

Sent VIA EMAIL

October 21, 2020

Mr. Tim Cazier  
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: Cresson Project Permit M-1980-244;  
Ground Water Monitoring Data: 3<sup>rd</sup> Quarter 2020  
Surface Water Monitoring Data: 3<sup>rd</sup> Quarter 2020

Dear Mr. Cazier:

Cripple Creek & Victor Gold Mining Company ("CC&V") is hereby providing the ground water & surface water monitoring report for the Cresson Project compliance locations for the 3<sup>rd</sup> quarter, (July through September) 2020.

CC&V collected all required samples as outlined in Permit No. M-1980-244. Groundwater monitoring locations Arequa Gulch well (CRMW-5D), Poverty Gulch wells (PGMW-2 and PGMW-4), Squaw Gulch wells (SGMW-5, SGMW-6A, SGMW-7A, and SGMW-7B), and Vindicator Valley well (VIN-2A) were reported dry. Surface water sampling locations in Arequa Gulch (AG 2.0), Wilson Creek (WCSW-01), Vindicator Valley (T-2), and Grassy Valley (GV-02 & GV-03) had no flow and were reported dry.

As reported on September 15, 2020, CC&V collected third quarter compliance groundwater samples from monitoring wells GVMW-22A on August 24, 2020, from GVMW-8A and GVMW-8B on August 26, 2020, and from PGMW-3 on August 27, 2020. CC&V received the lab reports for the GVMW-22A analyses on September 8, 2020, and the lab reports for GVMW-8A, GVMW-8B and PGMW-3 on September 9, 2020. Upon review, CC&V determined that GVMW-8A exceeded established numeric protection limits for pH, GVMW-8B exceeded established numeric protection limits for fluoride, GVMW-22A exceeded established numeric protection limits for fluoride, and PGMW-3 exceeded established numeric protection limits for pH, aluminum, cadmium, cobalt, copper, fluoride, nitrate as N, nitrite+nitrate as N, manganese, and sulfate. Table 1 below lists the exceedance for the location and the associated parameter.

Table 1.

Location	Sample Date	Parameter	Value (mg/L)	NPL (mg/L)	Table Standard (mg/L)
GVMW-8A	8/26/2020	pH	6.48	6.5 - 8.5	6.5 - 8.5
GVMW-8B	8/26/2020	fluoride	2.18	2	2
GVMW-22A	8/24/220	fluoride	2.01	2	2
PGMW-3	8/27/2020	pH	3.83	6.0 – 8.5	6.5 – 8.5
PGMW-3	8/27/2020	aluminum	16.8	7	5
PGMW-3	8/27/2020	cadmium	0.0135	0.005	0.005
PGMW-3	8/27/2020	cobalt	0.0601	-	0.05
PGMW-3	8/27/2020	copper	1.29	0.2	0.2
PGMW-3	8/27/2020	fluoride	2.51	2	2
PGMW-3	8/27/2020	nitrate as N	11.4	10	10
PGMW-3	8/27/2020	nitrite + nitrate as N	11.4	11	10
PGMW-3	8/27/2020	manganese	10.7	3	0.05
PGMW-3	8/27/2020	sulfate	523	-	250

As reported on September 22, 2020, CC&V collected third quarter compliance groundwater samples from monitoring wells SGMW-6B on August 31, 2020. CC&V received the lab report for these analyses on September 16, 2020, and upon review, CC&V determined that SGMW-6B exceeded established numeric protection limits for fluoride, manganese, and sulfate. Table 2 below lists the exceedance for the location and the associated parameter.

Table 2.

Location	Sample Date	Parameter	Value (mg/L)	NPL (mg/L)	Table Standard (mg/L)
SGMW-6B	8/31/2020	Fluoride	7.24	2	2
SGMW-6B	8/31/2020	Manganese	6.54	3	0.05
SGMW-6B	8/31/2020	Sulfate	904	250	250

As reported on October 6, 2020, CC&V collected third quarter compliance groundwater samples from monitoring wells CRMW-5A and CRMW- 5B on September 17, 2020. CC&V received the lab report for these analyses on September 29, 2020, and upon review, CC&V determined that CRMW-5A exceeded established numeric protection limits for uranium, and CRMW-3B exceeded established numeric protection limits for fluoride. Table 3 below lists the exceedance for the location and the associated parameter.

Table 3.

