

**From:** dave drwgcl.com <[dave@drwgcl.com](mailto:dave@drwgcl.com)>  
**Sent:** Wednesday, November 10, 2021 1:48 PM  
**To:** Shannon Allerston <[sallerston@mvlwb.com](mailto:sallerston@mvlwb.com)>  
**Subject:** Water License Exceedance

Shannon

We received our results for samples collected in October. Most sites were frozen or dry, but we did get samples from down gradient of our waste piles at SNP-09, and an added site at SNP-09a as well as SNP-12 which is our down-gradient from our site. Our SNP-09 had elevated ammonia and zinc, quite different from our earlier samples and the SNP-09a site. I have notified David-Scott McQuinn.

It is possibly due to breaking the ice to collect the SNP-09 sample, however it is also likely that explosive residue contributed to the high ammonia. I have no explanation for ideas as to why there is elevated zinc. Our ores have moderately elevated zinc, but we did not extract any ores, and the waste rock and gravels that had been used to block the portal does not have elevated zinc.

# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

December 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

No activities, no samples collected.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.

*Table 1. Summary of SNP Program activities*

SNP STN	Date	Data	Collected
SNP-01	8-2021		No activities
SNP-02	8-2021		No activities
SNP-03a	8-2021		No activities
SNP-04	8-2021		No activities
SNP-05	8-2021		No activities
SNP-06	8-2021		No activities
SNP-07	8-2021		No activities
SNP-08	8-2021		No activities
SNP-09	8-2021		No activities
SNP-10	8-2021		No activities
SNP-11	8-2021		No activities
SNP-12	8-2021		No activities
SNP-13	8-2021		No activities
SNP-14	8-2021		No activities
SNP-15	8-2021		No activities
SNP-16	8-2021		No activities
SNP-17	8-2021		No activities
SNP-18	8-2021		No activities
SNP-19	8-2021		No activities
SNP-20	8-2021		No activities
SNP-21	8-2021		No activities
SNP-22	8-2021		No activities

## QA/QC

No activities

- b. Graphical results of the analytical results for samples compared to Effluent Criteria under Part F of this license. No activities.

c) Actions taken in response to any exceedances.

No activities, no samples.

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

No activities, no samples.

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 2. Location of all SNP sites (from Groundwater and Water Management Plan).

SNP	Easting	Northing	Description	Rationale
SNP-01	635811.5376	6977310.049	Sewage Treatment Plant Effluent	To monitor the quality and quantity of treated Sewage being disposed from the Sewage Treatment System
SNP-02	635719.9015	6977561.717	Monitoring trench, immediately downstream of the Dry Stack Tailings Facility	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03a	635482.7263	6977466.707	Monitoring trench, down slope of Dry Stack Tailings Facility – First Narrows	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03b	635469.9287	6977469.056	Monitoring trench, down slope of Dry Stack Tailings Facility – Culvert	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-04	635716.5372	6977560.698	Seepage from the Dry Stack Tailings Facility	To monitor the quality and quantity of Seepage from the Dry Stack Tailings Facility

SNP-05	635621.5286	6977632.123	Background Well - Upgradient of the Dry Stack Tailings Facility	To establish background water quality before operation of the Dry Stack Tailings Facility and to monitor upgradient Water quality once the Dry Stack Tailings Facility is operational.
SNP-06a	635727.6526	6977502.42	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-06b	635491.1453	6977464.347	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-07			Underground Minewater Sump(s)	To monitor the quantity and quality of groundwater and mine Water collected in the underground sump prior to discharge to the surface
SNP-08	635781.5557	6977103.871	Minewater holding tank or pond	To monitor the quantity and quality of mine Water prior to discharge to the Receiving Environment
SNP-09	635813.5578	6977130.145	Seepage from Waste rock pile(s)	To monitor the quality and quantity of Seepage from the Waste rock pile(s)
SNP-10	635841.5194	6977074.557	Seepage from ore stockpile(s)	To monitor the quality and quantity of Seepage from the ore stockpile(s)
SNP-11	635917.6533	6977045.243	Freshwater in Discovery Lake	To monitor water use
SNP-12	635932.5783	6977101.731	Discovery Lake	To monitor impacts of runoff and Discharge from the Project on Water quality in Discovery Lake
SNP-13	642894.9157	6947940.977	Prosperous Lake	To monitor water use
SNP-14	638774.8301	6973931.416	Sito Lake	To monitor water use
SNP-15	641258.1981	6953048.757	Bluefish Lake	To monitor water use

SNP-16	639085.2532	6964534.219	Quayta Lake	To monitor water use
SNP-17	636024.7339	6974998.439	Lake A (T-Bone)	To monitor water use
SNP-18	636145.2634	6974985.342	Lake B (Bone)	To monitor water use
SNP-19	636136.8196	6975393.639	Lake C (565)	To monitor water use
SNP-20	636689.1345	6975138.341	Lake D (SZ)	To monitor water use
SNP-21	635970	6976850	Explosives Mag	To monitor waters draining EM
SNP-22	635630	6977240	Road	To monitor drainage from road

f) A tabular summary of cumulative water usage in cubic metres.

Date	Water in Camp	Water in Mine	Other Water	comment	Total Water Used	Cumulative
Nov-20	0	0	0	inactive	0	0
Dec-20	0	0	0	Inactive	0	0
Jan-21						
Feb-21						
Mar-21						
Apr-21						
May-21						
Jun-21						
Jul-21						
Aug-21						
Sep-21						
Oct-21						

# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

January 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

No activities, no samples collected.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.

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SNP-06	8-2021		No activities
SNP-07	8-2021		No activities
SNP-08	8-2021		No activities
SNP-09	8-2021		No activities
SNP-10	8-2021		No activities
SNP-11	8-2021		No activities
SNP-12	8-2021		No activities
SNP-13	8-2021		No activities
SNP-14	8-2021		No activities
SNP-15	8-2021		No activities
SNP-16	8-2021		No activities
SNP-17	8-2021		No activities
SNP-18	8-2021		No activities
SNP-19	8-2021		No activities
SNP-20	8-2021		No activities
SNP-21	8-2021		No activities
SNP-22	8-2021		No activities

## QA/QC

No activities

- b. Graphical results of the analytical results for samples compared to Effluent Criteria under Part F of this license. No activities.

c) Actions taken in response to any exceedances.

No activities, no samples.

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

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Dec-20	0	0	0	Inactive	0	0
Jan-21						
Feb-21						
Mar-21						
Apr-21						
May-21						
Jun-21						
Jul-21						
Aug-21						
Sep-21						
Oct-21						

# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

September 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

A winter road was constructed by CJ Contracting Ltd. of Yellowknife. Water was drawn from Prosperous, Bluefish, Quayta, Sito, and Discovery Lakes.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.
  - a. Electronic summary attached in xlsx format.

*Table 1. Summary of SNP Program activities*

SNP STN	Date	Data	Collected
SNP-01	8-2021	Table 2. SNP-01	YES
SNP-02			No water
SNP-03a	8-2021	Table 3. SNP-03a	YES
SNP-04			No water
SNP-05			No water
SNP-06			No water
SNP-07			No water
SNP-08			Does not exist
SNP-09	8-2021	Table 4. SNP-09	YES
SNP-10			No water
SNP-11			No water
SNP-12	8-2021	Table 5. SNP-12	YES
SNP-13			No activities
SNP-14			No activities
SNP-15			No activities
SNP-16			No activities
SNP-17			No activities
SNP-18			No activities
SNP-19			No activities
SNP-20			No activities
SNP-21			No water
SNP-22			No water

Table 2. SNP-01

Parameter	Values	Maximum Average Concentration
pH	7.81	Value to be >6.0
CBOD5	<6.3 mg/L	25 mg/L
TSS	14 mg/L	25 mg/L
Un-ionized Ammonia	1.16 mg/L*	1.25 mg/L
Fecal Coliform	>2,400 MPN/100 ml	1000 CFU/100 mL
Oil and Grease	1.1 mg/L	5.0 mg/L

<https://www.svl.net/unionized-amonia-calculator/> T=16°C

Table 3. SNP-03a

Parameter	Value	Maximum Average Concentration (mg/L)	Maximum Grab Concentration (mg/L)
pH	6.10	Value to be >6.0 and <9.5	Value to be >6.0 and <9.5
Ammonia	0.024 mg/L	-	5.9
Arsenic	0.004 mg/L	0.5	1.0
Copper	0.006 mg/L	0.3	0.6
Cyanide	NA	1.0	2.0
Lead	0.002 mg/L	0.2	0.4
Nickel	0.006 mg/L	0.5	1.0
Radium-226	NA	0.37 Bq/L	1.11 Bq/L
TSS / Turbidity	75	15	30
Zinc	0.009 mg/L	0.5	1.0

Table 4. SNP-09

Parameter	Value	Maximum Average Concentration (mg/L)	Maximum Grab Concentration (mg/L)
pH	7.00	Value to be >6.0 and <9.5	Value to be >6.0 and <9.5
Ammonia	0.024 mg/L	-	5.9
Arsenic	0.004 mg/L	0.5	1.0
Copper	0.004 mg/L	0.3	0.6
Cyanide	NA	1.0	2.0
Lead	0.0004 mg/L	0.2	0.4
Nickel	0.161 mg/L	0.5	1.0
Radium-226	NA	0.37 Bq/L	1.11 Bq/L
TSS / Turbidity	3.9	15	30
Zinc	0.947 mg/L	0.5	1.0

Table 5. SNP-12

Parameter	Value	Maximum Short Term Concentration (mg/L)	Maximum Long Term Concentration (mg/L)
pH	7.45	Value to be >6.0 and <9.5	Value to be >6.0 and <9.5

Ammonia	0.025	-	
Arsenic	0.001	0.5	
Copper	0.002	No data	Equation (0.002)
Cyanide	NA	No data	0.005 (free CN)
Lead	0.0002	No data	Equation (0.001)
Nickel	0.002	No data	Equation (0.025)
Radium-226	NA	0.37 Bq/L	
TSS / Turbidity	NA	No data	No data
Zinc	0.004	Equation (0.040)	Equation (0.027)

SNP-02, 03b, and 04, were not sampled as no milling has occurred and no tailings have been generated or occur at these sites. SNP-05, 06a, 06b, 07, 08, 10, and 22 do not exist yet. SNP-13, 14, 15, 16, 17, 18, 19, 20 were not used. SNP-21 has no water and alternative sites are being investigated.

