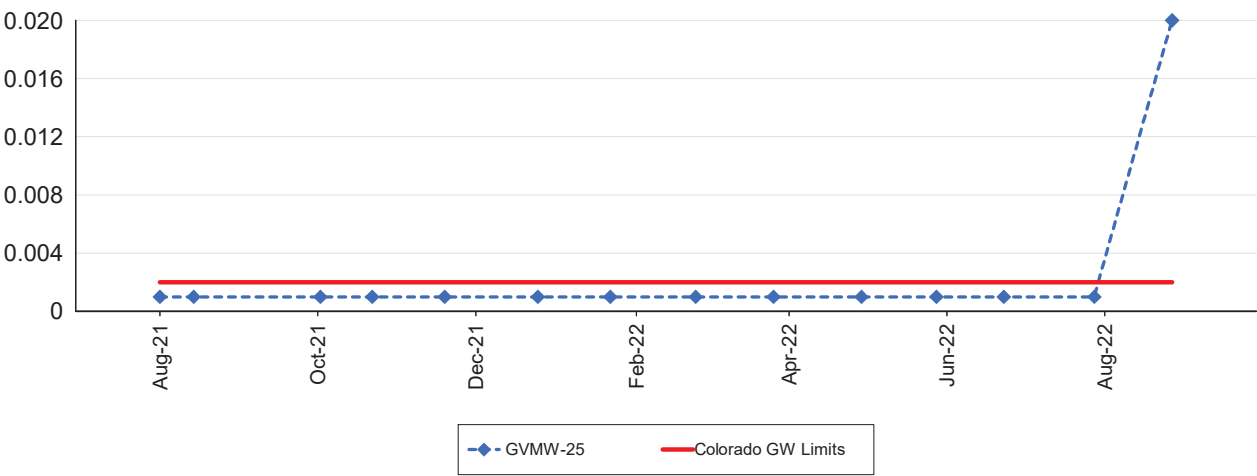


: Selenium - Dissolved (mg/L)**: Silver - Dissolved (mg/L)****: Sodium - Dissolved (mg/L)**

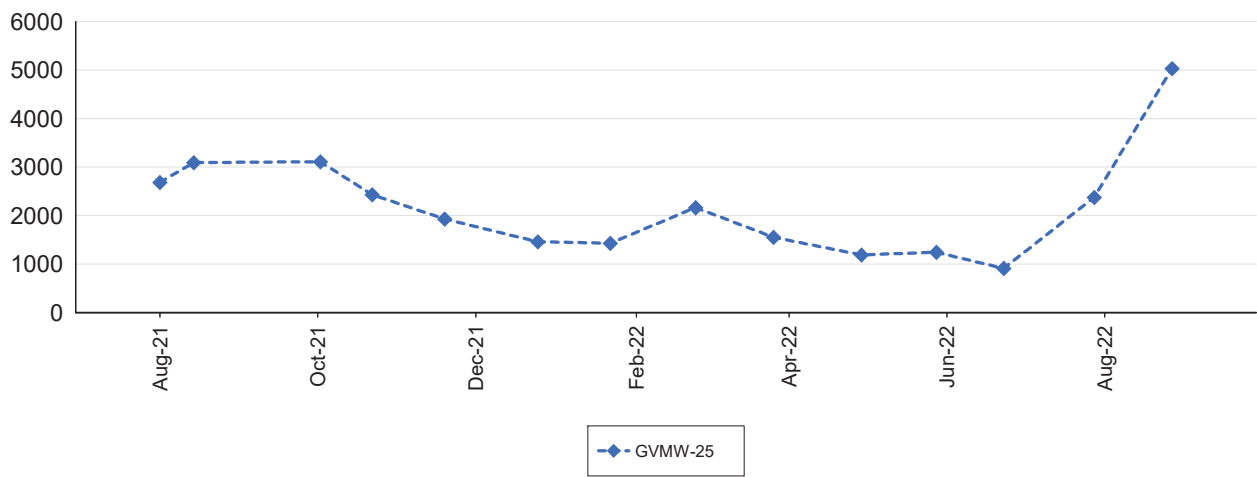
: Sulfate - Total (mg/L)



