



Suite 507-700 W. Pender Street,  
Vancouver, BC V6C 1G8  
CANADA  
Tel: +1.778.379.1433

July 2<sup>nd</sup>, 2022

Richard Dwyer  
Manager of Licencing  
Nunavut Water Board  
PO Box 119  
Gjoa Haven, NU  
X0B 1J0

Dear Mr. Dwyer,

**Re. 2BM-ULU2030 Part J Item 14 – Monthly Monitoring Program, June 2022**

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Further to Part J Item 14 of 2BM-ULU2030, Blue Star Gold Corp. (Blue Star) is pleased to provide the following in fulfillment of monthly monitoring requirements during periods of site activity. Activities commenced/ongoing at Ulu throughout June included camp operations, compliance monitoring, waste management and exploration including diamond drilling. Results for monitoring stations listed in Table 1 are provided in Tables 2 and 3.

*Table 1. Applicable monitoring stations, June 2022*

Station ID	Station Description	Comment
ULU-1	Water Intake at West Lake	See Table 2
ULU-2	Sewage effluent discharge point	Inactive, facility decommissioned
ULU-3	Sewage treatment facility sludge	Inactive, facility decommissioned
ULU-4	Minewater pumped from underground Mine Sump	Not discharging
ULU-4b	Surface retention pond	Not discharging
ULU-5	Settling/Neutralization Pond 1	Pond not constructed
ULU-6	Settling/Neutralization Pond 1	Pond not constructed
ULU-7	Runoff from the waste rock storage area	See Table 3
ULU-8	Runoff from the ore storage area	See Table 3
ULU-9	Outflow East Lake	See Table 3
ULU-10	Inflow Ulu Lake from East Lake	Inactive, facility decommissioned
ULU-11	Outflow Ulu Lake	See Table 3
ULU-12	Domestic water intake for new camp	New camp not constructed
ULU-13	Soil treatment facility water holding pond	Facility not yet constructed
ULU-14	Bulk fuel storage facility	Temporarily withdrawn from service
ULU-15	Landfill facility	No run-off observed
MW-1, -2, -3	Monitoring wells at soil treatment facility.	Facility not constructed; wells not installed

Table 2. ULU-1 Daily volume, June 2022 (domestic and drilling water use).

Date	Volume (m <sup>3</sup> )			
	Domestic	Drilling	Core cutting*	Daily Total
1	0	0	-	0
2	1.5	0	-	1.5
3	0	0	-	0
4	1.5	0	-	1.5
5	0	0	-	0
6	0	0	-	0
7	3.55	0	-	3.55
8	0	0	-	0
9	2.9	0	-	2.9
10	3.16	0	-	3.16
11	2.95	0	-	2.95
12	0	0	-	0
13	3.37	0	-	3.37
14	0	0	-	0
15	3	0	-	3
16	3.17	0	-	3.17
17	2.75	0	-	2.75
18	1.79	32.03	-	33.82
19	4.46	0	-	4.46
20	3.73	41.24	-	44.97
21	2.22	44.89	-	47.11
22	1.92	37.48	-	39.4
23	2.38	0	-	2.38
24	2.35	45.7	-	48.05
25	4.46	45.8	-	50.26
26	2.29	28.68	-	30.97
27	13.67	41.05	-	54.72
28	2.44	30.26	-	32.7
29	3	31.28	-	34.28
30	1.37	0	-	1.37

\*Core cutting water is included in the domestic extraction

Table 3. Results for ULU-7, ULU-8, ULU-9, ULU-11, and ULU-15, June 2022.