### QA/QC

All water sampled were collected according to the specification from the laboratory on the sheets in Appendix A and the COC was maintained.

Table 6. QA/QC from job C160999, Bureau Veritas Laboratories.

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A326335	JEB	RPD	E.Coli DST	2021/08/21	NC		%	N/A
			Total Coliforms DST	2021/08/21	NC		%	N/A
A327206	JEB	Spiked Blank	Turbidity	2021/08/21		102	%	80 - 120
A327206	JEB	Method Blank	Turbidity	2021/08/21	<0.10		NTU	
A327206	JEB	RPD	Turbidity	2021/08/21	1.8		%	20
A327363	PK8	Spiked Blank	Dissolved Biochemical Oxygen Demand	2021/08/27		101	%	85 - 115
A327363	PK8	Method Blank	Dissolved Biochemical Oxygen Demand	2021/08/27	<2.0		mg/L	
A327363	PK8	RPD [AEE902-02]	Dissolved Biochemical Oxygen Demand	2021/08/27	NC		%	20
A327366	PK8	Spiked Blank	Biochemical Oxygen Demand (inhib.)	2021/08/27		91	%	85 - 115
A327366	PK8	Method Blank	Biochemical Oxygen Demand (inhib.)	2021/08/27	<2.0		mg/L	
A327366	PK8	RPD [AEE904-02]	Biochemical Oxygen Demand (inhib.)	2021/08/26	NC		%	20
A327501	JEB	RPD [AEE902-08]	Fecal Coliforms	2021/08/22	NC		%	N/A
A327621	JEB	Spiked Blank	Turbidity	2021/08/22		102	%	80 - 120
A327621	JEB	Method Blank	Turbidity	2021/08/22	<0.10		NTU	
A327621	JEB	RPD	Turbidity	2021/08/22	1.8		%	20
A327833	JB9	Matrix Spike [AEE902-06]	Total Oil and grease	2021/08/23		100	%	70 - 130
A327833	JB9	Spiked Blank	Total Oil and grease	2021/08/23		97	%	70 - 130
A327833	JB9	Method Blank	Total Oil and grease	2021/08/23	<1.0		mg/L	
A327833	JB9	RPD	Total Oil and grease	2021/08/23	13		%	40
A329997	KD9	Spiked Blank	pH	2021/08/24		99	%	97 - 103
A329997	KD9	RPD	pH	2021/08/24	1.1		%	N/A
A330201	PC5	Spiked Blank	Dissolved Aluminum (Al)	2021/08/24		87	%	80 - 120
			Dissolved Antimony (Sb)	2021/08/24		107	%	80 - 120

			Dissolved Arsenic (As)	2021/08/24		95	%	80 - 120
			Dissolved Barium (Ba)	2021/08/24		90	%	80 - 120
			Dissolved Beryllium (Be)	2021/08/24		104	%	80 - 120
			Dissolved Bismuth (Bi)	2021/08/24		100	%	80 - 120
			Dissolved Boron (B)	2021/08/24		121 (1)	%	80 - 120
			Dissolved Cadmium (Cd)	2021/08/24		92	%	80 - 120
			Dissolved Chromium (Cr)	2021/08/24		105	%	80 - 120
			Dissolved Cobalt (Co)	2021/08/24		102	%	80 - 120
			Dissolved Copper (Cu)	2021/08/24		90	%	80 - 120
			Dissolved Iron (Fe)	2021/08/24		109	%	80 - 120
			Dissolved Lithium (Li)	2021/08/24		102	%	80 - 120
			Dissolved Manganese (Mn)	2021/08/24		106	%	80 - 120
			Dissolved Molybdenum (Mo)	2021/08/24		94	%	80 - 120
			Dissolved Nickel (Ni)	2021/08/24		104	%	80 - 120
			Dissolved Phosphorus (P)	2021/08/24		87	%	80 - 120
			Dissolved Selenium (Se)	2021/08/24		101	%	80 - 120
			Dissolved Silicon (Si)	2021/08/24		80	%	80 - 120
			Dissolved Silver (Ag)	2021/08/24		114	%	80 - 120
			Dissolved Strontium (Sr)	2021/08/24		91	%	80 - 120
			Dissolved Thallium (Tl)	2021/08/24		96	%	80 - 120
			Dissolved Tin (Sn)	2021/08/24		107	%	80 - 120
			Dissolved Titanium (Ti)	2021/08/24		85	%	80 - 120
			Dissolved Uranium (U)	2021/08/24		96	%	80 - 120
			Dissolved Vanadium (V)	2021/08/24		103	%	80 - 120
			Dissolved Zinc (Zn)	2021/08/24		116	%	80 - 120
			Dissolved Zirconium (Zr)	2021/08/24		88	%	80 - 120
A330201	PC5	Method Blank	Dissolved Aluminum (Al)	2021/08/24	<0.50		ug/L	
			Dissolved Antimony (Sb)	2021/08/24	<0.020		ug/L	
			Dissolved Arsenic (As)	2021/08/24	<0.020		ug/L	
			Dissolved Barium (Ba)	2021/08/24	<0.020		ug/L	
			Dissolved Beryllium (Be)	2021/08/24	<0.010		ug/L	
			Dissolved Bismuth (Bi)	2021/08/24	<0.0050		ug/L	
			Dissolved Boron (B)	2021/08/24	<10		ug/L	
			Dissolved Cadmium (Cd)	2021/08/24	<0.0050		ug/L	
			Dissolved Chromium (Cr)	2021/08/24	<0.10		ug/L	
			Dissolved Cobalt (Co)	2021/08/24	<0.0050		ug/L	
			Dissolved Copper (Cu)	2021/08/24	<0.050		ug/L	
			Dissolved Iron (Fe)	2021/08/24	<1.0		ug/L	
			Dissolved Lithium (Li)	2021/08/24	<0.50		ug/L	
			Dissolved Manganese (Mn)	2021/08/24	<0.050		ug/L	
			Dissolved Molybdenum (Mo)	2021/08/24	<0.050		ug/L	
			Dissolved Nickel (Ni)	2021/08/24	<0.020		ug/L	
			Dissolved Phosphorus (P)	2021/08/24	<2.0		ug/L	

			Dissolved Selenium (Se)	2021/08/24	<0.040		ug/L	
			Dissolved Silicon (Si)	2021/08/24	<50		ug/L	
			Dissolved Silver (Ag)	2021/08/24	<0.0050		ug/L	
			Dissolved Strontium (Sr)	2021/08/24	<0.050		ug/L	
			Dissolved Thallium (Tl)	2021/08/24	<0.0020		ug/L	
			Dissolved Tin (Sn)	2021/08/24	<0.20		ug/L	
			Dissolved Titanium (Ti)	2021/08/24	<0.50		ug/L	
			Dissolved Uranium (U)	2021/08/24	<0.0020		ug/L	
			Dissolved Vanadium (V)	2021/08/24	<0.20		ug/L	
			Dissolved Zinc (Zn)	2021/08/24	<0.10		ug/L	
			Dissolved Zirconium (Zr)	2021/08/24	<0.10		ug/L	
A330201	PC5	RPD	Dissolved Aluminum (Al)	2021/08/24	NC		%	20
			Dissolved Antimony (Sb)	2021/08/24	NC		%	20
			Dissolved Arsenic (As)	2021/08/24	NC		%	20
			Dissolved Barium (Ba)	2021/08/24	NC		%	20
			Dissolved Bismuth (Bi)	2021/08/24	NC		%	20
			Dissolved Boron (B)	2021/08/24	NC		%	20
			Dissolved Cadmium (Cd)	2021/08/24	NC		%	20
			Dissolved Chromium (Cr)	2021/08/24	NC		%	20
			Dissolved Iron (Fe)	2021/08/24	NC		%	20
			Dissolved Lithium (Li)	2021/08/24	NC		%	20
			Dissolved Manganese (Mn)	2021/08/24	NC		%	20
			Dissolved Molybdenum (Mo)	2021/08/24	NC		%	20
			Dissolved Nickel (Ni)	2021/08/24	NC		%	20
			Dissolved Selenium (Se)	2021/08/24	NC		%	20
			Dissolved Silicon (Si)	2021/08/24	NC		%	20
			Dissolved Silver (Ag)	2021/08/24	NC		%	20
			Dissolved Strontium (Sr)	2021/08/24	NC		%	20
			Dissolved Thallium (Tl)	2021/08/24	1.0		%	20
			Dissolved Tin (Sn)	2021/08/24	NC		%	20
			Dissolved Titanium (Ti)	2021/08/24	NC		%	20
			Dissolved Vanadium (V)	2021/08/24	NC		%	20
			Dissolved Zinc (Zn)	2021/08/24	6.6		%	20
			Dissolved Zirconium (Zr)	2021/08/24	NC		%	20
A330604	QNG	Matrix Spike	Total Suspended Solids	2021/08/25		108	%	80 - 120
A330604	QNG	Spiked Blank	Total Suspended Solids	2021/08/25		106	%	80 - 120
A330604	QNG	Method Blank	Total Suspended Solids	2021/08/25	<1.0		mg/L	
A330604	QNG	RPD	Total Suspended Solids	2021/08/25	5.7		%	20
A332176	AP1	Matrix Spike	Total Suspended Solids	2021/08/26		97	%	80 - 120
A332176	AP1	Spiked Blank	Total Suspended Solids	2021/08/26		95	%	80 - 120
A332176	AP1	Method Blank	Total Suspended Solids	2021/08/26	<1.0		mg/L	
A332176	AP1	RPD	Total Suspended Solids	2021/08/26	NC		%	20
A334254	JFH	Matrix Spike	Total Ammonia (N)	2021/08/27		91	%	80 - 120

A334254	JFH	Spiked Blank	Total Ammonia (N)	2021/08/27		100	%	80 - 120
A334254	JFH	Method Blank	Total Ammonia (N)	2021/08/27	<0.015		mg/L	
A334254	JFH	RPD	Total Ammonia (N)	2021/08/27	NC		%	20
A336194	JFH	Matrix Spike	Total Ammonia (N)	2021/08/30		84	%	80 - 120
A336194	JFH	Spiked Blank	Total Ammonia (N)	2021/08/30		105	%	80 - 120
A336194	JFH	Method Blank	Total Ammonia (N)	2021/08/30	<0.015		mg/L	
A336194	JFH	RPD	Total Ammonia (N)	2021/08/30	NC		%	20
A340473	IKO	Spiked Blank	pH	2021/09/03		100	%	97 - 103
A340473	IKO	RPD	pH	2021/09/03	0.34		%	N/A

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference  $\leq 2 \times$  RDL).