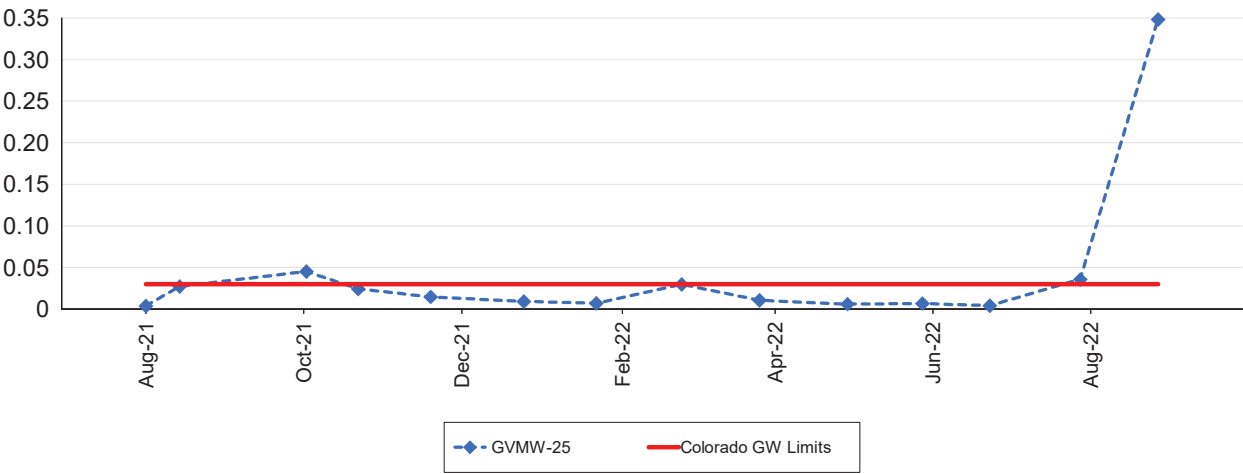
: Thallium - Dissolved (mg/L)



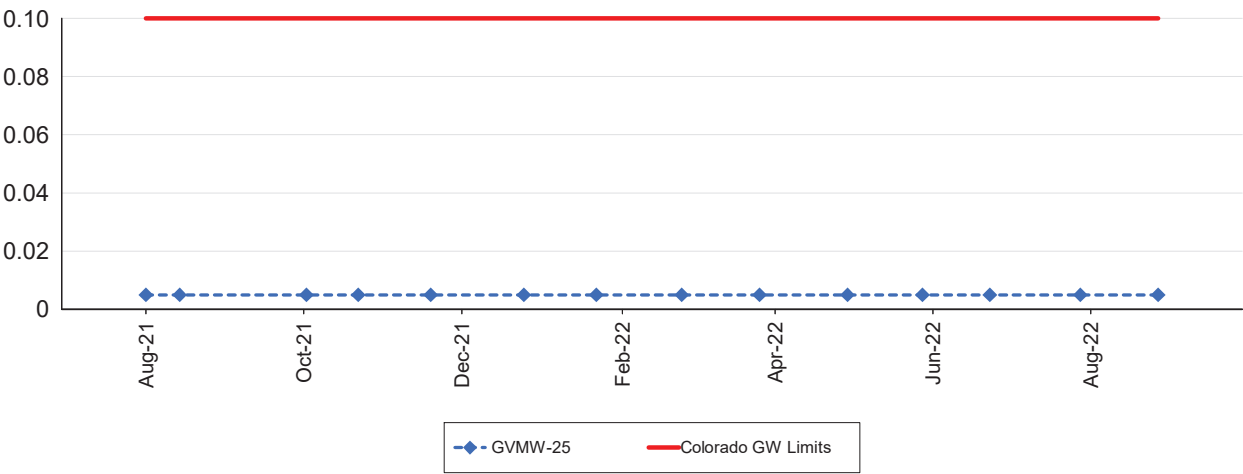
: Total Dissolved Solids (mg/L)



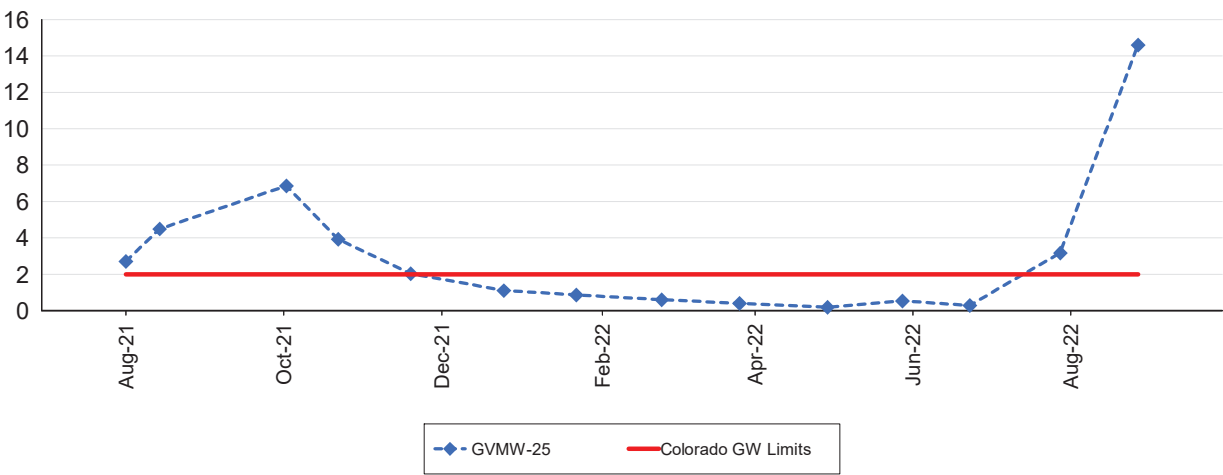
: Uranium - Dissolved (mg/L)