Location	Sample Date	Parameter	Value (mg/L)	NPL (mg/L)	Table Standard (mg/L)
CRMW-5A	9/17/2020	Uranium	0.0789		0.03
CRMW-5B	9/17/2020	Fluoride	2.83	2.0	2.0

As reported on October 8, 2020, CC&V collected third quarter compliance groundwater samples from monitoring wells CRMW-3B and CRMW-3C on September 15, 2020 and CRMW-5C on September 17, 2020. CC&V received the lab report for CRMW-3B and CRMW-3C on October 1, 2020 and received the lab report for CRMW-5C October 2, 2020. Upon review, CC&V determined that CRMW-3B exceeded established table value standards for cobalt, and uranium, and established numeric protection standards for fluoride, and manganese. CRMW-3C exceeded established numeric protection limits for fluoride and CRMW-5C exceeded established numeric protection limits for fluoride. Table 4 below lists the exceedance for the location and the associated parameter.

Table 4.

Location	Sample Date	Parameter	Value (mg/L)	NPL (mg/L)	Table Standard (mg/L)
CRMW-3B	9/15/2020	Cobalt	0.0904		0.05
CRMW-3B	9/15/2020	Fluoride	2.93	2.00	2.00
CRMW-3B	9/15/2020	Manganese	15.7	8.1	0.05
CRMW-3B	9/15/2020	Uranium	0.0364		0.03
CRMW-3C	9/15/2020	Fluoride	2.26	2.00	2.00
CRMW-5C	9/17/2020	Fluoride	3.02	2.00	2.00

As reported on October 13, 2020, CC&V collected third quarter compliance groundwater samples from monitoring well CRMW-3A on September 21, 2020. CC&V received the lab report for CRMW-3A on October 8, 2020. Upon review, CC&V determined that CRMW-3A exceeded established numeric protection limits for fluoride, and established table value standard for sulfate. Table 5 below lists the exceedance for the location and the associated parameter.

Table 5.

Location	Sample Date	Parameter	Value (mg/L)	NPL (mg/L)	Table Standard (mg/L)
CRMW-3A	9/21/2020	Fluoride	2.85	2.0	2.0
CRMW-3A	9/21/2020	Sulfate	831		250

Sincerely,



Justin Raglin  
S&ER Manager  
Cripple Creek & Victor Gold Mining Company

ECC:  
Dan Williams  
Lynda Morgan

## Appendix A

## Groundwater

SAMPLE LOCATION : CRMW 3A-35 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	XOI0450-01RE4
Sample Date	-	09/21/2020
Lab Test Date	-	10/08/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	6.44
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	106
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	106
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	1.01
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0283
Beryllium - Dissolved (mg/L)	0.0040	<0.000200
Boron - Dissolved (mg/L)	0.7500	0.0938
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	344
Chloride - Total (mg/L)	---	347
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.0398
Copper - Dissolved (mg/L)	0.2000	<0.00100
Cyanide - Free (mg/L)	0.2000	<0.0500
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.10
Fluoride - Total F (mg/L)	2.0000	2.85
Iron - Dissolved (mg/L)	14.0000	0.532
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	0.118
Manganese - Dissolved (mg/L)	8.1000	0.0744
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.0466
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	0.246
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	0.281
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	127
Sulfate - Total (mg/L)	250.00	831
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	1930
Total Suspended Solids (mg/L)	---	44.0
Uranium - Dissolved (mg/L)	0.0300	0.00663
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100

SAMPLE LOCATION : CRMW 3B-63 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010324-01
Sample Date	-	09/15/2020
Lab Test Date	-	10/01/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-9.00	6.96
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	166
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	166
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	0.038
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0327
Beryllium - Dissolved (mg/L)	0.0040	0.000606
Boron - Dissolved (mg/L)	0.7500	0.0742
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	372
Chloride - Total (mg/L)	---	346
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.0904
Copper - Dissolved (mg/L)	0.2000	<0.00100
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	0.0092
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.5
Fluoride - Total F (mg/L)	2.0000	2.93
Iron - Dissolved (mg/L)	14.0000	2.72
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	8.1000	15.7
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.0430
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	<0.050
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	<0.100
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	111
Sulfate - Total (mg/L)	1070.00	771
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	1880
Total Suspended Solids (mg/L)	---	11.0
Uranium - Dissolved (mg/L)	0.0300	0.0364
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	0.177