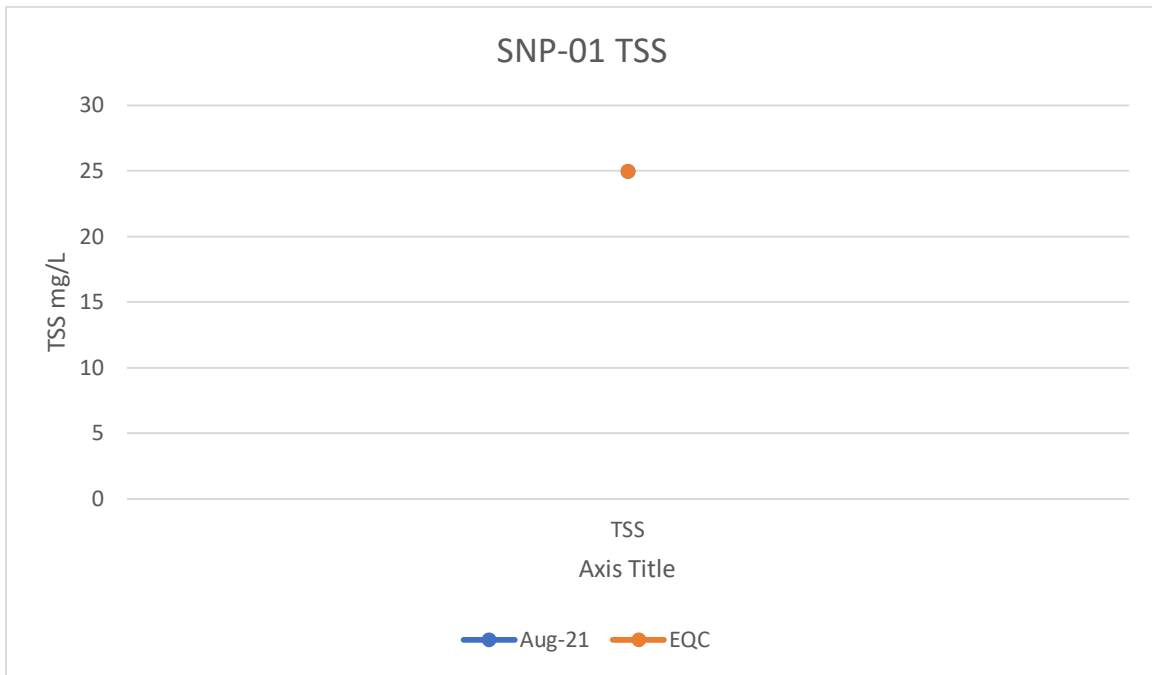
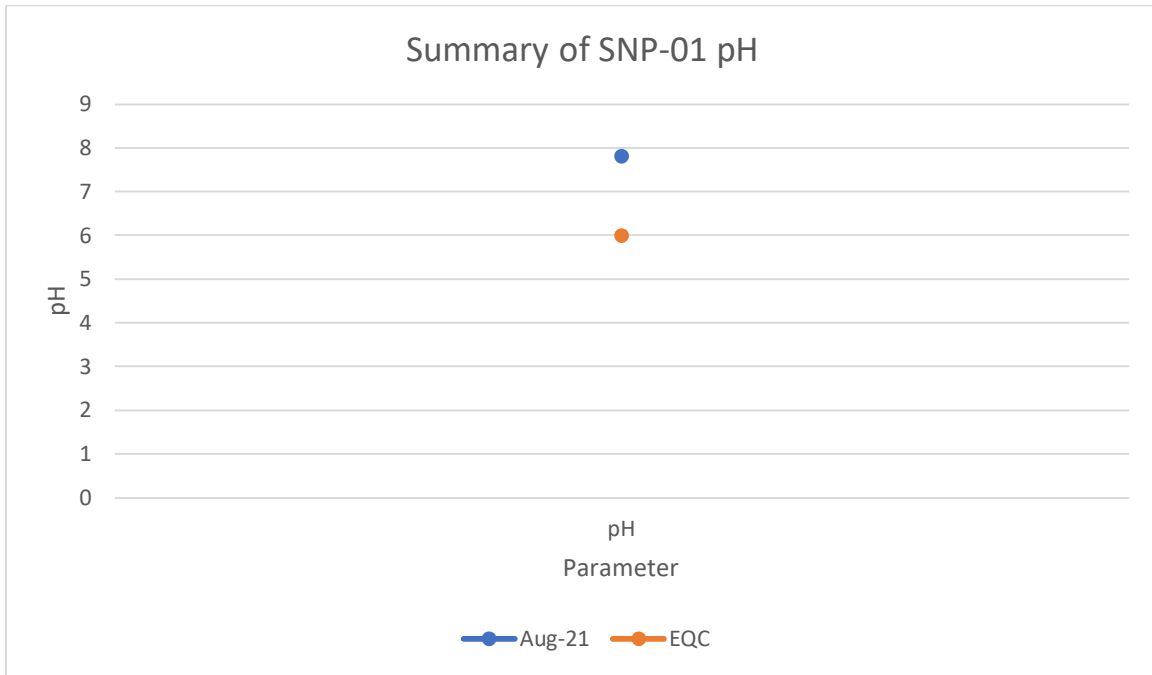
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Method blank is  $< 2 \times$  RDL.

All QA/QC work reported acceptable results for the purposes of these samples.

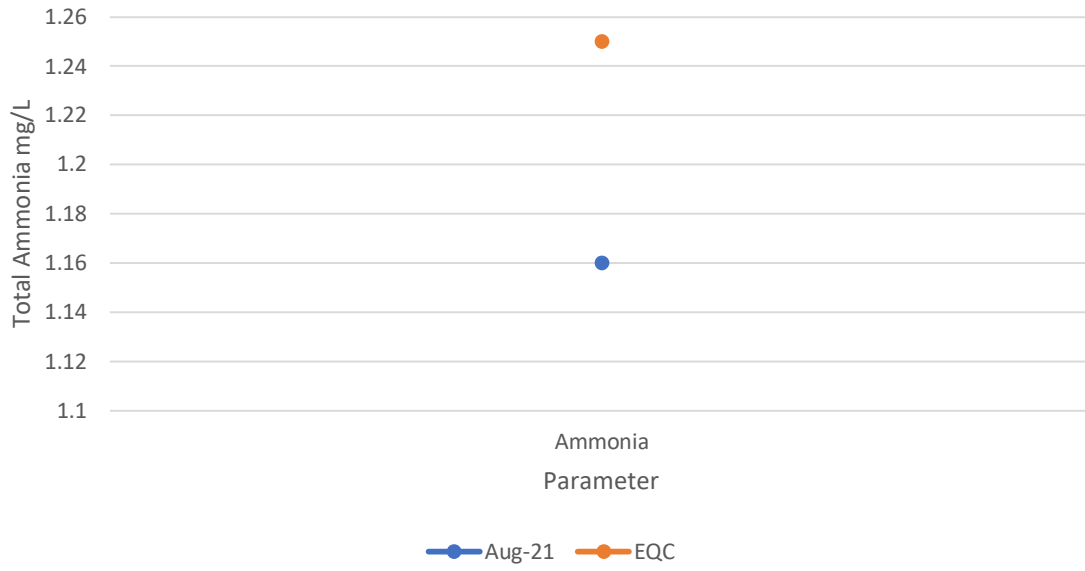
## b. Graphical results of the analytical results