: 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

Project Name: Cripple Creek/Victor Water and Soil 2022Work Order: **X210254**

Reported: 24-Oct-22 18:16

Client Sample ID: **GVMW-25**SVL Sample ID: **X210254-03 (Ground Water)**

Sampled: 14-Sep-22 13:10

Received: 15-Sep-22

Sampled By: BOD

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	621	mg/L	0.500	0.345	10	X243209	JRR	10/24/22 10:28	D2,M4
EPA 200.7	Magnesium	197	mg/L	0.500	0.045		X243209	JRR	10/24/22 10:07	M3
EPA 200.7	Potassium	7.07	mg/L	0.502	0.090		X243209	JRR	10/24/22 10:07	
SM 2340 B	Hardness (as CaCO3)	2360	mg/L	3.31	1.05		N/A		10/24/22 10:28	

Metals (Dissolved)

EPA 200.7	Aluminum	135	mg/L	0.080	0.054		X238174	AS	09/26/22 16:58	
EPA 200.7	Barium	0.0158	mg/L	0.0020	0.0019		X238174	AS	09/26/22 16:58	
EPA 200.7	Beryllium	0.143	mg/L	0.00200	0.00080		X238174	AS	09/26/22 16:58	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X238174	AS	09/26/22 16:58	
EPA 200.7	Cadmium	0.371	mg/L	0.0020	0.0016		X238174	AS	09/26/22 16:58	
EPA 200.7	Calcium	611	mg/L	0.100	0.069		X238174	AS	09/26/22 16:58	
EPA 200.7	Chromium	0.0145	mg/L	0.0060	0.0020		X238174	AS	09/26/22 16:58	
EPA 200.7	Cobalt	0.306	mg/L	0.0060	0.0046		X238174	AS	09/26/22 16:58	
EPA 200.7	Copper	0.264	mg/L	0.0100	0.0027		X238174	AS	09/26/22 16:58	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X238174	AS	09/26/22 16:58	
EPA 200.7	Lead	0.0079	mg/L	0.0075	0.0049		X238174	AS	09/26/22 16:58	
EPA 200.7	Lithium	0.075	mg/L	0.040	0.025		X238174	AS	09/26/22 16:58	
EPA 200.7	Magnesium	200	mg/L	0.500	0.090		X238174	AS	09/26/22 16:58	
EPA 200.7	Manganese	52.6	mg/L	0.0080	0.0034		X238174	AS	09/26/22 16:58	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X238174	AS	09/26/22 16:58	
EPA 200.7	Nickel	0.658	mg/L	0.0100	0.0048		X238174	AS	09/26/22 16:58	
EPA 200.7	Potassium	6.27	mg/L	0.50	0.18		X238174	AS	09/26/22 16:58	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X238174	AS	09/26/22 16:58	
EPA 200.7	Sodium	42.0	mg/L	0.50	0.12		X238174	AS	09/26/22 16:58	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X238174	AS	09/26/22 16:58	
EPA 200.7	Zinc	14.6	mg/L	0.0100	0.0054		X238174	AS	09/26/22 16:58	
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X238215	AS	10/17/22 12:38	D1
EPA 200.8	Arsenic	< 0.100	mg/L	0.100	0.0210	100	X238215	AS	10/17/22 12:38	D1
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X238215	AS	10/17/22 12:38	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X238215	AS	10/17/22 12:38	D1
EPA 200.8	Uranium	0.348	mg/L	0.0100	0.00520	100	X238215	AS	10/17/22 12:38	D1

Metals (Filtered)

EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X239068	JRR	09/23/22 13:08	
-----------	----------------	------------	------	----------	----------	--	---------	-----	----------------	--



