



60 NORTH GOLD

# Restarting High-grade Gold Mining at the Mon Gold Mine in the Yellowknife Greenstone Belt .....and more

Presented by D.R. Webb, Ph.D., P.Geol., P.Eng.  
President and CEO



# Caution



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Sixty North Gold Mining Ltd. is a British Columbia company ("the Company"). All statements in this presentation are made as at September 7, 2023. This presentation contains "forward-looking statements" within the meaning of applicable securities laws, including statements relating to proposed or anticipated work programs, plans for development of the Mon Property, and/or anticipated financings. Actual results and developments may differ materially from those contemplated by these statements. Factors which may lead the Company to not proceed with anticipated work programs, construction or development projects and studies include factors such as analysis of the exploration results may lead to a determination that further exploration or development is not warranted, delays by weather and other constraints, insufficient funding, delays as a result of early or late onset of winter conditions, availability of personnel and equipment to conduct work programs, a decline in precious metals prices, permit reviews, information requests and other factors not within the Company's control, changes in market conditions, and insufficient financing to complete work programs. Factors that could cause the Company to not proceed with, or reduce or increase, anticipated financings include change in market conditions and changes in the Company's exploration and development plans.

If the Company is unable to complete future financings, the Company may have to delay or alter its operations plans. In addition, the proceeds of the future financings may not be sufficient for the Company to complete its earn in and acquire the Hangstone Property. The Company will require additional financing to complete the acquisition, which may result in further dilution to investors. If the Company is unable to complete the earn in, it will lose its interest in the Hangstone Property. The factors identified above are not intended to represent a complete list of the factors that could affect the Company. Although the Company has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward looking statements, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended.

There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. The Company does not undertake to update forward-looking statements, except where required by law. Readers should not place undue reliance on forward-looking statements.

No Mineral Reserves or Mineral Resources as defined within the meaning of NI 43-101 have been established on the Mon Gold Property. No Preliminary Assessment (PA), Preliminary Feasibility (PFS), or Feasibility Study (FS) has been completed on the property, and the Company does not anticipate that its work programs will result in the establishment of mineral resources, mineral reserves, or an economic study, on the Mon Gold Property. Readers are cautioned that, as not all risks may have been identified at the time of a production decision is made, mineral properties developed in the absence of a PFS and FS have a higher risk of failure. Investors should consider the investment in securities of the Company as a speculative investment.

Technical information in this presentation has been prepared and reviewed by Dr. Dave R Webb, Ph.D., P.Geol., P.Eng., who is a qualified person for the purposes of NI 43-101, and is the controlling shareholder of Giauque Holdings Ltd. (the royalty holder of the Mon Gold Property) and a principal of New Discovery Mines Ltd. (the vendor of the Mon Gold Property). The technical information in December 11, 2017 prepared on Form NI 43-101F1 by David Dupre, P. Geo, and Kevin Fitzpatrick, P. Eng., qualified persons for the purposes of NI 43-101 who are independent of the Company and the property vendor.



Sixty North Gold controls approximately 620 hectares of mineral rights in the Yellowknife Gold Belt, NWT, Canada (mineral leases valid to 2043). The property hosts:

1. Past producing gold mine at the A-Zone - includes owned underground mining equipment, shops, supplies.
2. Shear Zone hosted gold exploration targets.
3. Precious-metals rich Volcanogenic Massive Sulphide (VMS) targets.

Development focus includes the gold mine at A-Zone which is licensed to operate at 100 tpd.

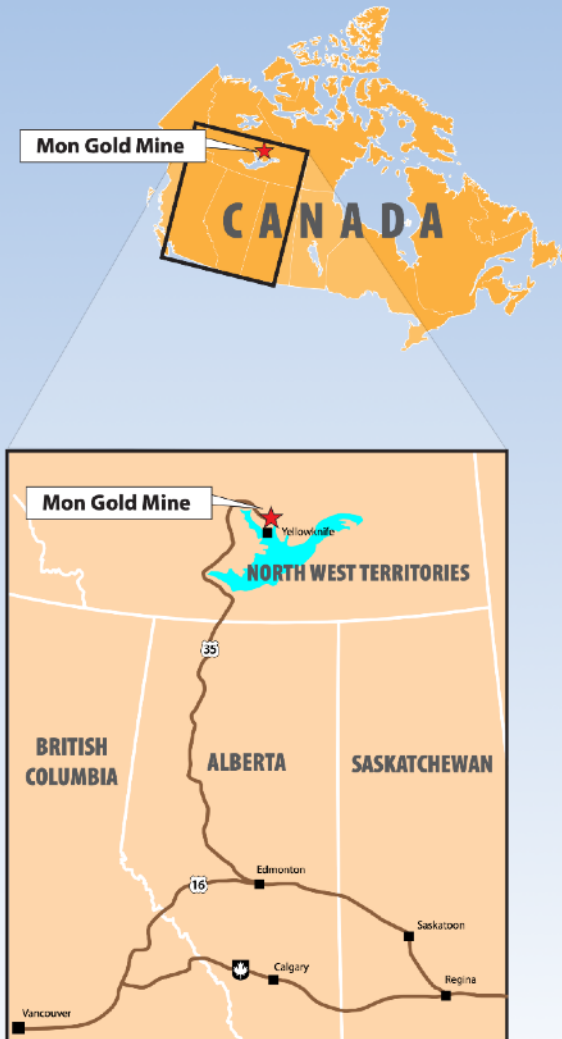
Exploration focus of the shear zone gold and precious-metals-rich VMS targets ongoing.