SNP-01

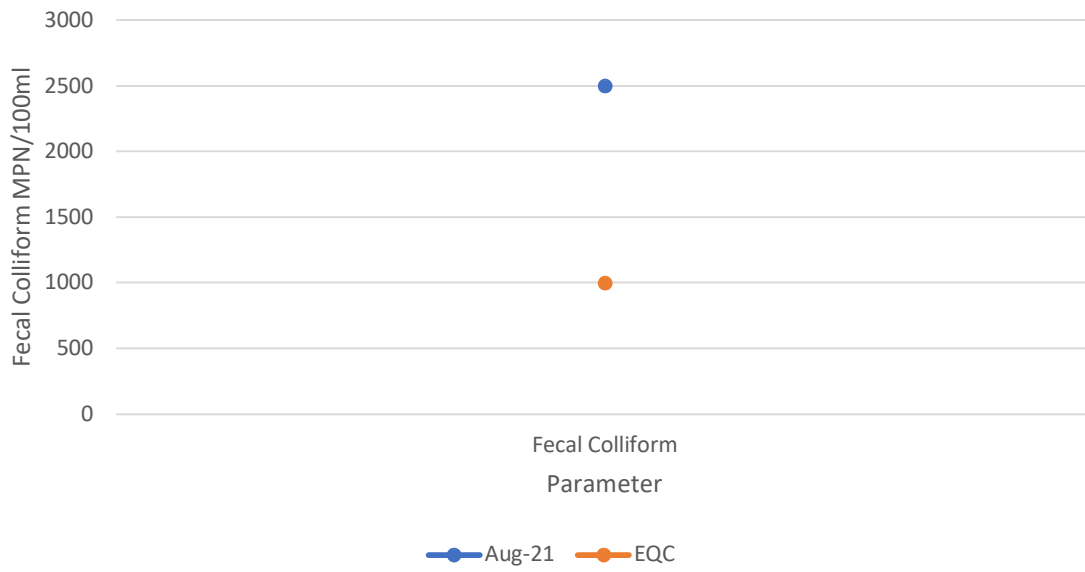


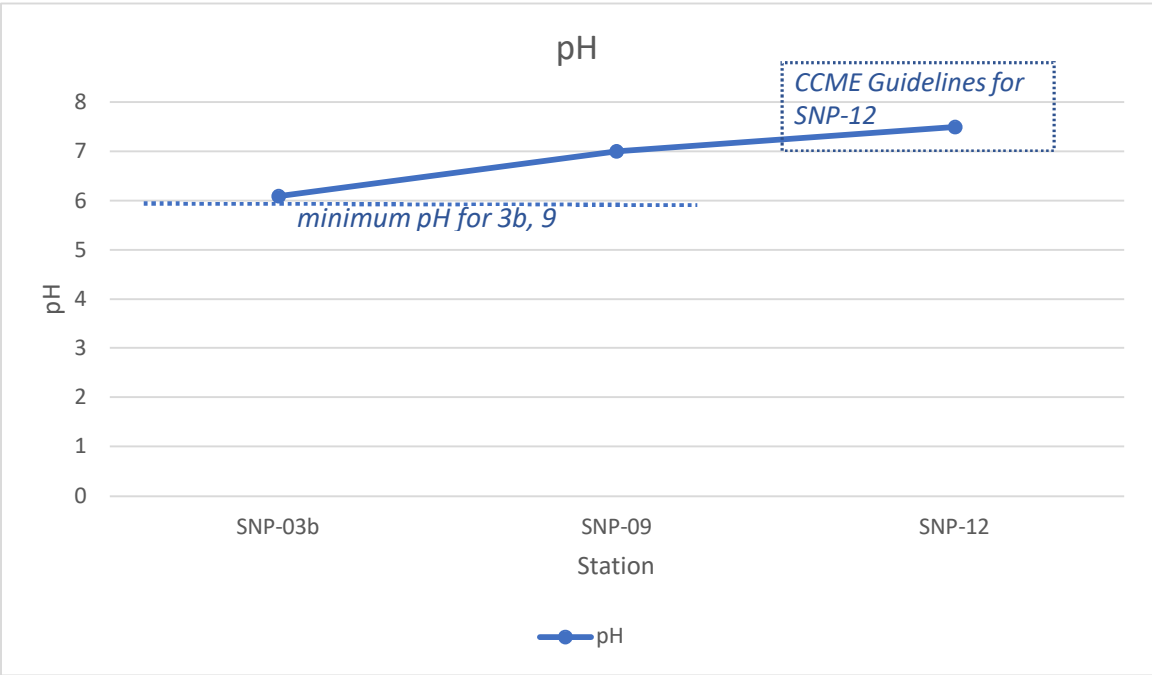
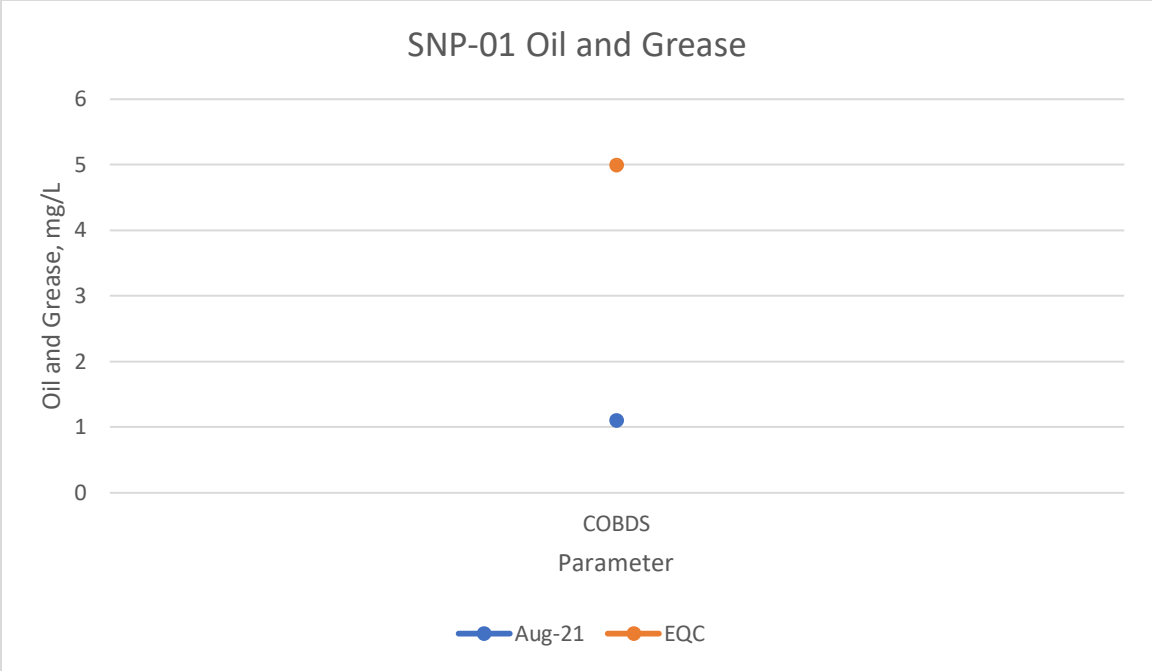


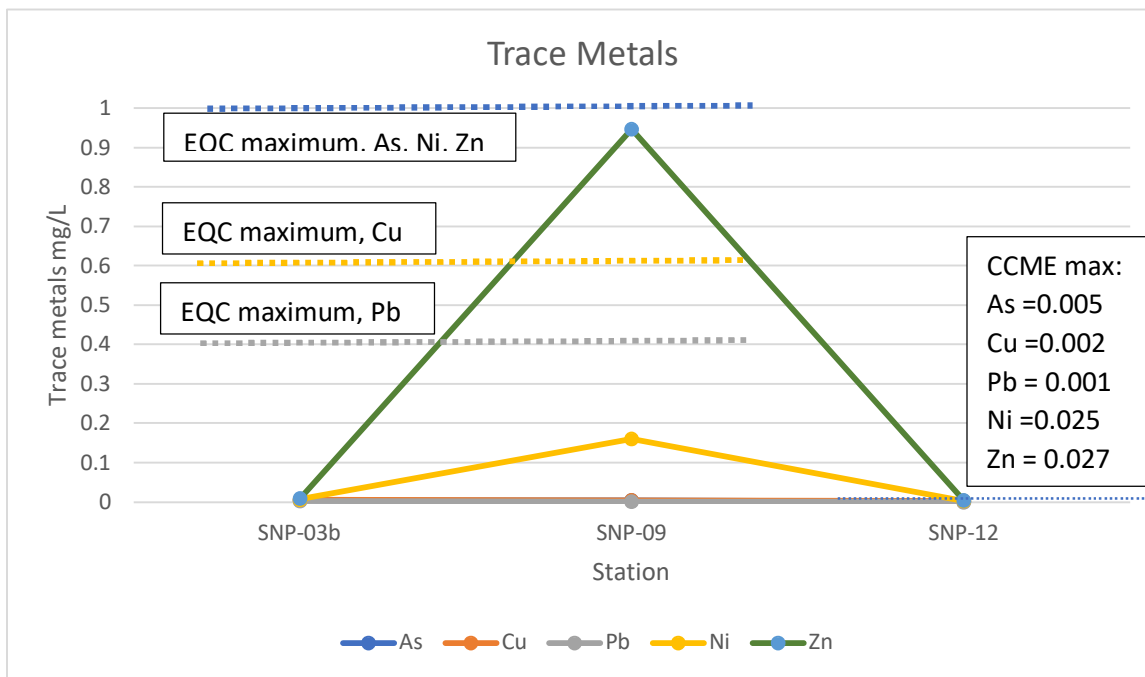
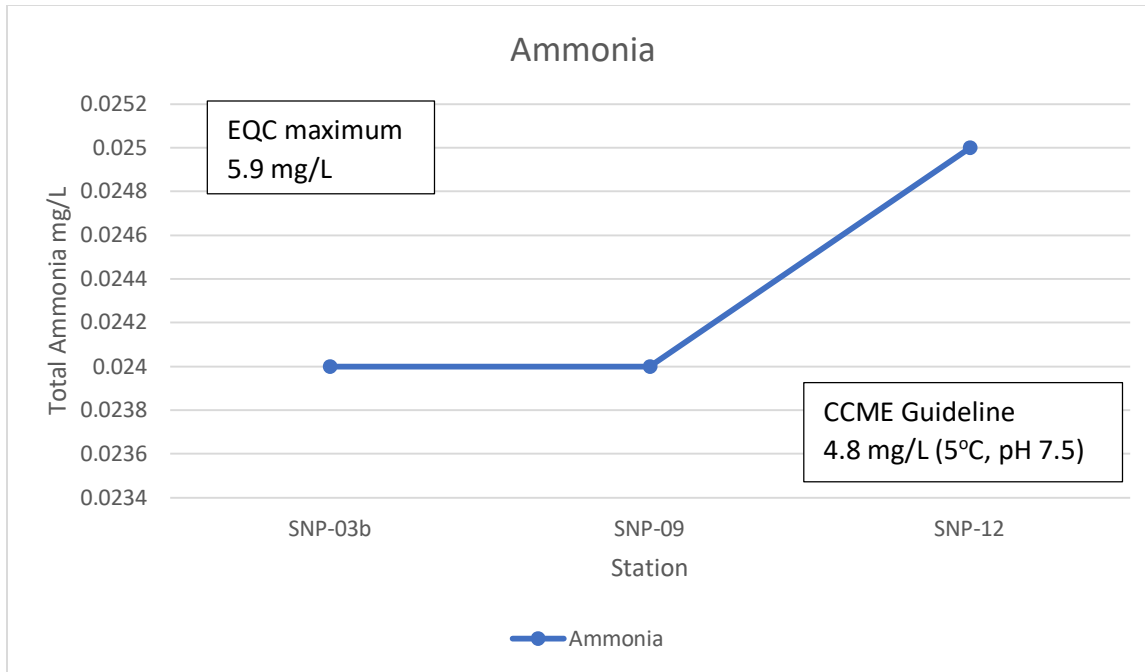
### SNP-01 Ammonia