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

Project Name: Cripple Creek/Victor Water and Soil 2022Work Order: **X210254**

Reported: 24-Oct-22 18:16

Client Sample ID: **GVMW-25**SVL Sample ID: **X210254-03 (Ground Water)**

Sampled: 14-Sep-22 13:10

Received: 15-Sep-22

Sampled By: BOD

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 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X238213	HJL	09/19/22 12:32	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X239058	KJR	09/21/22 23:25	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X239152	KJR	09/22/22 14:32	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X238212	HJL	09/19/22 11:16	
SM 2310 B	Acidity to pH 8.3	968	mg/L as CaCO3	10.0			X240065	MWD	09/27/22 15:02	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X239061	MWD	09/20/22 20:01	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X239061	MWD	09/20/22 20:01	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X239061	MWD	09/20/22 20:01	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X239061	MWD	09/20/22 20:01	
SM 2540 C	Total Diss. Solids	5030	mg/L	40			X238249	TJL	09/16/22 16:10	D2
SM 2540 D	Total Susp. Solids	21.0	mg/L	5.0			X238250	TJL	09/16/22 16:10	
SM 4500 H B	pH @23.6°C	4.0	pH Units				X239061	MWD	09/20/22 20:01	H5

Anions by Ion Chromatography

EPA 300.0	Chloride	33.8	mg/L	10.0	1.10	50	X238179	RS	09/15/22 17:19	D2
EPA 300.0	Fluoride	16.9	mg/L	0.500	0.085	5	X238179	RS	09/17/22 20:58	D2
EPA 300.0	Nitrate as N	2.19	mg/L	0.050	0.013		X238179	RS	09/15/22 17:02	
EPA 300.0	Nitrate+Nitrite as N	2.19	mg/L	0.100	0.044		X238179	RS	09/15/22 17:02	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X238179	RS	09/15/22 17:02	
EPA 300.0	Sulfate as SO4	3490	mg/L	30.0	18.0	100	X238179	RS	09/17/22 21:17	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 68.1 meq/L Anion Sum: 74.7 meq/L C/A Balance: -4.65 % Calculated TDS: 4414 TDS/cTDS: 1.14

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

Herman J. Haring
Project Manager



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

Project Name: Cripple Creek/Victor Water and Soil 2022Work Order: **X210033**

Reported: 05-Oct-22 13:07

Client Sample ID: **ECOSA SEAP 1**SVL Sample ID: **X210033-01 (Ground Water)**

Sampled: 01-Sep-22 09:50

Received: 02-Sep-22

Sampled By: BOD

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	442	mg/L	2.50	1.73	50	X236242	AS	09/14/22 18:12	D1
EPA 200.7	Magnesium	907	mg/L	12.5	2.25	50	X236242	AS	09/14/22 18:12	D2
EPA 200.7	Potassium	< 12.5	mg/L	12.5	4.50	50	X236242	AS	09/14/22 18:12	D1
SM 2340 B	Hardness (as CaCO3)	4840	mg/L	57.7	13.6		N/A		09/14/22 15:04	

Metals (Dissolved)

EPA 200.7	Aluminum	3050	mg/L	4.00	2.70	50	X236038	AS	09/14/22 15:04	D2
EPA 200.7	Barium	< 0.100	mg/L	0.100	0.0950	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Beryllium	0.403	mg/L	0.100	0.0400	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Boron	< 2.00	mg/L	2.00	0.390	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Cadmium	11.4	mg/L	0.100	0.0800	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Calcium	440	mg/L	5.00	3.45	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Chromium	0.842	mg/L	0.300	0.100	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Cobalt	10.2	mg/L	0.300	0.230	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Copper	22.1	mg/L	0.500	0.135	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Iron	1440	mg/L	5.00	2.80	50	X236038	AS	09/14/22 15:04	D2
EPA 200.7	Lead	< 0.375	mg/L	0.375	0.245	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Lithium	< 2.00	mg/L	2.00	1.25	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Magnesium	896	mg/L	25.0	4.50	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Manganese	948	mg/L	0.400	0.170	50	X236038	AS	09/14/22 15:04	D2
EPA 200.7	Molybdenum	< 0.400	mg/L	0.400	0.170	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Nickel	7.59	mg/L	0.500	0.240	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Potassium	< 25.0	mg/L	25.0	9.00	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Silver	< 0.250	mg/L	0.250	0.0950	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Sodium	56.3	mg/L	25.0	6.00	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Vanadium	< 0.250	mg/L	0.250	0.0950	50	X236038	AS	09/14/22 15:04	D1
EPA 200.7	Zinc	180	mg/L	0.500	0.270	50	X236038	AS	09/14/22 15:04	D2
EPA 200.8	Antimony	< 0.0500	mg/L	0.0500	0.0360	50	X239050	AS	09/26/22 11:36	D1
EPA 200.8	Arsenic	0.630	mg/L	0.0500	0.0105	50	X239050	AS	09/26/22 11:36	D1
EPA 200.8	Selenium	0.763	mg/L	0.0500	0.0120	50	X239050	AS	10/04/22 09:28	D1
EPA 200.8	Thallium	< 0.0100	mg/L	0.0100	0.00400	50	X239050	AS	09/26/22 11:36	D1
EPA 200.8	Uranium	14.3	mg/L	0.00500	0.00260	50	X239050	AS	09/26/22 11:36	D2