# Yellowknife Gold Belt



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SIXTY NORTH GOLD MINING LTD. – CSE: SXTY – FRANKFURT: 2F40 – OTC-PINK: SXNTF



# Mon Mine - Layout and Facilities



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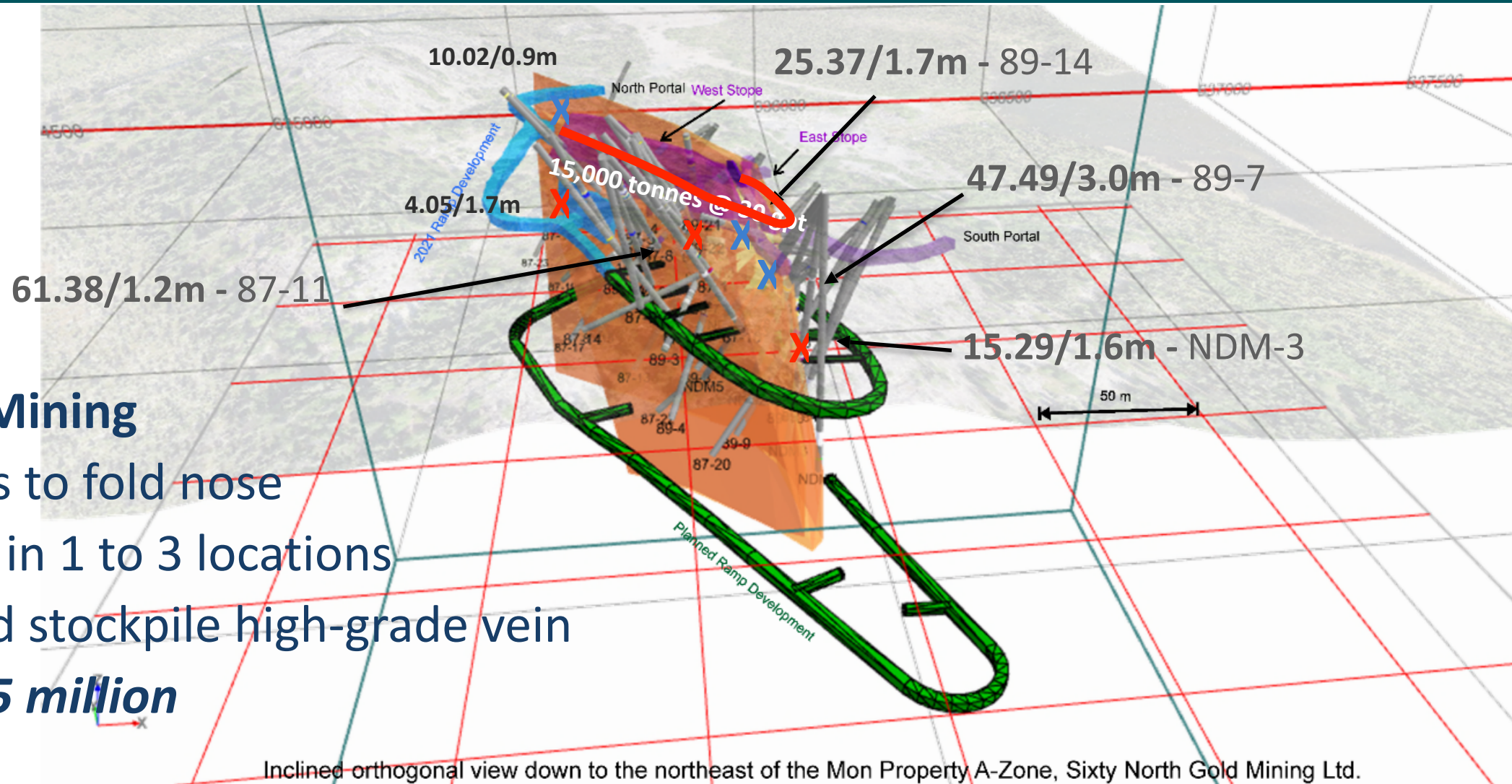




# Development Plans - Phase 1



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## Commence Mining

- Drive access to fold nose
- Access vein in 1 to 3 locations
- Remove and stockpile high-grade vein
- **Budget \$1.5 million**