SAMPLE LOCATION : CRMW 3C-124 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010324-02
Sample Date	-	09/15/2020
Lab Test Date	-	10/01/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	6.84
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	154
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	154
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0115
Beryllium - Dissolved (mg/L)	0.0040	0.00137
Boron - Dissolved (mg/L)	0.7500	0.0689
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	392
Chloride - Total (mg/L)	---	306
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.0419
Copper - Dissolved (mg/L)	0.2000	0.00108
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	0.0065
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.62
Fluoride - Total F (mg/L)	2.0000	2.26
Iron - Dissolved (mg/L)	14.0000	0.961
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	8.1000	2.63
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.00353
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	0.415
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	0.415
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	93.5
Sulfate - Total (mg/L)	250.00	779
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	1790
Total Suspended Solids (mg/L)	---	6.0
Uranium - Dissolved (mg/L)	0.0300	0.0229
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	0.0823



SAMPLE LOCATION : CRMW 5A-205 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010400-01
Sample Date	-	09/17/2020
Lab Test Date	-	09/29/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	7.50
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	165
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	165
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0483
Beryllium - Dissolved (mg/L)	0.0040	<0.000200
Boron - Dissolved (mg/L)	0.7500	0.0570
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	91.5
Chloride - Total (mg/L)	---	13.0
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.00683
Copper - Dissolved (mg/L)	0.2000	0.00144
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.15
Fluoride - Total F (mg/L)	2.0000	1.80
Iron - Dissolved (mg/L)	14.0000	0.030
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	3.0000	0.0630
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.0361
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	0.251
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	0.251
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	34.9
Sulfate - Total (mg/L)	250.00	172
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	433
Total Suspended Solids (mg/L)	---	123
Uranium - Dissolved (mg/L)	0.0300	0.0789
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100

SAMPLE LOCATION : CRMW 5B-143 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010403-01
Sample Date	-	09/17/2020
Lab Test Date	-	09/29/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	7.41
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	112
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	112
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0177
Beryllium - Dissolved (mg/L)	0.0040	<0.000200
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	60.1
Chloride - Total (mg/L)	---	10.4
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.00342
Copper - Dissolved (mg/L)	0.2000	<0.00100
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.20
Fluoride - Total F (mg/L)	2.0000	2.83
Iron - Dissolved (mg/L)	14.0000	0.022
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	3.0000	0.275
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.00359
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	<0.050
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	<0.100
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	13.2
Sulfate - Total (mg/L)	250.00	80.4
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	222
Total Suspended Solids (mg/L)	---	6.0
Uranium - Dissolved (mg/L)	0.0300	0.00759
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100

SAMPLE LOCATION : CRMW 5C-60 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010405-01
Sample Date	-	09/17/2020
Lab Test Date	-	10/02/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	6.76
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	45.9
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	45.9
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0063
Beryllium - Dissolved (mg/L)	0.0040	<0.000200
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	26.8
Chloride - Total (mg/L)	---	7.11
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.00147
Copper - Dissolved (mg/L)	0.2000	<0.00100
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.16
Fluoride - Total F (mg/L)	2.0000	3.02
Iron - Dissolved (mg/L)	14.0000	<0.020
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	3.0000	<0.0080
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	<0.00100
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	0.095
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	<0.100
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	9.04
Sulfate - Total (mg/L)	250.00	40.5
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	109
Total Suspended Solids (mg/L)	---	<5.0
Uranium - Dissolved (mg/L)	0.0300	<0.00100
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100

SAMPLE LOCATION : CRMW 5D-27 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	09/17/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Insufficient

SAMPLE LOCATION :                      ESPMW                      Collar Elv (ft) :                      N/A                      Reporting Period                      2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010324-03
Sample Date	-	09/15/2020
Lab Test Date	-	10/01/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	7.27
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.20
No Sample Reason	---	Sample

SAMPLE LOCATION : GVMW 8A-250 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X0H0571-01
Sample Date	-	08/26/2020
Lab Test Date	-	09/09/2020
Sampled By	-	GM
pH Field (pH unit)	6.50-8.50	6.48
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	47.8
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	47.8
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	<0.0020
Beryllium - Dissolved (mg/L)	0.0040	0.000268
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	48.0
Chloride - Total (mg/L)	---	45.5
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	<0.00100
Copper - Dissolved (mg/L)	0.2000	0.00501
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	.34
Fluoride - Total F (mg/L)	2.0000	2.00
Iron - Dissolved (mg/L)	14.0000	<0.100
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	1.0000	0.0218
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.00616
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	0.879
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	0.882
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	23.2
Sulfate - Total (mg/L)	250.00	68.0
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	287
Total Suspended Solids (mg/L)	---	<5.0
Uranium - Dissolved (mg/L)	0.0300	0.00536
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100