Metals (Filtered)

EPA 245.1	Mercury	< 0.00200	mg/L	0.00200	0.000930	10	X238007	JRR	09/14/22 13:22	D1
-----------	---------	-----------	------	---------	----------	----	---------	-----	----------------	----

Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @19.0°C	< 0.0050	mg/L	0.0050	0.0048		X237124	HJL	09/08/22 13:59	Q12
EPA 335.4	Cyanide (total)	0.0072	mg/L	0.0050	0.0038		X237142	KJR	09/08/22 19:31	Q12
EPA 350.1	Ammonia as N	0.450	mg/L	0.300	0.127	10	X238114	KJR	09/14/22 19:45	D1
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X237123	HJL	09/08/22 12:42	Q12
SM 2310 B	Acidity to pH 8.3	23700	mg/L as CaCO3	10.0			X237240	MWD	09/12/22 15:34	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X237139	MWD	09/08/22 12:42	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X237139	MWD	09/08/22 12:42	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X237139	MWD	09/08/22 12:42	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X237139	MWD	09/08/22 12:42	
SM 2540 C	Total Diss. Solids	39300	mg/L	100			X237079	TJL	09/07/22 16:00	D2,E11
SM 2540 D	Total Susp. Solids	151	mg/L	5.0			X237081	TJL	09/07/22 16:00	
SM 4500 H B	pH @20.3°C	2.6	pH Units				X237139	MWD	09/08/22 12:42	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019 & ID00965 (Microbiology), NV:ID000192007A, SC:58004001, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 11



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

Project Name: Cripple Creek/Victor Water and Soil 2022Work Order: **X210033**

Reported: 05-Oct-22 13:07

Client Sample ID: **ECOSA SEAP 1**SVL Sample ID: **X210033-01 (Ground Water)**

Sampled: 01-Sep-22 09:50

Received: 02-Sep-22

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	10.7	mg/L	10.0	1.10	50	X236259	SMU	09/02/22 22:55	D2
EPA 300.0	Fluoride	162	mg/L	100	17.0	1000	X236259	SMU	09/02/22 23:11	D2
EPA 300.0	Nitrate as N	12.2	mg/L	2.50	0.650	50	X236259	SMU	09/02/22 22:55	D2
EPA 300.0	Nitrate+Nitrite as N	12.4	mg/L	5.00	2.20	50	X236259	SMU	09/02/22 22:55	D2
EPA 300.0	Nitrite as N	< 2.50	mg/L	2.50	1.55	50	X236259	SMU	09/02/22 22:55	D1
EPA 300.0	Sulfate as SO4	26600	mg/L	300	180	1000	X236259	SMU	09/02/22 23:11	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 572 meq/L

Anion Sum: 564 meq/L

C/A Balance: 0.77 %

Calculated TDS: 28226

TDS/cTDS: 1.39

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

Herman J. Haring
Project Manager



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

Project Name: Cripple Creek/Victor Water and Soil 2022Work Order: **X210033**

Reported: 05-Oct-22 13:07

Client Sample ID: **ECOSA SEAP 2**SVL Sample ID: **X210033-02 (Ground Water)**

Sampled: 01-Sep-22 10:30

Received: 02-Sep-22

Sampled By: BOD

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	484	mg/L	2.50	1.73	50	X236242	AS	09/14/22 18:15	D2
EPA 200.7	Magnesium	1480	mg/L	12.5	2.25	50	X236242	AS	09/14/22 18:15	D2
EPA 200.7	Potassium	< 12.5	mg/L	12.5	4.50	50	X236242	AS	09/14/22 18:15	D1
SM 2340 B	Hardness (as CaCO3)	7320	mg/L	57.7	13.6		N/A		09/14/22 15:07	

Metals (Dissolved)