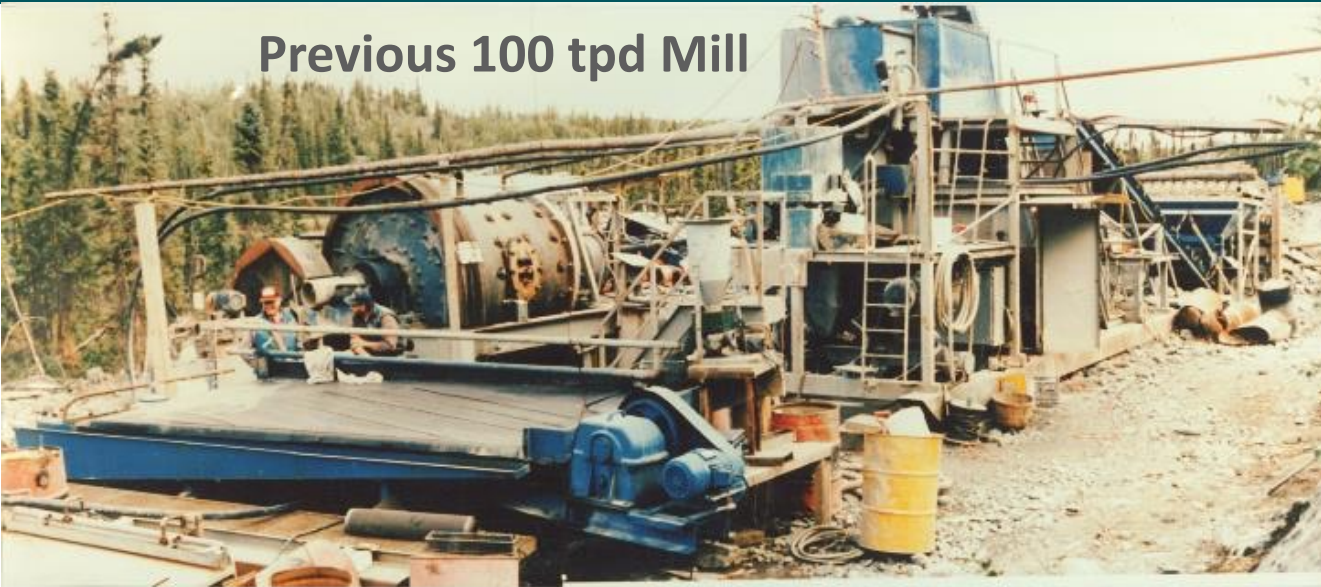


# Development Plans - Phase 2



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Previous 100 tpd Mill



## Commence processing

- Acquire and install mill
- Restock fuel, explosives, spares
- Commence operations, pour gold dore bars
- ***Budget \$2.2 million***



Gerry Hess  
tabling gold  
concentrate

# Shear Zone Gold Exploration Targets



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The Con and Giant gold mines produced 13 million ounces of gold from 26 million tonnes of ore from shear zones cross-cutting Kam Group volcanic rocks of the Yellowknife Supergroup.

Five shear zones, all recessive weathering and each up to 3.5 km long transect Kam Group volcanic rocks on the Mon Property.

Minor splays of these shear zones are exposed and contain gold values  $>7$  gpt over widths of 6.0 m. None of these shear zones have been drilled.