SAMPLE LOCATION : GVMW 8B-50Collar Elv (ft) : N/AReporting Period 2020 3rd Qtr**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X0H0571-02
Sample Date	-	08/26/2020
Lab Test Date	-	09/09/2020
Sampled By	-	GM
pH Field (pH unit)	6.0-8.50	6.67
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	38.5
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	38.5
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0104
Beryllium - Dissolved (mg/L)	0.0040	0.000499
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	43.4
Chloride - Total (mg/L)	---	17.1
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	<0.00100
Copper - Dissolved (mg/L)	0.2000	0.0367
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Fluoride - Total F (mg/L)	2.0000	2.18
Iron - Dissolved (mg/L)	14.0000	<0.100
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	3.0000	<0.0080
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.00107
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	1.76
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	1.76
No Sample Reason	---	
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	0.000180
Sodium - Dissolved (mg/L)	---	24.6
Sulfate - Total (mg/L)	250.00	106
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	294
Total Suspended Solids (mg/L)	---	<5.0
Uranium - Dissolved (mg/L)	0.0300	0.00246
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100

SAMPLE LOCATION : GVMW 22A-70 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X0H0521-02
Sample Date	-	08/24/2020
Lab Test Date	-	09/08/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	7.65
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	164
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	164
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.110
Beryllium - Dissolved (mg/L)	0.0040	<0.000200
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	0.000227
Calcium - Dissolved (mg/L)	---	29.7
Chloride - Total (mg/L)	---	3.46
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	<0.00100
Copper - Dissolved (mg/L)	0.2000	<0.00100
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.18
Fluoride - Total F (mg/L)	2.0000	2.01
Iron - Dissolved (mg/L)	14.0000	<0.100
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	3.0000	0.147
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.00937
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	<0.050
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	<0.100
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	36.0
Sulfate - Total (mg/L)	250.00	31.8
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	235
Total Suspended Solids (mg/L)	---	<5.0
Uranium - Dissolved (mg/L)	0.0300	0.00374
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100



SAMPLE LOCATION : GVMW 22B-30 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X0H0521-03
Sample Date	-	08/24/2020
Lab Test Date	-	09/08/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	6.45
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	74.3
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	74.3
Aluminium - Dissolved (mg/L)	7.0000	0.563
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0534
Beryllium - Dissolved (mg/L)	0.0040	0.000222
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	0.00404
Calcium - Dissolved (mg/L)	---	33.2
Chloride - Total (mg/L)	---	9.95
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.00531
Copper - Dissolved (mg/L)	0.2000	0.00475
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.48
Fluoride - Total F (mg/L)	2.0000	0.360
Iron - Dissolved (mg/L)	14.0000	<0.100
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	3.0000	0.507
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	<0.00100
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	0.529
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	0.529
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	20.2
Sulfate - Total (mg/L)	250.00	70.6
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	225
Total Suspended Solids (mg/L)	---	<5.0
Uranium - Dissolved (mg/L)	0.0300	0.00165
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	0.0731

SAMPLE LOCATION : GVMW-25 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X0H0521-01
Sample Date	-	08/24/2020
Lab Test Date	-	09/08/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	7.52
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	127
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	127
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0646
Beryllium - Dissolved (mg/L)	0.0040	<0.000200
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	73.2
Chloride - Total (mg/L)	---	7.45
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.00325
Copper - Dissolved (mg/L)	0.2000	<0.00100
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.04
Fluoride - Total F (mg/L)	2.0000	0.623
Iron - Dissolved (mg/L)	14.0000	<0.100
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	3.0000	0.0304
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.00283
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	1.24
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	1.24
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	20.7
Sulfate - Total (mg/L)	250.00	164
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	427
Total Suspended Solids (mg/L)	---	73.0
Uranium - Dissolved (mg/L)	0.0300	0.00309
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100

SAMPLE LOCATION : PGMW-2 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/04/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Dry