EPA 200.7	Aluminum	12700	mg/L	4.00	2.70	50	X236038	AS	09/14/22 15:07	D2
EPA 200.7	Barium	0.127	mg/L	0.100	0.0950	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Beryllium	1.02	mg/L	0.100	0.0400	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Boron	< 2.00	mg/L	2.00	0.390	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Cadmium	63.8	mg/L	0.100	0.0800	50	X236038	AS	09/14/22 15:07	D2
EPA 200.7	Calcium	515	mg/L	5.00	3.45	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Chromium	3.52	mg/L	0.300	0.100	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Cobalt	32.4	mg/L	0.300	0.230	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Copper	141	mg/L	0.500	0.135	50	X236038	AS	09/14/22 15:07	D2
EPA 200.7	Iron	10700	mg/L	5.00	2.80	50	X236038	AS	09/14/22 15:07	D2
EPA 200.7	Lead	0.595	mg/L	0.375	0.245	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Lithium	3.60	mg/L	2.00	1.25	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Magnesium	1530	mg/L	25.0	4.50	50	X236038	AS	09/14/22 15:07	D2
EPA 200.7	Manganese	4710	mg/L	4.00	1.70	500	X236038	AS	09/14/22 15:17	D2
EPA 200.7	Molybdenum	< 0.400	mg/L	0.400	0.170	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Nickel	19.1	mg/L	0.500	0.240	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Potassium	< 25.0	mg/L	25.0	9.00	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Silver	< 0.250	mg/L	0.250	0.0950	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Sodium	37.9	mg/L	25.0	6.00	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Vanadium	1.08	mg/L	0.250	0.0950	50	X236038	AS	09/14/22 15:07	D1
EPA 200.7	Zinc	2670	mg/L	5.00	2.70	500	X236038	AS	09/14/22 15:17	D2
EPA 200.8	Antimony	0.0625	mg/L	0.0500	0.0360	50	X239050	AS	09/26/22 11:38	D1
EPA 200.8	Arsenic	18.9	mg/L	0.0500	0.0105	50	X239050	AS	09/26/22 11:38	D2
EPA 200.8	Selenium	< 0.500	mg/L	0.500	0.120	500	X239050	AS	10/04/22 09:31	D1
EPA 200.8	Thallium	< 0.0100	mg/L	0.0100	0.00400	50	X239050	AS	09/26/22 11:38	D1
EPA 200.8	Uranium	88.5	mg/L	0.0500	0.0260	500	X239050	AS	09/26/22 11:53	D2

Metals (Filtered)

EPA 245.1	Mercury	< 0.00200	mg/L	0.00200	0.000930	10	X238007	JRR	09/14/22 13:17	D1,M4
-----------	---------	-----------	------	---------	----------	----	---------	-----	----------------	-------

Classical Chemistry Parameters

ASTM D7237	Cyanide (free) @ pH 6 @19.0°C	< 0.0050	mg/L	0.0050	0.0048		X237124	HJL	09/08/22 14:00	Q12
EPA 335.4	Cyanide (total)	0.0214	mg/L	0.0050	0.0038		X237142	KJR	09/08/22 19:33	Q12
EPA 350.1	Ammonia as N	< 0.300	mg/L	0.300	0.127	10	X238114	KJR	09/14/22 19:47	D1
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X237123	HJL	09/08/22 12:43	Q12
SM 2310 B	Acidity to pH 8.3	72000	mg/L as CaCO3	10.0			X237240	MWD	09/12/22 15:34	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X237139	MWD	09/08/22 12:50	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X237139	MWD	09/08/22 12:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X237139	MWD	09/08/22 12:50	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X237139	MWD	09/08/22 12:50	
SM 2540 C	Total Diss. Solids	185000	mg/L	100			X237079	TJL	09/07/22 16:00	D2,E11
SM 2540 D	Total Susp. Solids	679	mg/L	5.0			X237081	TJL	09/07/22 16:00	
SM 4500 H B	pH @20.4°C	2.2	pH Units				X237139	MWD	09/08/22 12:50	H5

SVL holds the following certifications:

AZ:0538, ID:ID00019 & ID00965 (Microbiology), NV:ID000192007A, SC:58004001, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 11