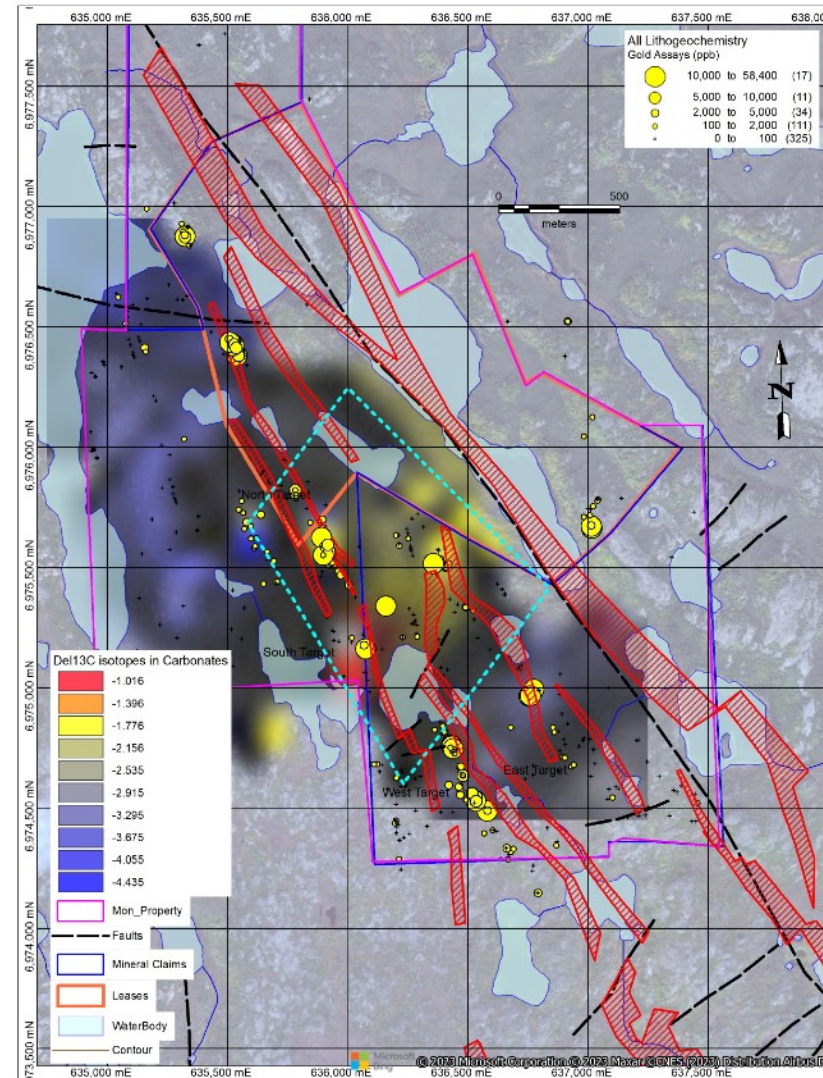
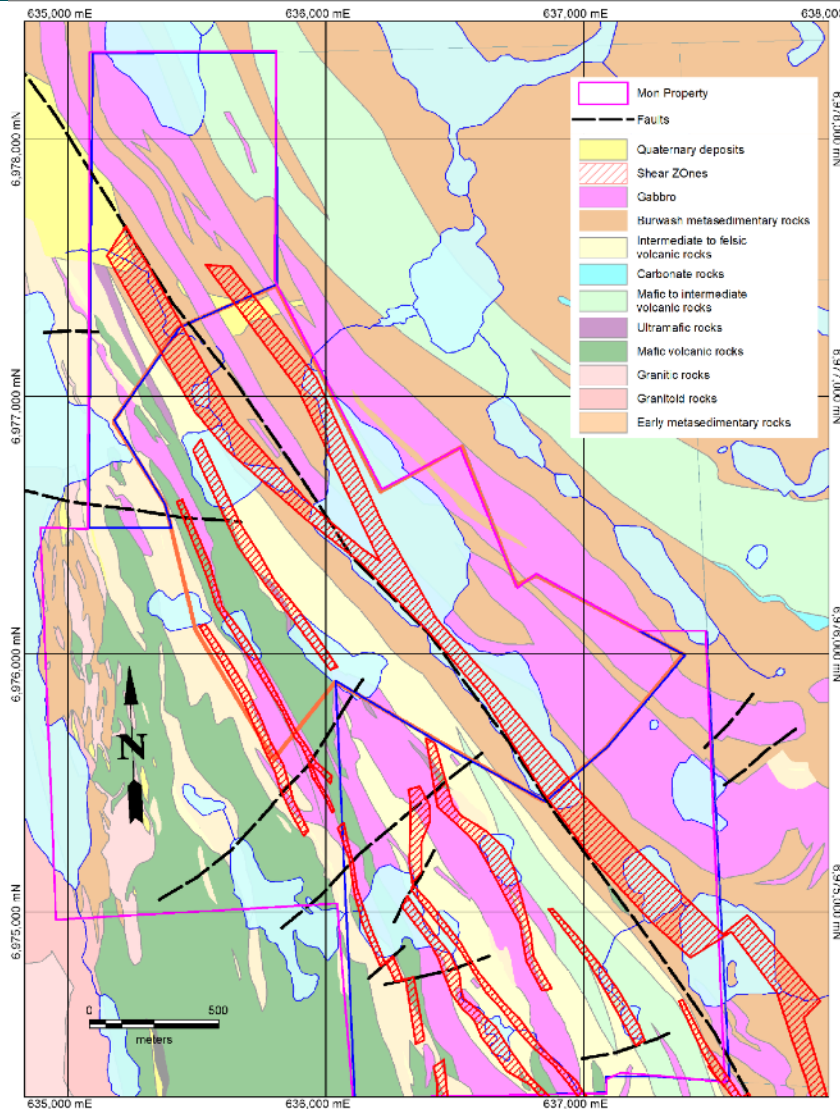
Geochemical targeting guide us in the larger unexposed shear zones.



# Shear Zone Gold Exploration Targets



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Program:  
diamond drill  
10 holes  
**Budget \$1.2  
million**