SAMPLE LOCATION : PGMW-3 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X0H0594-01
Sample Date	-	08/27/2020
Lab Test Date	-	09/09/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	3.83
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	102
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	<1.0
Aluminium - Dissolved (mg/L)	7.0000	16.8
Ammonia (mg/L)	---	0.044
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0276
Beryllium - Dissolved (mg/L)	0.0040	0.00116
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	0.0135
Calcium - Dissolved (mg/L)	---	135
Chloride - Total (mg/L)	---	30.3
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.0601
Copper - Dissolved (mg/L)	0.2000	1.29
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.03
Fluoride - Total F (mg/L)	2.0000	2.51
Iron - Dissolved (mg/L)	14.0000	0.923
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	3.0000	10.7
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	<0.00100
Nickel - Dissolved (mg/L)	0.2000	0.125
Nitrate as Nitrogen (mg/L)	10.0000	11.4
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	11.4
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	16.4
Sulfate - Total (mg/L)	250.00	523
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	915
Total Suspended Solids (mg/L)	---	43.0
Uranium - Dissolved (mg/L)	0.0300	0.00273
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	1.51

SAMPLE LOCATION : PGMW-4 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/04/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Dry

SAMPLE LOCATION : SGMW-5 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/04/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Dry

SAMPLE LOCATION : SGMW 6A-400 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/04/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Dry

SAMPLE LOCATION : SGMW 6B-60

Collar Elv (ft) : N/A

Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010001-01
Sample Date	-	08/31/2020
Lab Test Date	-	09/16/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-8.50	6.07
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	202
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	202
Aluminium - Dissolved (mg/L)	7.0000	0.263
Ammonia (mg/L)	---	0.065
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0124
Beryllium - Dissolved (mg/L)	0.0040	0.0516
Boron - Dissolved (mg/L)	0.7500	0.0902
Cadmium - Dissolved (mg/L)	0.0050	0.000790
Calcium - Dissolved (mg/L)	---	377
Chloride - Total (mg/L)	---	137
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.0159
Copper - Dissolved (mg/L)	0.2000	0.00213
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.52
Fluoride - Total F (mg/L)	2.0000	7.24
Iron - Dissolved (mg/L)	14.0000	12.2
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	0.188
Manganese - Dissolved (mg/L)	3.0000	6.54
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.00159
Nickel - Dissolved (mg/L)	0.2000	0.0252
Nitrate as Nitrogen (mg/L)	10.0000	<0.050
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	<0.100
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	51.9
Sulfate - Total (mg/L)	250.00	904
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	1810
Total Suspended Solids (mg/L)	---	49.0
Uranium - Dissolved (mg/L)	0.0300	0.00310
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	0.0954



SAMPLE LOCATION : SGMW 7A-400 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/04/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Dry

SAMPLE LOCATION : SGMW 7B-60 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/31/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Insufficient

SAMPLE LOCATION : VIN 2A-270 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/26/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Insufficient

SAMPLE LOCATION : VIN 2B-140 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010277-01
Sample Date	-	09/14/2020
Lab Test Date	-	09/29/2020
Sampled By	-	GM
pH Field (pH unit)	6.50-8.50	6.97
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	66.7
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	66.7
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0097
Beryllium - Dissolved (mg/L)	0.0040	<0.000200
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	192
Chloride - Total (mg/L)	---	9.26
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	0.00729
Copper - Dissolved (mg/L)	0.2000	<0.00100
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.25
Fluoride - Total F (mg/L)	2.0000	0.136
Iron - Dissolved (mg/L)	14.0000	0.487
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	4.0000	2.42
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	<0.00100
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	<0.050
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	<0.100
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	32.1
Sulfate - Total (mg/L)	800.00	698
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	988
Total Suspended Solids (mg/L)	---	5.0
Uranium - Dissolved (mg/L)	0.0300	<0.00100
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	0.0155

SAMPLE LOCATION : WCMW 3-134 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010079-02
Sample Date	-	09/02/2020
Lab Test Date	-	09/18/2020
Sampled By	-	GM
pH Field (pH unit)	6.00-9.00	7.45
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	16.2
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	207
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	207
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	<0.030
Arsenic - Dissolved (mg/L)	0.0100	<0.00300
Barium - Dissolved (mg/L)	2.0000	0.0662
Beryllium - Dissolved (mg/L)	0.0040	<0.000200
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	59.8
Chloride - Total (mg/L)	---	1.05
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	<0.00100
Copper - Dissolved (mg/L)	0.2000	<0.00100
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.23
Fluoride - Total F (mg/L)	2.0000	0.701
Iron - Dissolved (mg/L)	14.0000	<0.100
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	0.5000	0.0529
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.00325
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	<0.050
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	<0.100
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	0.00328
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	9.90
Sulfate - Total (mg/L)	250.00	23.0
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	235
Total Suspended Solids (mg/L)	---	5.0
Uranium - Dissolved (mg/L)	0.0300	0.00626
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100