### SNP-01 Fecal Colliform





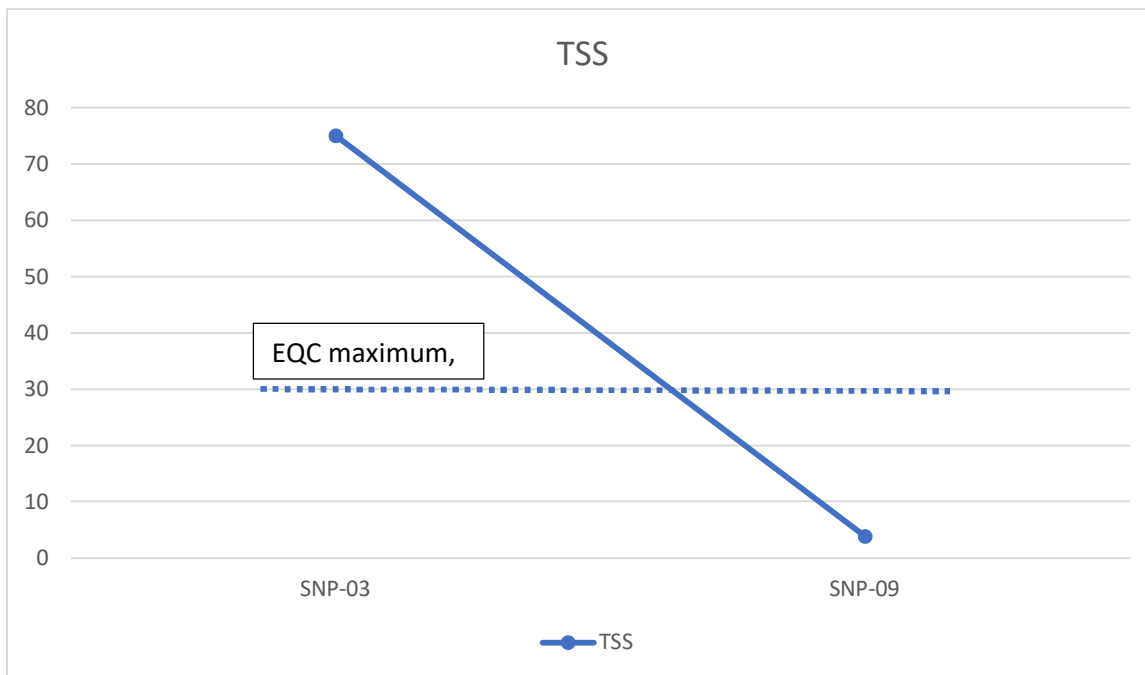


For Cu, Pb, Ni: Use CCME Calculator:

For Zn

$$\text{Benchmark} = \exp(0.833[\ln(\text{hardness mg}\cdot\text{L}^{-1})] + 0.240[\ln(\text{DOC mg}\cdot\text{L}^{-1})] + 0.526).$$

$$\text{CWQG} = \exp(0.947[\ln(\text{hardness mg}\cdot\text{L}^{-1})] - 0.815[\text{pH}] + 0.398[\ln(\text{DOC mg}\cdot\text{L}^{-1})] + 4.625)$$



c) Actions taken in response to any exceedances.

Two areas of exceedances have been noted. This was brought to the attention of the Inspector and the board as Condition of Part F section 22b of this license.

SNP-01 exceeds ammonia and fecal coliform bacteria at the sample location which is the discharge from the bioreactor. The liquids are clear and have very little odour. It is recommended that the sample site be relocated down gradient to allow for some percolation of the discharge into the swamp allowing both the uptake of ammonia and the degradation of the fecal coliform bacteria by the plant life.

SNP-03b exceeds TSS at the sample location which is a natural sump located down gradient of the proposed Dry Stack Storage Facility. This is not unexpected as the puddle in the swamp was full of organic particulates.

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

Water use and waste discharge is measured by batches into a 1,000 litre polytank for water input, and a 4,000 litre polytank for discharge.

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 7. Location of all SNP sites (from Groundwater and Water Management Plan).

SNP	Easting	Northing	Description	Rationale
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SNP-01	635811.5376	6977310.049	Sewage Treatment Plant Effluent	To monitor the quality and quantity of treated Sewage being disposed from the Sewage Treatment System
SNP-02	635719.9015	6977561.717	Monitoring trench, immediately downstream of the Dry Stack Tailings Facility	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03a	635482.7263	6977466.707	Monitoring trench, down slope of Dry Stack Tailings Facility – First Narrows	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03b	635469.9287	6977469.056	Monitoring trench, down slope of Dry Stack Tailings Facility – Culvert	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-04	635716.5372	6977560.698	Seepage from the Dry Stack Tailings Facility	To monitor the quality and quantity of Seepage from the Dry Stack Tailings Facility
SNP-05	635621.5286	6977632.123	Background Well - Upgradient of the Dry Stack Tailings Facility	To establish background water quality before operation of the Dry Stack Tailings Facility and to monitor upgradient Water quality once the Dry Stack Tailings Facility is operational.
SNP-06a	635727.6526	6977502.42	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-06b	635491.1453	6977464.347	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility

SNP-07			Underground Minewater Sump(s)	To monitor the quantity and quality of groundwater and mine Water collected in the underground sump prior to discharge to the surface
SNP-08	635781.5557	6977103.871	Minewater holding tank or pond	To monitor the quantity and quality of mine Water prior to discharge to the Receiving Environment
SNP-09	635813.5578	6977130.145	Seepage from Waste rock pile(s)	To monitor the quality and quantity of Seepage from the Waste rock pile(s)
SNP-10	635841.5194	6977074.557	Seepage from ore stockpile(s)	To monitor the quality and quantity of Seepage from the ore stockpile(s)
SNP-11	635917.6533	6977045.243	Freshwater in Discovery Lake	To monitor water use
SNP-12	635932.5783	6977101.731	Discovery Lake	To monitor impacts of runoff and Discharge from the Project on Water quality in Discovery Lake
SNP-13	642894.9157	6947940.977	Prosperous Lake	To monitor water use
SNP-14	638774.8301	6973931.416	Sito Lake	To monitor water use
SNP-15	641258.1981	6953048.757	Bluefish Lake	To monitor water use
SNP-16	639085.2532	6964534.219	Quayta Lake	To monitor water use
SNP-17	636024.7339	6974998.439	Lake A (T-Bone)	To monitor water use
SNP-18	636145.2634	6974985.342	Lake B (Bone)	To monitor water use
SNP-19	636136.8196	6975393.639	Lake C (565)	To monitor water use
SNP-20	636689.1345	6975138.341	Lake D (SZ)	To monitor water use
SNP-21	635970	6976850	Explosives Mag	To monitor waters draining EM
SNP-22	635630	6977240	Road	To monitor drainage from road

f) A tabular summary of cumulative water usage in cubic metres.

<b>Date</b>	<b>Water in Camp</b>	<b>Water in Mine</b>	<b>Other Water</b>	<b>comment</b>	<b>Total Water Used</b>	<b>Cumulative</b>
<b>Nov-20</b>	0	0	0	inactive	0	0
<b>Dec-20</b>	0	0	0	Inactive	0	0
<b>Jan-21</b>	0	0	600	Road build	600	600
<b>Feb-21</b>	0	0	0	Inactive	0	600
<b>Mar-21</b>	0	0	0	Inactive	0	600
<b>Apr-21</b>	0	0	0	Inactive	0	600
<b>May-21</b>	0	0	0	Inactive	0	600
<b>Jun-21</b>	0	0	0	Inactive	0	600
<b>Jul-21</b>	32.6	0	0	Setup	32.6	632.6
<b>Aug-21</b>	12.5	0	0	Setup	12.5	645.1
<b>Sep-21</b>						
<b>Oct-21</b>						

# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

November 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

No activities, no samples collected.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.

*Table 1. Summary of SNP Program activities*

SNP STN	Date	Data	Collected
SNP-01	8-2021		No activities
SNP-02	8-2021		No activities
SNP-03a	8-2021		No activities
SNP-04	8-2021		No activities
SNP-05	8-2021		No activities
SNP-06	8-2021		No activities
SNP-07	8-2021		No activities
SNP-08	8-2021		No activities
SNP-09	8-2021		No activities
SNP-10	8-2021		No activities
SNP-11	8-2021		No activities
SNP-12	8-2021		No activities
SNP-13	8-2021		No activities
SNP-14	8-2021		No activities
SNP-15	8-2021		No activities
SNP-16	8-2021		No activities
SNP-17	8-2021		No activities
SNP-18	8-2021		No activities
SNP-19	8-2021		No activities
SNP-20	8-2021		No activities
SNP-21	8-2021		No activities
SNP-22	8-2021		No activities

## QA/QC

No activities

- b. Graphical results of the analytical results for samples compared to Effluent Criteria under Part F of this license. No activities.



c) Actions taken in response to any exceedances.

No activities, no samples.

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

No activities, no samples.

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 2. Location of all SNP sites (from Groundwater and Water Management Plan).