# VMS Exploration Targets

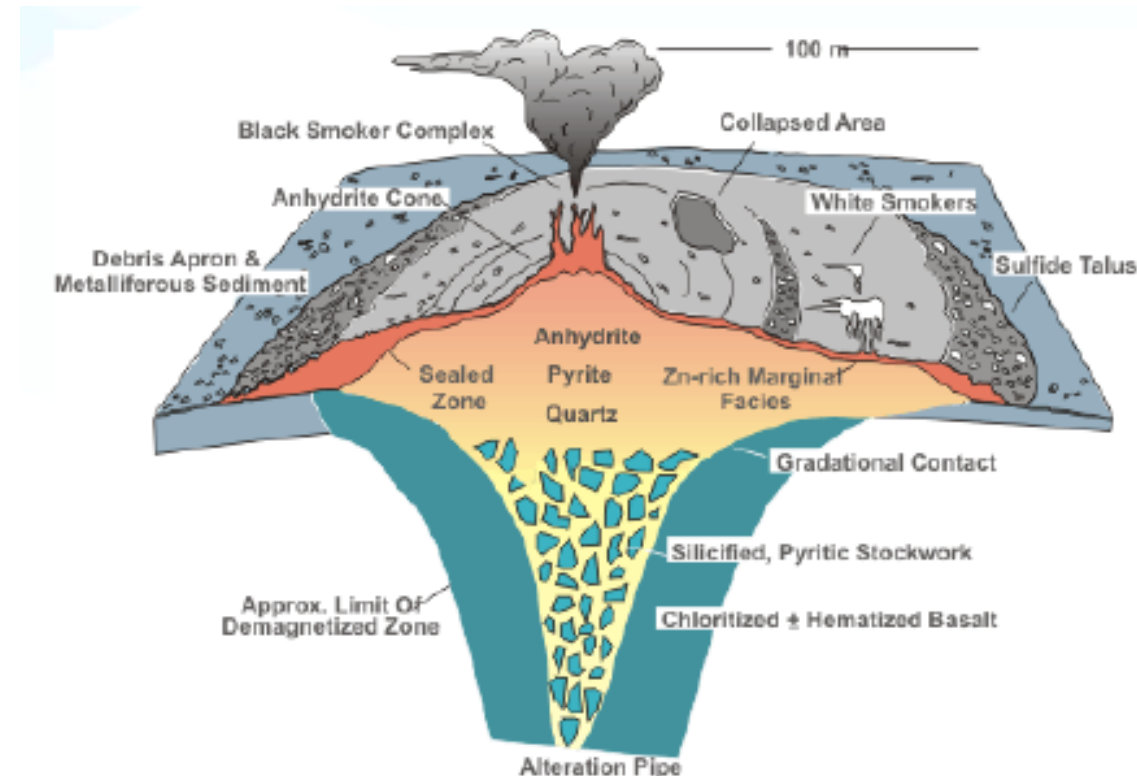
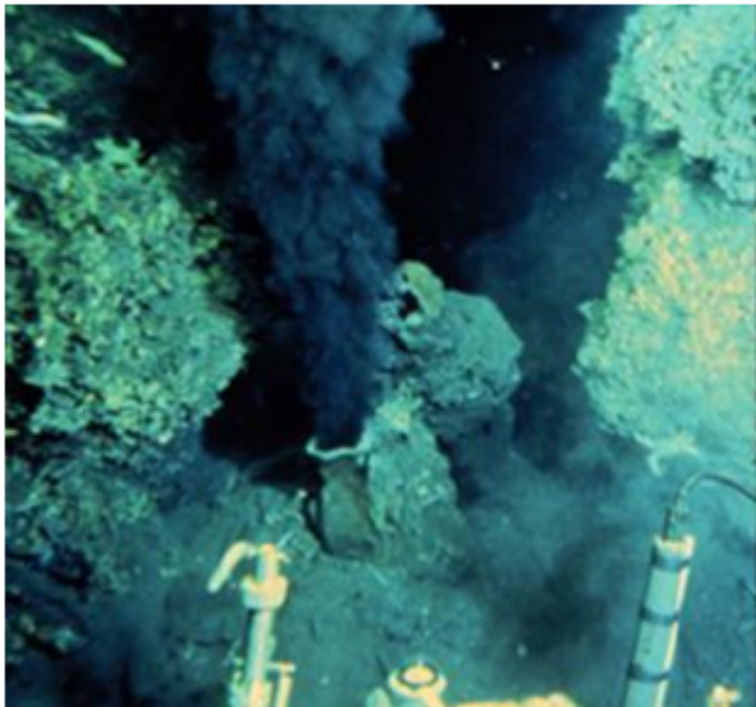


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**Commodities include: Cu\*, Pb, Zn\*, Ag, Au, (Bi\*, Co\*, Cd, S, Se, Sn\*, Ba, gypsum)**

*(\*Canadian-declared Critical Metals)*

- Predominantly layered accumulations of sulphide minerals that precipitate from hydrothermal fluids on or below the sea floor.
- In modern oceans these are synonymous with black smokers.