	Units	Detection Limits	ULU-7	ULU-8	ULU-9	ULU-11	ULU-15
<b>Date</b>			June 6 <sup>th</sup> , 2022	June 7 <sup>th</sup> , 2022	June 7 <sup>th</sup> , 2022	June 7 <sup>th</sup> , 2022	-
<b>Flow</b>	<b>L/sec</b>		0.267	0	120	4500	-
<b>pH</b>	<b>Field</b>		8.11	7.20	7.69	7.55	-
	<b>Lab</b>		6.63	6.46	6.28	6.14	-
<b>Conductivity</b>	<b>uS/cm</b>		110	320	55	26	-
<b>Total Suspended Solids</b>	<b>mg/L</b>	<b>1.0</b>	1.7	2.6	<0.97	<0.99	-
<b>Alkalinity (PP as CaCO3)</b>	<b>mg/L</b>	<b>1.0</b>	<1.0	<1.0			-
<b>Alkalinity (Total as CaCO3)</b>	<b>mg/L</b>	<b>1.0</b>	22	20			-
<b>Dissolved Chloride (Cl)</b>	<b>mg/L</b>	<b>1.0</b>	<1.0	9.4			-
<b>Dissolved Sulphate (SO4)</b>	<b>mg/L</b>	<b>1.0</b>					-
<b>Fecal Coliforms</b>	<b>MPN/100mL</b>				<1	<1	-
<b>Total Ammonia (N)</b>	<b>mg/L</b>	<b>0.015</b>	<0.015	<0.015			-
<b>Dissolved Nitrite (N)</b>	<b>mg/L</b>	<b>0.010</b>	<0.010	<0.010			-
<b>Dissolved Nitrate (N)</b>	<b>mg/L</b>	<b>0.010</b>	0.14	0.79			-
<b>Turbidity</b>	<b>NTU</b>	<b>0.10</b>	3.7	0.86			-
<b>Total Mercury (Hg)</b>	<b>ug/L</b>	<b>0.0019</b>	0.0023	0.0073	0.0036	0.0019	-
<b>Total Arsenic (As)</b>	<b>ug/L</b>	<b>0.020</b>	3.44	1.74	0.219	0.049	-
<b>Total Cadmium (Cd)</b>	<b>ug/L</b>	<b>0.0050</b>	0.0140	0.0732	0.0131	<0.0050	-
<b>Total Copper (Cu)</b>	<b>ug/L</b>	<b>0.0050</b>	4.74	3.03	1.94	2.15	-
<b>Total Lead (Pb)</b>	<b>ug/L</b>	<b>0.0050</b>	0.314	0.0251	0.0139	0.0083	-
<b>Total Nickel (Ni)</b>	<b>ug/L</b>	<b>0.020</b>	2.30	7.84	2.06	2.79	-
<b>Total Zinc (Zn)</b>	<b>ug/L</b>	<b>0.10</b>	5.79	46.0	7.16	2.45	-
<b>F2 (C10-C16 Hydrocarbons)</b>	<b>mg/L</b>	<b>0.10</b>					-
<b>F3 (C16-C34 Hydrocarbons)</b>	<b>mg/L</b>	<b>0.10</b>					-
<b>F4 (C34-C50 Hydrocarbons)</b>	<b>mg/L</b>	<b>0.20</b>					-
<b>Benzene</b>	<b>ug/L</b>	<b>0.40</b>					-
<b>Toluene</b>	<b>ug/L</b>	<b>0.40</b>					-
<b>Ethylbenzene</b>	<b>ug/L</b>	<b>0.40</b>					-
<b>m &amp; p-Xylene</b>	<b>ug/L</b>	<b>0.80</b>					-
<b>o-Xylene</b>	<b>ug/L</b>	<b>0.40</b>					-
<b>Xylenes (Total)</b>	<b>ug/L</b>	<b>0.89</b>					-
<b>F1 (C6-C10) - BTEX</b>	<b>ug/L</b>	<b>100</b>					-
<b>F1 (C6-C10)</b>	<b>ug/L</b>	<b>100</b>					-

Should you have any questions about this report, don't hesitate to reach out.

Regards,

Liam West

Environmental Technician

Blue Star Gold Corp.

enviro@bluestargold.ca

778-379-1433

cc. T. Bolt, Kitikmeot Inuit Association  
B. Pedersen, Crown-Indigenous Relations and Northern Affairs Canada  
S. Kuflevskiy, Nunavut Water Board  
D. Lindsay, Blue Star Gold Corp.