SNP	Easting	Northing	Description	Rationale
SNP-01	635811.5376	6977310.049	Sewage Treatment Plant Effluent	To monitor the quality and quantity of treated Sewage being disposed from the Sewage Treatment System
SNP-02	635719.9015	6977561.717	Monitoring trench, immediately downstream of the Dry Stack Tailings Facility	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03a	635482.7263	6977466.707	Monitoring trench, down slope of Dry Stack Tailings Facility – First Narrows	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03b	635469.9287	6977469.056	Monitoring trench, down slope of Dry Stack Tailings Facility – Culvert	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-04	635716.5372	6977560.698	Seepage from the Dry Stack Tailings Facility	To monitor the quality and quantity of Seepage from the Dry Stack Tailings Facility

SNP-05	635621.5286	6977632.123	Background Well - Upgradient of the Dry Stack Tailings Facility	To establish background water quality before operation of the Dry Stack Tailings Facility and to monitor upgradient Water quality once the Dry Stack Tailings Facility is operational.
SNP-06a	635727.6526	6977502.42	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-06b	635491.1453	6977464.347	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-07			Underground Minewater Sump(s)	To monitor the quantity and quality of groundwater and mine Water collected in the underground sump prior to discharge to the surface
SNP-08	635781.5557	6977103.871	Minewater holding tank or pond	To monitor the quantity and quality of mine Water prior to discharge to the Receiving Environment
SNP-09	635813.5578	6977130.145	Seepage from Waste rock pile(s)	To monitor the quality and quantity of Seepage from the Waste rock pile(s)
SNP-10	635841.5194	6977074.557	Seepage from ore stockpile(s)	To monitor the quality and quantity of Seepage from the ore stockpile(s)
SNP-11	635917.6533	6977045.243	Freshwater in Discovery Lake	To monitor water use
SNP-12	635932.5783	6977101.731	Discovery Lake	To monitor impacts of runoff and Discharge from the Project on Water quality in Discovery Lake
SNP-13	642894.9157	6947940.977	Prosperous Lake	To monitor water use
SNP-14	638774.8301	6973931.416	Sito Lake	To monitor water use
SNP-15	641258.1981	6953048.757	Bluefish Lake	To monitor water use

SNP-16	639085.2532	6964534.219	Quayta Lake	To monitor water use
SNP-17	636024.7339	6974998.439	Lake A (T-Bone)	To monitor water use
SNP-18	636145.2634	6974985.342	Lake B (Bone)	To monitor water use
SNP-19	636136.8196	6975393.639	Lake C (565)	To monitor water use
SNP-20	636689.1345	6975138.341	Lake D (SZ)	To monitor water use
SNP-21	635970	6976850	Explosives Mag	To monitor waters draining EM
SNP-22	635630	6977240	Road	To monitor drainage from road

f) A tabular summary of cumulative water usage in cubic metres.

Date	Water in Camp	Water in Mine	Other Water	comment	Total Water Used	Cumulative
Nov-20	0	0	0	inactive	0	0
Dec-20						
Jan-21						
Feb-21						
Mar-21						
Apr-21						
May-21						
Jun-21						
Jul-21						
Aug-21						
Sep-21						
Oct-21						

# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

February 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

A winter road was constructed by CJ Contracting Ltd. of Yellowknife. Water was drawn from Prosperous, Bluefish, Quayta, Sito, and Discovery Lakes.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.
  - a. Electronic summary attached in xlsx format.

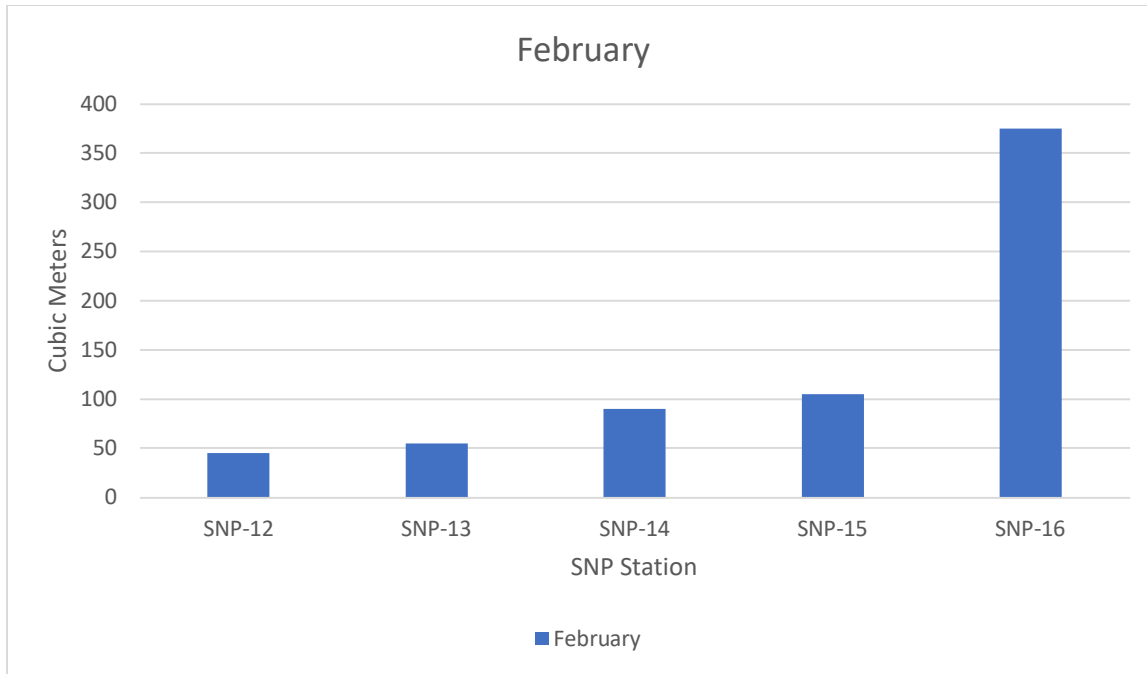
*Table 1. Summary of SNP Program activities*

SNP STN	Date	Data	Collected
SNP-01			No activities
SNP-02			No activities
SNP-03a			No activities
SNP-04			No activities
SNP-05			No activities
SNP-06			No activities
SNP-07			No activities
SNP-08			No activities
SNP-09			No activities
SNP-10			No activities
SNP-11			No activities
SNP-12	2-2021	Volume 45 m <sup>3</sup>	Road Building
SNP-13	2-2021	Volume 55 m <sup>3</sup>	Road Building
SNP-14	2-2021	Volume 90 m <sup>3</sup>	Road Building
SNP-15	2-2021	Volume 105 m <sup>3</sup>	Road Building
SNP-16	2-2021	Volume 375 m <sup>3</sup>	Road Building
SNP-17			No activities
SNP-18			No activities
SNP-19			No activities
SNP-20			No activities
SNP-21			No activities
SNP-22			No activities

QA/QC

None

b. Graphical results of the analytical results for SNP-12, 13, 14, 15, 16 under Part F of this license.



c) Actions taken in response to any exceedances.

No exceedances

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

Volume measured by tank load.

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 2. Location of all SNP sites (from Groundwater and Water Management Plan).

SNP	Easting	Northing	Description	Rationale
SNP-01	635811.5376	6977310.049	Sewage Treatment Plant Effluent	To monitor the quality and quantity of treated Sewage being disposed from the Sewage Treatment System
SNP-02	635719.9015	6977561.717	Monitoring trench, immediately downstream of	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility

			the Dry Stack Tailings Facility	
SNP-03a	635482.7263	6977466.707	Monitoring trench, down slope of Dry Stack Tailings Facility – First Narrows	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03b	635469.9287	6977469.056	Monitoring trench, down slope of Dry Stack Tailings Facility – Culvert	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-04	635716.5372	6977560.698	Seepage from the Dry Stack Tailings Facility	To monitor the quality and quantity of Seepage from the Dry Stack Tailings Facility
SNP-05	635621.5286	6977632.123	Background Well - Upgradient of the Dry Stack Tailings Facility	To establish background water quality before operation of the Dry Stack Tailings Facility and to monitor upgradient Water quality once the Dry Stack Tailings Facility is operational.
SNP-06a	635727.6526	6977502.42	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-06b	635491.1453	6977464.347	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-07			Underground Minewater Sump(s)	To monitor the quantity and quality of groundwater and mine Water collected in the underground sump prior to discharge to the surface

SNP-08	635781.5557	6977103.871	Minewater holding tank or pond	To monitor the quantity and quality of mine Water prior to discharge to the Receiving Environment
SNP-09	635813.5578	6977130.145	Seepage from Waste rock pile(s)	To monitor the quality and quantity of Seepage from the Waste rock pile(s)
SNP-10	635841.5194	6977074.557	Seepage from ore stockpile(s)	To monitor the quality and quantity of Seepage from the ore stockpile(s)
SNP-11	635917.6533	6977045.243	Freshwater in Discovery Lake	To monitor water use
SNP-12	635932.5783	6977101.731	Discovery Lake	To monitor impacts of runoff and Discharge from the Project on Water quality in Discovery Lake
SNP-13	642894.9157	6947940.977	Prosperous Lake	To monitor water use
SNP-14	638774.8301	6973931.416	Sito Lake	To monitor water use
SNP-15	641258.1981	6953048.757	Bluefish Lake	To monitor water use
SNP-16	639085.2532	6964534.219	Quayta Lake	To monitor water use
SNP-17	636024.7339	6974998.439	Lake A (T-Bone)	To monitor water use
SNP-18	636145.2634	6974985.342	Lake B (Bone)	To monitor water use
SNP-19	636136.8196	6975393.639	Lake C (565)	To monitor water use
SNP-20	636689.1345	6975138.341	Lake D (SZ)	To monitor water use
SNP-21	635970	6976850	Explosives Mag	To monitor waters draining EM
SNP-22	635630	6977240	Road	To monitor drainage from road

f) A tabular summary of cumulative water usage in cubic metres.

Date	Water in Camp	Water in Mine	Other Water	comment	Total Water Used	Cumulative
Nov-20	0	0	0	inactive	0	0
Dec-20	0	0	0	Inactive	0	0

<b>Jan-21</b>	0	0	600	Inactive	600	600
<b>Feb-21</b>						
<b>Mar-21</b>						
<b>Apr-21</b>						
<b>May-21</b>						
<b>Jun-21</b>						
<b>Jul-21</b>						
<b>Aug-21</b>						
<b>Sep-21</b>						
<b>Oct-21</b>						



# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

March 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

A winter road was constructed by CJ Contracting Ltd. of Yellowknife. Water was drawn from Prosperous, Bluefish, Quayta, Sito, and Discovery Lakes.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.
  - a. Electronic summary attached in xlsx format.

Table 1. Summary of SNP Program activities

SNP STN	Date	Data	Collected
SNP-01			No activities
SNP-02			No activities
SNP-03a			No activities
SNP-04			No activities
SNP-05			No activities
SNP-06			No activities
SNP-07			No activities
SNP-08			No activities
SNP-09			No activities
SNP-10			No activities
SNP-11			No activities
SNP-12			No activities
SNP-13			No activities
SNP-14			No activities
SNP-15			No activities
SNP-16			No activities
SNP-17			No activities
SNP-18			No activities
SNP-19			No activities
SNP-20			No activities
SNP-21			No activities
SNP-22			No activities

QA/QC

None

b. Graphical results of the analytical results

None

c) Actions taken in response to any exceedances.