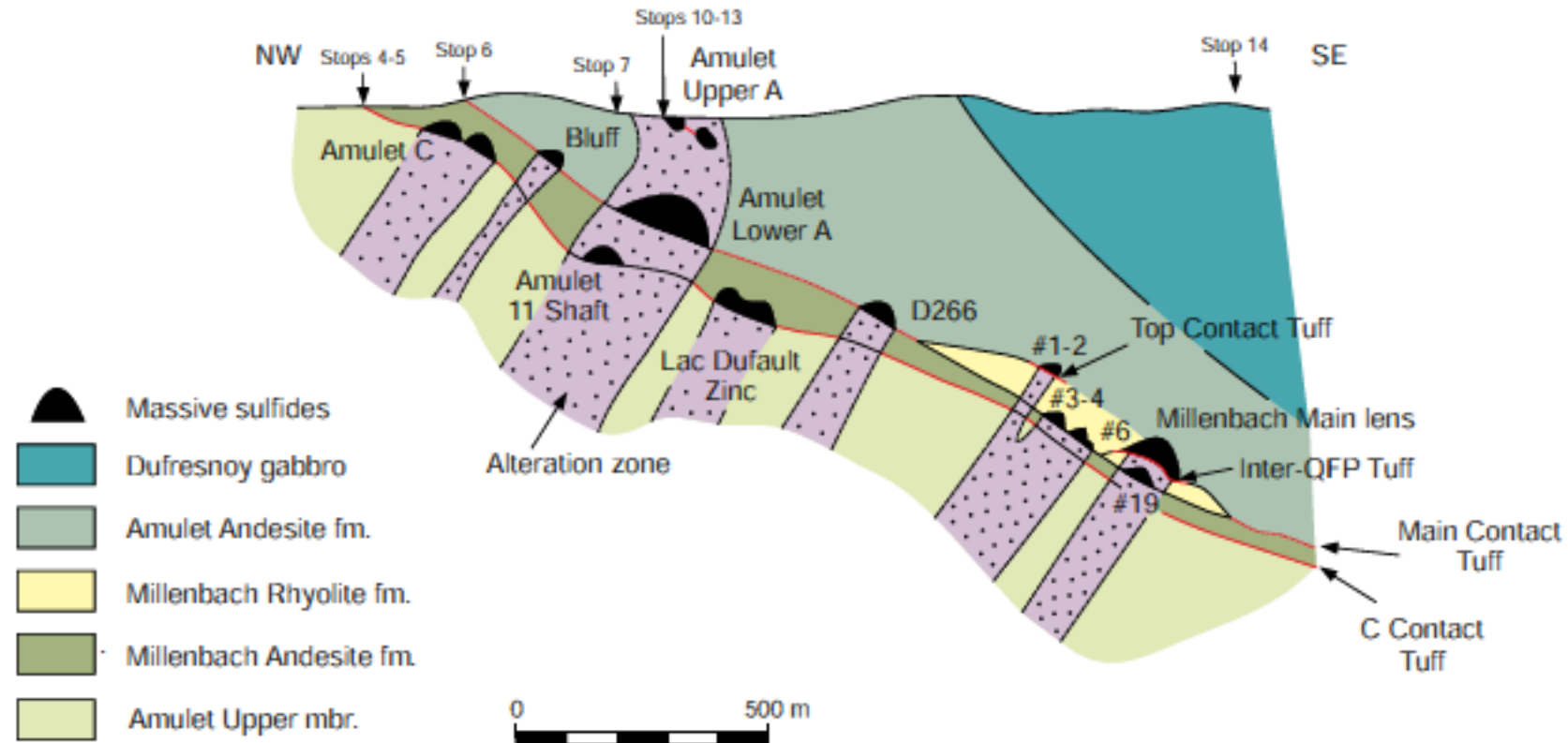




# VMS Exploration Targets



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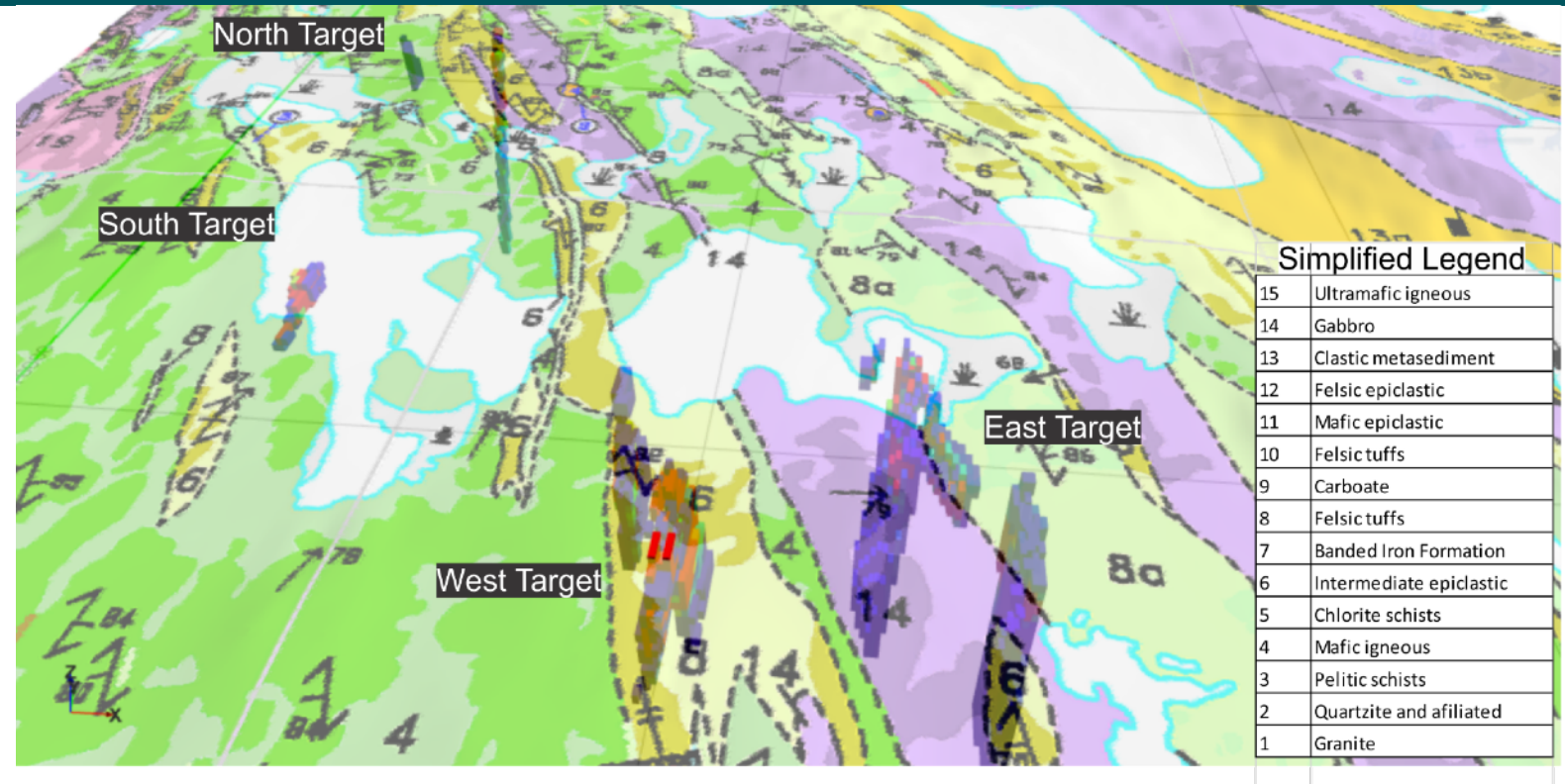
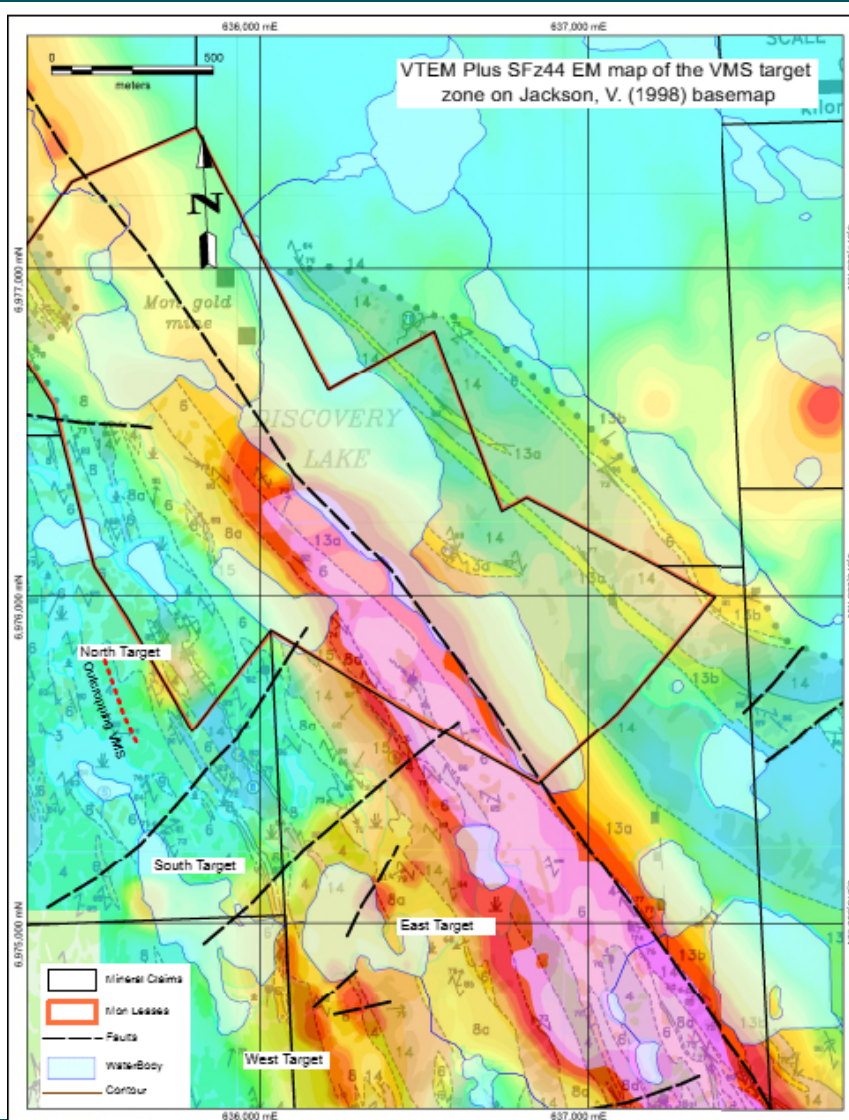
The VMS deposits in Noranda Quebec are constrained to one or two favourable horizons, and are generally <200m across individually.



# VMS Exploration Targets



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Four conductors with magnetic responses similar to VMS deposits have been modeled by Mira Geoscience using VTEM Plus geophysics. One has outcropping mineralization associated with it. ***Diamond drill 4 holes - budget \$420,000***

# Directors and Management



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## Sixty North Gold Mining Ltd.

