



## Appendix A

### Mon Property Advanced Exploration V. 2.0

#### Introduction

The Mon Property has been explored intermittently since the discovery of gold on the property in 1936. It has been held continuously since then and has seen episodic exploration programs.

This program is a continuation of the previous programs, consolidating MV2015C0015 and MV2013C0021, and associated licenses into a single permit. No new or additional activities are contemplated, nor has the scope of the project changed.

#### History

1937 to 1938	Discovery, shaft sinking, lateral underground development on A-Zone
1947	First 3 drill holes on A-Zone, confirming similarity to the Discovery Mine
1950	364 m diamond drilling on A-Zone
1961	Geophysical survey
1963	10 diamond drill holes on A-Zone
1965-1975	Jack Stevens extracts 200 tons of high-grade ore from A-Zone
1986-1987	23 diamond drill holes on A-Zone
1988 -1997	Underground access and bulk sampling of A-Zone. This included the establishment of a slurry tailings storage facility (TSF) which has been reclaimed. Permitted under NWT Land and Water Board, carried over to MVLB.
2012 to present	Webb renews permits and drills six diamond drill holes on A-Zone, acquires three additional claims, completes property-wide geophysical program and property wide biogeochemical program. Discovers Nelson Lake VMS deposits. Completes base-line studies, archeological survey, cleans up old unrelated camp sites. Permitted under the MVLWB

All exploration and development work will be focused on four initiatives:

1. Underground development and sampling of the A-Zone
2. Expansion of the A-Zone laterally and to depth
3. Exploration of potential shear zone gold targets
4. Exploration of volcanogenic massive sulphide (VMS) targets.

#### Infrastructure

A previously operated winter road will be used to move bulk materials and supplies into the property and to remove waste materials. All construction and disturbances that involve emplacing

infrastructure will occur on the Mining Leases, specifically in an area at the north-end of Discovery Lake. A camp will be established on the esker at the north-end of the disturbed area (see Archeological Report) for servicing all initiatives. Water for domestic purposes will be drawn from Discovery Lake, and grey and black water will be processed through a containerized three-stage bioreactor with processed water discharged to the north of the esker into a large dry basin. Access roads and trails will be constrained to areas where infrastructure is laid out.

Power will be generated by diesel units according to needs, with the larger units reserved for when needed.

#### Land Use Summary

<b>Activity</b>	<b>Length (m)</b>	<b>Disturbance (Ha)</b>	<b>Timing</b>
Winter Road Land	10,290	6.2	Winter
Winter Road Water	34,960		Winter
Camp/Mine site		6.3	All Season
Incl. DST		<3 Ha	All Season
Drill Pads (ea)	50x50m	0.25	Seasonal
Trenches (ea)	10x5	0.005	Summer
<b>Totals</b>		<b>&lt;20 Ha</b>	

#### Operations

Underground mining will access the North Ramp through a reopened North Portal. Waste rock will be characterized by geology and stored in specified marked areas, or if NAG, used for road base or laydown areas. Mineralized rock will be stockpiled for processing.

Mineralized rock will be processed in a crush, grind, gravity plus flotation plant with three products:

1. Gravity concentrate will be melted in a dore furnace with product flown off site to refiners for final sale, and
2. Flotation concentrate with by bagged and stored for shipment off site to smelters or buyers of this product, and
3. Tailings will be thickened and filtered for dry stack disposal (DST).

The DST will be located north of camp in a small basin. All water will be recycled. Entrained water losses will be supplemented first by mine water discharge or secondly by make-up water from Discovery Lake.

All exploration programs across the property and at the A-Zone will include mapping and sampling of rocks, soils, plants, or water. Selected areas will see geophysical studies, trenching, or diamond drilling. These areas evolve as exploration progresses but occur anywhere across the property. Any work involving disturbances of land will be specified with maps and plans prior to execution.

## Water Use Summary

Activity	Volume Daily	Volume Annually (excluding recycled water)	Source Lakes
Winter Road	25	200	Prosperous, Bluefish, Quayta, Sito, Discovery
Domestic	3	900	Discovery
Mining	Initial 15 days, 15, thereafter 3	200	Discovery, UG
Processing	100	5000	Discovery, UG
Drilling	3	300	Discovery, A, B, C, D, E
Trenching	Nil	Nil	NA

## Location of Lakes

Lake	Easting (NAD83 Z.11)	Northing (NAD83 Z.11)
Prosperous	643,500	6,945,300
Bluefish	640,100	6,953,800
Quayta	638,900	6,966,000
Sito	638,900	6,974,400
Discovery	635,900	6,977,040
A	636,400	6,974,850
B	636,750	6,974,500
C	636,700	6,975,200
D	635,600	6,976,100
E	635,400	6,976,150