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

Project Name: Cripple Creek/Victor Water and Soil 2022Work Order: **X210033**

Reported: 05-Oct-22 13:07

Client Sample ID: **ECOSA SEAP 2**SVL Sample ID: **X210033-02 (Ground Water)**

Sampled: 01-Sep-22 10:30

Received: 02-Sep-22

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	< 50.0	mg/L	50.0	5.50	250	X236259	SMU	09/02/22 23:28	D2
EPA 300.0	Fluoride	1660	mg/L	25.0	4.25	250	X236259	SMU	09/02/22 23:28	D2
EPA 300.0	Nitrate as N	14.2	mg/L	12.5	3.25	250	X236259	SMU	09/02/22 23:28	D2
EPA 300.0	Nitrate+Nitrite as N	< 25.0	mg/L	25.0	11.0	250	X236259	SMU	09/02/22 23:28	D2
EPA 300.0	Nitrite as N	< 12.5	mg/L	12.5	7.75	250	X236259	SMU	09/02/22 23:28	D1
EPA 300.0	Sulfate as SO4	121000	mg/L	1500	900	5000	X236259	SMU	09/02/22 23:45	D2

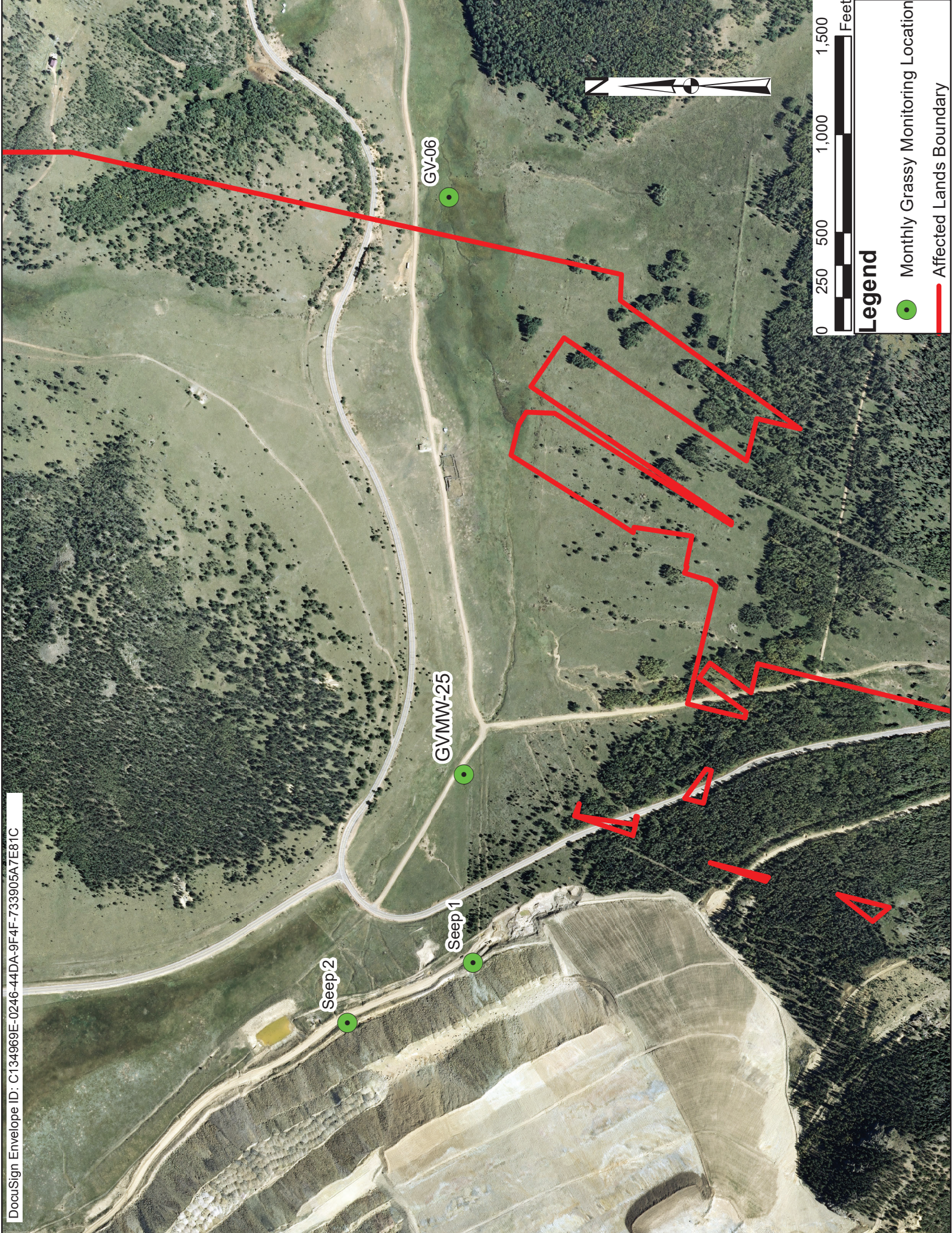
Cation/Anion Balance and TDS Ratios

Cation Sum: 2,202 meq/L Anion Sum: 2,608 meq/L C/A Balance: -8.44 % Calculated TDS: 124702 TDS/cTDS: 1.48