No exceedances

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

None

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 2. Location of all SNP sites (from Groundwater and Water Management Plan).

<b>SNP</b>	<b>Easting</b>	<b>Northing</b>	<b>Description</b>	<b>Rationale</b>
SNP-01	635811.5376	6977310.049	Sewage Treatment Plant Effluent	To monitor the quality and quantity of treated Sewage being disposed from the Sewage Treatment System
SNP-02	635719.9015	6977561.717	Monitoring trench, immediately downstream of the Dry Stack Tailings Facility	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03a	635482.7263	6977466.707	Monitoring trench, down slope of Dry Stack Tailings Facility – First Narrows	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03b	635469.9287	6977469.056	Monitoring trench, down slope of Dry Stack Tailings Facility – Culvert	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-04	635716.5372	6977560.698	Seepage from the Dry Stack Tailings Facility	To monitor the quality and quantity of Seepage from the Dry Stack Tailings Facility

SNP-05	635621.5286	6977632.123	Background Well - Upgradient of the Dry Stack Tailings Facility	To establish background water quality before operation of the Dry Stack Tailings Facility and to monitor upgradient Water quality once the Dry Stack Tailings Facility is operational.
SNP-06a	635727.6526	6977502.42	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-06b	635491.1453	6977464.347	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-07			Underground Minewater Sump(s)	To monitor the quantity and quality of groundwater and mine Water collected in the underground sump prior to discharge to the surface
SNP-08	635781.5557	6977103.871	Minewater holding tank or pond	To monitor the quantity and quality of mine Water prior to discharge to the Receiving Environment
SNP-09	635813.5578	6977130.145	Seepage from Waste rock pile(s)	To monitor the quality and quantity of Seepage from the Waste rock pile(s)
SNP-10	635841.5194	6977074.557	Seepage from ore stockpile(s)	To monitor the quality and quantity of Seepage from the ore stockpile(s)
SNP-11	635917.6533	6977045.243	Freshwater in Discovery Lake	To monitor water use
SNP-12	635932.5783	6977101.731	Discovery Lake	To monitor impacts of runoff and Discharge from the Project on Water quality in Discovery Lake
SNP-13	642894.9157	6947940.977	Prosperous Lake	To monitor water use
SNP-14	638774.8301	6973931.416	Sito Lake	To monitor water use
SNP-15	641258.1981	6953048.757	Bluefish Lake	To monitor water use

SNP-16	639085.2532	6964534.219	Quayta Lake	To monitor water use
SNP-17	636024.7339	6974998.439	Lake A (T-Bone)	To monitor water use
SNP-18	636145.2634	6974985.342	Lake B (Bone)	To monitor water use
SNP-19	636136.8196	6975393.639	Lake C (565)	To monitor water use
SNP-20	636689.1345	6975138.341	Lake D (SZ)	To monitor water use
SNP-21	635970	6976850	Explosives Mag	To monitor waters draining EM
SNP-22	635630	6977240	Road	To monitor drainage from road

f) A tabular summary of cumulative water usage in cubic metres.

Date	Water in Camp	Water in Mine	Other Water	comment	Total Water Used	Cumulative
Nov-20	0	0	0	inactive	0	0
Dec-20	0	0	0	Inactive	0	0
Jan-21	0	0	600	Road build	600	600
Feb-21	0	0	0	Inactive	0	600
Mar-21						
Apr-21						
May-21						
Jun-21						
Jul-21						
Aug-21						
Sep-21						
Oct-21						

# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

April 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

A winter road was constructed by CJ Contracting Ltd. of Yellowknife. Water was drawn from Prosperous, Bluefish, Quayta, Sito, and Discovery Lakes.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.
  - a. Electronic summary attached in xlsx format.

Table 1. Summary of SNP Program activities

SNP STN	Date	Data	Collected
SNP-01			No activities
SNP-02			No activities
SNP-03a			No activities
SNP-04			No activities
SNP-05			No activities
SNP-06			No activities
SNP-07			No activities
SNP-08			No activities
SNP-09			No activities
SNP-10			No activities
SNP-11			No activities
SNP-12			No activities
SNP-13			No activities
SNP-14			No activities
SNP-15			No activities
SNP-16			No activities
SNP-17			No activities
SNP-18			No activities
SNP-19			No activities
SNP-20			No activities
SNP-21			No activities
SNP-22			No activities

QA/QC

None

b. Graphical results of the analytical results

None

c) Actions taken in response to any exceedances.

No exceedances

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

None

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 2. Location of all SNP sites (from Groundwater and Water Management Plan).

<b>SNP</b>	<b>Easting</b>	<b>Northing</b>	<b>Description</b>	<b>Rationale</b>
SNP-01	635811.5376	6977310.049	Sewage Treatment Plant Effluent	To monitor the quality and quantity of treated Sewage being disposed from the Sewage Treatment System
SNP-02	635719.9015	6977561.717	Monitoring trench, immediately downstream of the Dry Stack Tailings Facility	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03a	635482.7263	6977466.707	Monitoring trench, down slope of Dry Stack Tailings Facility – First Narrows	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03b	635469.9287	6977469.056	Monitoring trench, down slope of Dry Stack Tailings Facility – Culvert	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-04	635716.5372	6977560.698	Seepage from the Dry Stack Tailings Facility	To monitor the quality and quantity of Seepage from the Dry Stack Tailings Facility

SNP-05	635621.5286	6977632.123	Background Well - Upgradient of the Dry Stack Tailings Facility	To establish background water quality before operation of the Dry Stack Tailings Facility and to monitor upgradient Water quality once the Dry Stack Tailings Facility is operational.
SNP-06a	635727.6526	6977502.42	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-06b	635491.1453	6977464.347	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-07			Underground Minewater Sump(s)	To monitor the quantity and quality of groundwater and mine Water collected in the underground sump prior to discharge to the surface
SNP-08	635781.5557	6977103.871	Minewater holding tank or pond	To monitor the quantity and quality of mine Water prior to discharge to the Receiving Environment
SNP-09	635813.5578	6977130.145	Seepage from Waste rock pile(s)	To monitor the quality and quantity of Seepage from the Waste rock pile(s)
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SNP-20	636689.1345	6975138.341	Lake D (SZ)	To monitor water use
SNP-21	635970	6976850	Explosives Mag	To monitor waters draining EM
SNP-22	635630	6977240	Road	To monitor drainage from road

f) A tabular summary of cumulative water usage in cubic metres.

Date	Water in Camp	Water in Mine	Other Water	comment	Total Water Used	Cumulative
Nov-20	0	0	0	inactive	0	0
Dec-20	0	0	0	Inactive	0	0
Jan-21	0	0	600	Road build	600	600
Feb-21	0	0	0	Inactive	0	600
Mar-21	0	0	0	Inactive	0	600
Apr-21						
May-21						
Jun-21						
Jul-21						
Aug-21						
Sep-21						
Oct-21						



# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

May 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

A winter road was constructed by CJ Contracting Ltd. of Yellowknife. Water was drawn from Prosperous, Bluefish, Quayta, Sito, and Discovery Lakes.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.
  - a. Electronic summary attached in xlsx format.

Table 1. Summary of SNP Program activities

SNP STN	Date	Data	Collected
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SNP-11			No activities
SNP-12			No activities
SNP-13			No activities
SNP-14			No activities
SNP-15			No activities
SNP-16			No activities
SNP-17			No activities
SNP-18			No activities
SNP-19			No activities
SNP-20			No activities
SNP-21			No activities
SNP-22			No activities

QA/QC

None

b. Graphical results of the analytical results

None

c) Actions taken in response to any exceedances.

No exceedances

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

None

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 2. Location of all SNP sites (from Groundwater and Water Management Plan).

SNP	Easting	Northing	Description	Rationale
SNP-01	635811.5376	6977310.049	Sewage Treatment Plant Effluent	To monitor the quality and quantity of treated Sewage being disposed from the Sewage Treatment System
SNP-02	635719.9015	6977561.717	Monitoring trench, immediately downstream of the Dry Stack Tailings Facility	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03a	635482.7263	6977466.707	Monitoring trench, down slope of Dry Stack Tailings Facility – First Narrows	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03b	635469.9287	6977469.056	Monitoring trench, down slope of Dry Stack Tailings Facility – Culvert	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-04	635716.5372	6977560.698	Seepage from the Dry Stack Tailings Facility	To monitor the quality and quantity of Seepage from the Dry Stack Tailings Facility

SNP-05	635621.5286	6977632.123	Background Well - Upgradient of the Dry Stack Tailings Facility	To establish background water quality before operation of the Dry Stack Tailings Facility and to monitor upgradient Water quality once the Dry Stack Tailings Facility is operational.
SNP-06a	635727.6526	6977502.42	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-06b	635491.1453	6977464.347	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-07			Underground Minewater Sump(s)	To monitor the quantity and quality of groundwater and mine Water collected in the underground sump prior to discharge to the surface
SNP-08	635781.5557	6977103.871	Minewater holding tank or pond	To monitor the quantity and quality of mine Water prior to discharge to the Receiving Environment
SNP-09	635813.5578	6977130.145	Seepage from Waste rock pile(s)	To monitor the quality and quantity of Seepage from the Waste rock pile(s)
SNP-10	635841.5194	6977074.557	Seepage from ore stockpile(s)	To monitor the quality and quantity of Seepage from the ore stockpile(s)
SNP-11	635917.6533	6977045.243	Freshwater in Discovery Lake	To monitor water use
SNP-12	635932.5783	6977101.731	Discovery Lake	To monitor impacts of runoff and Discharge from the Project on Water quality in Discovery Lake
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SNP-18	636145.2634	6974985.342	Lake B (Bone)	To monitor water use
SNP-19	636136.8196	6975393.639	Lake C (565)	To monitor water use
SNP-20	636689.1345	6975138.341	Lake D (SZ)	To monitor water use
SNP-21	635970	6976850	Explosives Mag	To monitor waters draining EM
SNP-22	635630	6977240	Road	To monitor drainage from road

f) A tabular summary of cumulative water usage in cubic metres.