Equipment for all of these activities include:

Number	Equipment	Weight	Use
2	Pick-up	2000 kg	Local transport
1	Jumbo	3,000 kg	Underground drilling
2	Scooptram	12000 kg	Rock loading
1	Bulldozer	<20000 kg	leveling blast rock, road maintenance
2	Truck	<5000 kg	rock truck
1	Quad	<1000 kg	Site transport
2	Compressor	2 000kg	for mining
2	Generator	15,500kg	camp and mine power
8	Container	3600kg	Bioreactor, shop, and storage
6	Camp Trailer	18,000kg	living quarters
2	Explosive Magazine	15,000kg	one cap and one explosive
1	Fuel Tank*	20,000 kg	fuel storage
2	Propane tank	1000kg	cooking and heating

1	Assorted hand tools	<50 kg ea.	Maintenance
1	Diamond drill	<2,000 kg	Core drilling, exploration
1	Coil Stove	100 kg	Core drilling, exploration
1	Sloop	1000 kg	Carry drill supplies, rods, tools, hose
4	Water pump	100kg	water supply, sump
2	Boat and outboard	<500 kg	Crew transport
1	Incinerator	<1000 kg	Domestic use
1	Assorted Mining tools	<1000 kg	Mining
2	Snowmobiles	<500 kg	Crew transport
1	Skidder	4,000 kg	Moving diamond drill
1	Crushing plant	20,000 kg	Jaw and cone crushers complete with grizzlies, conveyors and bins, incl. motors, electrical connections and switch gear
1	Grinding plant	30,000 kg	Ball mill incl. motors, electrical connections and switch gear and piping.
1	Gravity recovery circuit	2,000 kg	Denver duplex jig (or equivalent) incl. motors, electrical connections and switch gear and piping
2	Flotation circuit	2,000 kg	Bank of Denver #12 sub A or equivalent incl. motors, electrical connections and switch gear and piping, Conditioners
1	Filtration	2,000 kg	Drum filter, 6 x 6 or equivalent incl. motors, electrical connections and switch gear and piping, thickeners
4	Pump boxes	1,000 kg	To move slurry from gravity discharge to thickener, to flotation circuit, to recirculation pond, from recirculation pond
2	End dump trucks	20,000 kg	20 tonne or equivalent to move filtered sands to dry stack
1	Excavator	15,000 kg	Cat120 – 200 or equivalent

\* Changes to the permitting of fuel tanks may make bulk tanks impossible to install, permit, and fill in a single winter road season. In this situation, 205 litre drums may be the only viable alternative to the up to 100,000 litres of diesel required (approximately 500 drums).

#### Licenses and Permits

<b>MON PROPERTY – TENURE TABLE</b>					
<b>Mon Property – LEASE INFORMATION</b>					
<b>LEASE NUMBER</b>	<b>LEASE NTS</b>	<b>LEASE ISSUED</b>	<b>LEASE EXPIRES</b>	<b>LEASE ACRE</b>	<b>OWNER<sup>1</sup></b>
3004	085J16	12/11/1959	12/11/2022	36.87	New Discovery Mines Ltd.
3005	085J16	12/11/1959	12/11/2022	44.66	New Discovery Mines Ltd.

3006	085J16	12/11/1959	12/11/2022	56.28	New Discovery Mines Ltd.
3007	085J16	12/11/1959	12/11/2022	49.72	New Discovery Mines Ltd.
3008	085J16	12/11/1959	12/11/2022	47.54	New Discovery Mines Ltd.
3009	085J16	12/11/1959	12/11/2022	41.39	New Discovery Mines Ltd.
3010	085J16	12/11/1959	12/11/2022	58.64	New Discovery Mines Ltd.
3011	085J16	12/11/1959	12/11/2022	42.8	New Discovery Mines Ltd.
3012	085J16	12/11/1959	12/11/2022	58.57	New Discovery Mines Ltd.
3013	085J16	12/11/1959	12/11/2022	43.87	New Discovery Mines Ltd.
3014	085J16	12/11/1959	12/11/2022	17.8	New Discovery Mines Ltd.
			TOTAL AREA	498.14	

### MON PROPERTY – CLAIM INFORMATION

CLAIM TAG NUMBER	CLAIM NTS	CLAIM ISSUED	CLAIM EXPIRES	CLAIM ACRE	OWNER
F76520	085J16	19/03/2015	18/03/2023	258.25	New Discovery Mines Ltd.
F76521	085J16	19/03/2015	18/03/2022	464.85	New Discovery Mines Ltd.
M11200	085J16	1/24/2018	1/24/2020	315.68	New Discovery Mines Ltd.