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

Herman J. Haring
Project Manager

Monthly Grassy Map



GV-06

GVMW-25

Seep 1

Seep 2



Legend

- Monthly Grassy Monitoring Location
- Affected Lands Boundary

Monthly Grassy Field Sheets

Newmont Mining Co**Cripple Creek & Victor Gold Mining Co****Surface Water Sampling Log****Location:** Ecosse Seep**Date:** 9-1-22**Technician:** Doering**Quarter:** 3rd

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
9:50 AM	2.79	14.05	14.6	red / orange

Sample Method: Grab**Oil/Gas visible** [Y/N]**Turbid** [Y/N]**Clear** [Y/N]**Weather:** Clear / warm**Signature:** **Comments:**

Seep Level Low. Collected directly above collection pond, for safety reasons.

Newmont Mining Co**Cripple Creek & Victor Gold Mining Co****Surface Water Sampling Log**Location: Easa Seep 2Date: 9-1-22Technician: NoeringQuarter: 3rd

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
10:30 AM	2.37	13.98	14.8	Dark Red

Sample Method: GrabOil/Gas visible [Y/N] (N)Turbid [Y/N] (N)Clear [Y/N] (N)Weather: clear / warmSignature: [Signature]**Comments:**

Currently Being Pumped Low Volume in seep
Collection Pond

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location :

Gross Valley

Date:

9-14-22

Technician:

Doering

Quarter:

3rd

Static Water Level (DTW):

49.7

Well ID:

GVMW-25

Well Depth:

79'

Is well Dry?

No

If so Dry at:

feet

51.1

51.1

51.6

51.7

51.7

51.7

Time	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
12:20	1.4	4.57	4050	6.5	
12:30	1.4	4.33	4206	6.4	
12:40	1.9	4.25	4220	6.4	
12:50	2	4.21	4064	6.9	2L/min
1:00	2	4.21	4024	6.4	
1:10	2	4.21	4009	6.4	

Sample Method:

Low flow

Rate (gpm):

0.52

Time Start:

12:20

Time End:

1:10 pm

Final Parameters	Stabilization Guidance	Met?	Comments
pH	4.21	0.1	Y/N
Conductivity	4009	3%	Y/N
Temp@	6.4	10%	Y/N
Final H2O level	51.7	feet	

O/G visible:

Y/N

Turbid?

Y/N

Equipment Decontaminated:

Y/N

Decontamination procedure used:

Deployable pump used.

New filter

Signature:

Weather:

and being used

Sunny



Grassy Valley Report

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

Wed, Jan 25, 2023 at 1:16 PM

To: Norma Townley <Norma.Townley2@newmont.com>

Cc: Patrick Lennberg - DNR <Patrick.Lennberg@state.co.us>, "Cunningham - DNR, Michael" <Michaela.Cunningham@state.co.us>, Katie Blake <Katie.Blake@newmont.com>, Ronald Parratt <Ronald.Parratt@newmont.com>, Antonio Matarrese <Antonio.Matarrese@newmont.com>, Norma Townley <Norma.Townley2@newmont.com>

Thank you Norma. The Division will review the September report and will be in contact with you if we have any follow up questions. I look forward to receiving the other items covered in the Division's December 27th letter regarding the November report.

You can remove Amy Eschberger from the CC email list as she has been promoted to a Senior Environmental Protection Specialist and is no longer on the CC&V oversight team.

Thank you.

Elliott Russell
Environmental Protection Specialist
Minerals Regulatory Program



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

I am working remotely and can be reached at 303.903.4456

*****Please note the Division's mailing address has changed*****

P 303.866.3567 x8132 | F 303.832.8106 | C 303.903.4456
Physical: 1313 Sherman Street, Room 215, Denver, CO 80203
Mailing: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216
Elliott.Russell@state.co.us | <https://drms.colorado.gov>

On Tue, Jan 24, 2023 at 12:54 PM Norma Townley <Norma.Townley2@newmont.com> wrote:

Elliott, please find attached our Grassy Valley September 2022 Report Submission. If you have any questions or concerns please reach out to Ronald.Parratt@Newmont.com or Katie.Blake@Newmont.com. Thank you.



Norma Townley

Business Assistant | Newmont | T 719-851-4255

Newmont

Cripple Creek & Victor Gold Mine

PO Box 191

100 N.3rd Street

Victor CO 80860

www.newmont.com

Email: Norma.Townley2@Newmont.com

Please consider the environment before printing this e-mail