Date	Water in Camp	Water in Mine	Other Water	comment	Total Water Used	Cumulative
Nov-20	0	0	0	inactive	0	0
Dec-20	0	0	0	Inactive	0	0
Jan-21	0	0	600	Road build	600	600
Feb-21	0	0	0	Inactive	0	600
Mar-21	0	0	0	Inactive	0	600
Apr-21	0	0	0	Inactive	0	600
May-21						
Jun-21						
Jul-21						
Aug-21						
Sep-21						
Oct-21						

# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

June 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

A winter road was constructed by CJ Contracting Ltd. of Yellowknife. Water was drawn from Prosperous, Bluefish, Quayta, Sito, and Discovery Lakes.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.
  - a. Electronic summary attached in xlsx format.

Table 1. Summary of SNP Program activities

SNP STN	Date	Data	Collected
SNP-01			No activities
SNP-02			No activities
SNP-03a			No activities
SNP-04			No activities
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SNP-09			No activities
SNP-10			No activities
SNP-11			No activities
SNP-12			No activities
SNP-13			No activities
SNP-14			No activities
SNP-15			No activities
SNP-16			No activities
SNP-17			No activities
SNP-18			No activities
SNP-19			No activities
SNP-20			No activities
SNP-21			No activities
SNP-22			No activities

QA/QC

None

b. Graphical results of the analytical results

None

c) Actions taken in response to any exceedances.

No exceedances

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

None

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 2. Location of all SNP sites (from Groundwater and Water Management Plan).

<b>SNP</b>	<b>Easting</b>	<b>Northing</b>	<b>Description</b>	<b>Rationale</b>
SNP-01	635811.5376	6977310.049	Sewage Treatment Plant Effluent	To monitor the quality and quantity of treated Sewage being disposed from the Sewage Treatment System
SNP-02	635719.9015	6977561.717	Monitoring trench, immediately downstream of the Dry Stack Tailings Facility	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03a	635482.7263	6977466.707	Monitoring trench, down slope of Dry Stack Tailings Facility – First Narrows	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03b	635469.9287	6977469.056	Monitoring trench, down slope of Dry Stack Tailings Facility – Culvert	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-04	635716.5372	6977560.698	Seepage from the Dry Stack Tailings Facility	To monitor the quality and quantity of Seepage from the Dry Stack Tailings Facility

SNP-05	635621.5286	6977632.123	Background Well - Upgradient of the Dry Stack Tailings Facility	To establish background water quality before operation of the Dry Stack Tailings Facility and to monitor upgradient Water quality once the Dry Stack Tailings Facility is operational.
SNP-06a	635727.6526	6977502.42	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-06b	635491.1453	6977464.347	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-07			Underground Minewater Sump(s)	To monitor the quantity and quality of groundwater and mine Water collected in the underground sump prior to discharge to the surface
SNP-08	635781.5557	6977103.871	Minewater holding tank or pond	To monitor the quantity and quality of mine Water prior to discharge to the Receiving Environment
SNP-09	635813.5578	6977130.145	Seepage from Waste rock pile(s)	To monitor the quality and quantity of Seepage from the Waste rock pile(s)
SNP-10	635841.5194	6977074.557	Seepage from ore stockpile(s)	To monitor the quality and quantity of Seepage from the ore stockpile(s)
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SNP-21	635970	6976850	Explosives Mag	To monitor waters draining EM
SNP-22	635630	6977240	Road	To monitor drainage from road

f) A tabular summary of cumulative water usage in cubic metres.

Date	Water in Camp	Water in Mine	Other Water	comment	Total Water Used	Cumulative
Nov-20	0	0	0	inactive	0	0
Dec-20	0	0	0	Inactive	0	0
Jan-21	0	0	600	Road build	600	600
Feb-21	0	0	0	Inactive	0	600
Mar-21	0	0	0	Inactive	0	600
Apr-21	0	0	0	Inactive	0	600
May-21	0	0	0	Inactive	0	600
Jun-21						
Jul-21						
Aug-21						
Sep-21						
Oct-21						



# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

July 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

A winter road was constructed by CJ Contracting Ltd. of Yellowknife. Water was drawn from Prosperous, Bluefish, Quayta, Sito, and Discovery Lakes.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.
  - a. Electronic summary attached in xlsx format.

Table 1. Summary of SNP Program activities

SNP STN	Date	Data	Collected
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SNP-12			No activities
SNP-13			No activities
SNP-14			No activities
SNP-15			No activities
SNP-16			No activities
SNP-17			No activities
SNP-18			No activities
SNP-19			No activities
SNP-20			No activities
SNP-21			No activities
SNP-22			No activities

QA/QC

None

b. Graphical results of the analytical results

None

c) Actions taken in response to any exceedances.

No exceedances

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

None

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 2. Location of all SNP sites (from Groundwater and Water Management Plan).

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f) A tabular summary of cumulative water usage in cubic metres.

Date	Water in Camp	Water in Mine	Other Water	comment	Total Water Used	Cumulative
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Mar-21	0	0	0	Inactive	0	600
Apr-21	0	0	0	Inactive	0	600
May-21	0	0	0	Inactive	0	600
Jun-21	0	0	0	Inactive	0	600
Jul-21						
Aug-21						
Sep-21						
Oct-21						

# Surveillance Network Program Report for MV2020L2-0002, New Discovery Mines Ltd.

August 1, 2020

This report according to Annex A- Surveillance Network Program for MV2020L2-0002 issued to New Discovery Mines Ltd. for the Mon Gold Project.

## Summary

A winter road was constructed by CJ Contracting Ltd. of Yellowknife. Water was drawn from Prosperous, Bluefish, Quayta, Sito, and Discovery Lakes.

1. The effective date of this Surveillance Network Program is October 2020.
2. No activity occurred on site until Jul 2021 and only support crews, set up, clean up and maintenance operations occurred with limited crews. No mining or milling activities have occurred on site.
  - a. Electronic summary attached in xlsx format.

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SNP-15			No activities
SNP-16			No activities
SNP-17			No activities
SNP-18			No activities
SNP-19			No activities
SNP-20			No activities
SNP-21			No activities
SNP-22			No activities

QA/QC

None

b. Graphical results of the analytical results

None

c) Actions taken in response to any exceedances.

No exceedances

d) Calibration and status of meters and devices referred to in Part B Condition 18 of this license.

None

3) Coordinates of all SNP sites that were established including an updated map identifying all the SNP sites.

Table 2. Location of all SNP sites (from Groundwater and Water Management Plan).

<b>SNP</b>	<b>Easting</b>	<b>Northing</b>	<b>Description</b>	<b>Rationale</b>
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SNP-02	635719.9015	6977561.717	Monitoring trench, immediately downstream of the Dry Stack Tailings Facility	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03a	635482.7263	6977466.707	Monitoring trench, down slope of Dry Stack Tailings Facility – First Narrows	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-03b	635469.9287	6977469.056	Monitoring trench, down slope of Dry Stack Tailings Facility – Culvert	To monitor the quality of Seepage and surface Water downstream of the Dry Stack Tailings Facility
SNP-04	635716.5372	6977560.698	Seepage from the Dry Stack Tailings Facility	To monitor the quality and quantity of Seepage from the Dry Stack Tailings Facility

SNP-05	635621.5286	6977632.123	Background Well - Upgradient of the Dry Stack Tailings Facility	To establish background water quality before operation of the Dry Stack Tailings Facility and to monitor upgradient Water quality once the Dry Stack Tailings Facility is operational.
SNP-06a	635727.6526	6977502.42	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-06b	635491.1453	6977464.347	Monitoring Well – Downgradient of the Dry Stack Tailings Facility	To establish background water quality before and during operation of the Dry Stack Tailings Facility
SNP-07			Underground Minewater Sump(s)	To monitor the quantity and quality of groundwater and mine Water collected in the underground sump prior to discharge to the surface
SNP-08	635781.5557	6977103.871	Minewater holding tank or pond	To monitor the quantity and quality of mine Water prior to discharge to the Receiving Environment
SNP-09	635813.5578	6977130.145	Seepage from Waste rock pile(s)	To monitor the quality and quantity of Seepage from the Waste rock pile(s)
SNP-10	635841.5194	6977074.557	Seepage from ore stockpile(s)	To monitor the quality and quantity of Seepage from the ore stockpile(s)
SNP-11	635917.6533	6977045.243	Freshwater in Discovery Lake	To monitor water use
SNP-12	635932.5783	6977101.731	Discovery Lake	To monitor impacts of runoff and Discharge from the Project on Water quality in Discovery Lake
SNP-13	642894.9157	6947940.977	Prosperous Lake	To monitor water use
SNP-14	638774.8301	6973931.416	Sito Lake	To monitor water use
SNP-15	641258.1981	6953048.757	Bluefish Lake	To monitor water use

SNP-16	639085.2532	6964534.219	Quayta Lake	To monitor water use
SNP-17	636024.7339	6974998.439	Lake A (T-Bone)	To monitor water use
SNP-18	636145.2634	6974985.342	Lake B (Bone)	To monitor water use
SNP-19	636136.8196	6975393.639	Lake C (565)	To monitor water use
SNP-20	636689.1345	6975138.341	Lake D (SZ)	To monitor water use
SNP-21	635970	6976850	Explosives Mag	To monitor waters draining EM
SNP-22	635630	6977240	Road	To monitor drainage from road

f) A tabular summary of cumulative water usage in cubic metres.

Date	Water in Camp	Water in Mine	Other Water	comment	Total Water Used	Cumulative
Nov-20	0	0	0	inactive	0	0
Dec-20	0	0	0	Inactive	0	0
Jan-21	0	0	600	Road build	600	600
Feb-21	0	0	0	Inactive	0	600
Mar-21	0	0	0	Inactive	0	600
Apr-21	0	0	0	Inactive	0	600
May-21	0	0	0	Inactive	0	600
Jun-21	0	0	0	Inactive	0	600
Jul-21	32.6	0	0	Inactive	32.6	632.6
Aug-21						
Sep-21						
Oct-21						