SAMPLE LOCATION : WCMW 6-234 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	SVL Analytical,
Lab Reference #	-	X010079-01
Sample Date	-	09/02/2020
Lab Test Date	-	09/18/2020
Sampled By	-	GM
pH Field (pH unit)	6.50-8.50	6.76
Acidity, Total as CaCO <sub>3</sub> (mg/L)	---	<10.0
Alkalinity - Bicarbonate as CaCO <sub>3</sub> (mg/L)	---	125
Alkalinity - Carbonate as CaCO <sub>3</sub> (mg/L)	---	<1.0
Alkalinity - Total as CaCO <sub>3</sub> (mg/L)	---	125
Aluminium - Dissolved (mg/L)	7.0000	<0.080
Ammonia (mg/L)	---	0.032
Arsenic - Dissolved (mg/L)	0.0100	0.00386
Barium - Dissolved (mg/L)	2.0000	0.0379
Beryllium - Dissolved (mg/L)	0.0040	<0.000200
Boron - Dissolved (mg/L)	0.7500	<0.0400
Cadmium - Dissolved (mg/L)	0.0050	<0.000200
Calcium - Dissolved (mg/L)	---	58.8
Chloride - Total (mg/L)	---	2.09
Chromium - Dissolved (mg/L)	0.1000	<0.0060
Cobalt - Dissolved (mg/L)	0.0500	<0.00100
Copper - Dissolved (mg/L)	0.2000	<0.00100
Cyanide - Free (mg/L)	0.2000	<0.0050
Cyanide - Total (mg/L)	---	<0.0050
Cyanide - WAD (mg/L)	0.2000	<0.0100
Flow (gpm)	---	0.23
Fluoride - Total F (mg/L)	2.0000	1.86
Iron - Dissolved (mg/L)	14.0000	1.05
Lead - Dissolved (mg/L)	0.0500	<0.00300
Lithium - Dissolved (mg/L)	2.5000	<0.040
Manganese - Dissolved (mg/L)	0.5000	0.181
Mercury - Dissolved (mg/L)	0.002	<0.000200
Molybdenum - Dissolved (mg/L)	0.2100	0.00880
Nickel - Dissolved (mg/L)	0.2000	<0.0100
Nitrate as Nitrogen (mg/L)	10.0000	<0.050
Nitrite as Nitrogen (mg/L)	1.0000	<0.050
Nitrite + Nitrate as Nitrogen (mg/L)	11.0000	<0.100
No Sample Reason	---	Sample
Selenium - Dissolved (mg/L)	0.0240	<0.00300
Silver - Dissolved (mg/L)	0.0500	<0.000100
Sodium - Dissolved (mg/L)	---	18.0
Sulfate - Total (mg/L)	250.00	51.9
Thallium - Dissolved (mg/L)	0.0020	<0.00100
Total Dissolved Solids (mg/L)	---	242
Total Suspended Solids (mg/L)	---	<5.0
Uranium - Dissolved (mg/L)	0.0300	0.00110
Vanadium - Dissolved (mg/L)	0.1000	<0.0050
Zinc - Dissolved (mg/L)	2.0000	<0.0100

## Surface Water

SAMPLE LOCATION : AG 2.0 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	09/14/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Dry



SAMPLE LOCATION : GV-02 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/04/2020
Lab Test Date	-	
Sampled By	-	RP
No Sample Reason	---	Dry

SAMPLE LOCATION : GV-03 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/04/2020
Lab Test Date	-	
Sampled By	-	RP
No Sample Reason	---	Dry

SAMPLE LOCATION :                      WCSW-01                      Collar Elv (ft) :                      N/A                      Reporting Period                      2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	09/02/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Dry

SAMPLE LOCATION : T2 Collar Elv (ft) : N/A Reporting Period 2020 3rd Qtr

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**Results of Profile / Analyses**

Description	Standards	3rd Qtr
Name of Certified Lab	(mg/L)*	Field
Lab Reference #	-	
Sample Date	-	08/04/2020
Lab Test Date	-	
Sampled By	-	GM
No Sample Reason	---	Dry

## Graphs