1. Tom MacNeill, CPA, CGA, CFA  
Chairman of the Board
  2. John Carter, Director
  3. Dr. Dave R. Webb, B.A.Sc., M.Sc.,  
Ph.D., P.Geol., P.Eng.; Director,  
President & CEO
  4. Ronald L. Handford, B.A.Sc., MBA;  
VP Corp. Dev. & Corp. Secty.
- Andriyko Herchak, B.Comm., CPA, CA; Director
  - Brian Malahoff, P.Geo.; Director
  - Bill Van Breugel, P.Eng.; Director
  - John Campbell, MBA, CFA, CPA; CFO



# Key Operations Personnel



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## **Dr. Dave R. Webb, Ph.D., P.Geol., P.Eng.**

has over 40 years of experience, completed his M.Sc. and Ph.D. in Yellowknife. He discovered four gold deposits in Yellowknife (one into production, three to Feasibility Studies and permitting). He acquired the Mon Property in the late 1980's from Cominco Ltd. and developed it into production in the 1990's.

## **Rod McKay**

Mine Manager - Mon Gold mine project, has worked as a project superintendent on numerous underground mining projects, including responsibility for milling operations and exploration activities. He has more than 40 years of diversified work experience in all aspects of underground mine construction, operation and maintenance, including in the NWT.

## **Gerry V. Hess**

Operations Advisor, is a former Mine Manager of the Mon Mine, and underground superintendent at four other mines in the Yellowknife area. He has been an independent mine contractor installing several kilometres of underground workings at various remote sites and has been a former contractor at one of the NWT's diamond mines.

# Capital Structure and Trading



## SXTY Trading:

1. CSE: SXTY
2. OTC-Pink: SXNTF
3. Frankfurt and Tradegate Exchange 2F40
4. Market Cap : \$3.9 million CAD (2023-09-07)

2023-09-07	Shares, warrants and options
Shares	27,643,837
Warrants (\$0.18 - \$1.00 - if exercised, raise \$2.068 m)	7,132,291
Options (\$0.50 - \$1.20)	605,000
Fully Diluted	35,381,128
Note: Management, Directors and Insiders hold 45.7% of outstanding shares	





# Contact



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P.Eng.

President & CEO

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**CSE: SXTY**

**FRANKFURT: 2F40**

**TRADEGATE: 2F40**

**OTC-PINK: SXNTF**



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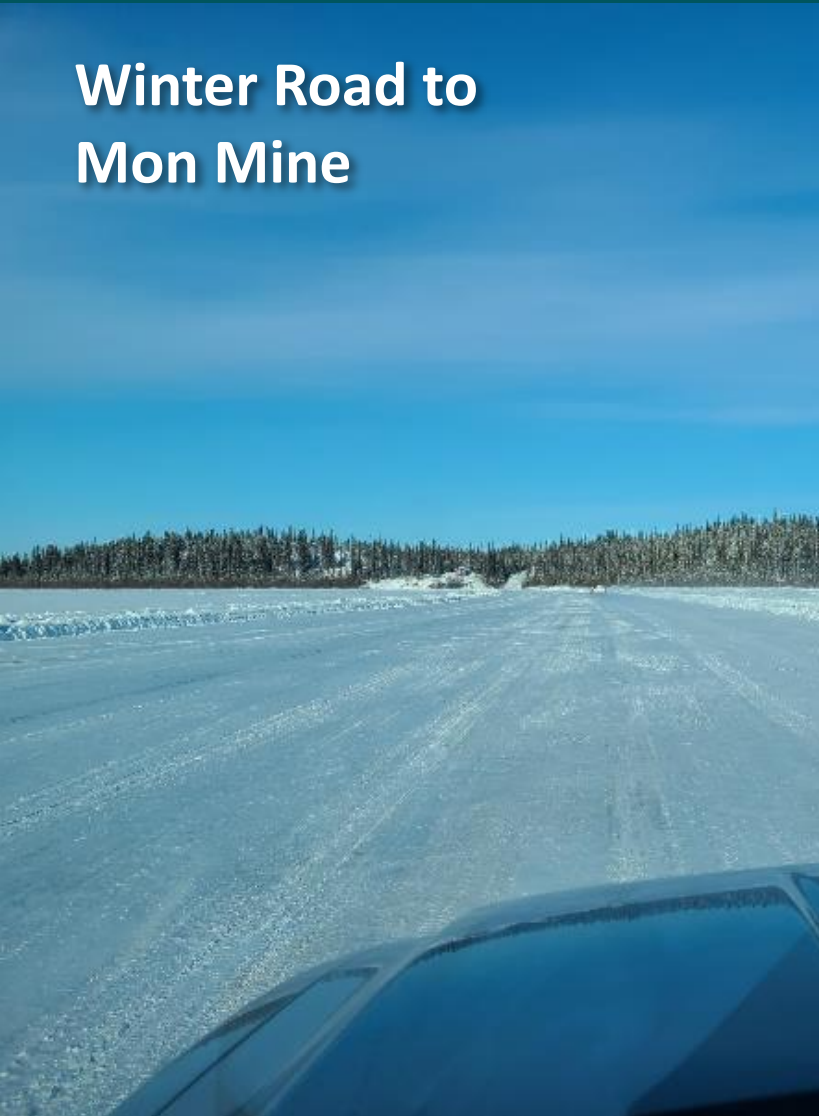
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# Mon Mine - 40 km from Yellowknife NWT

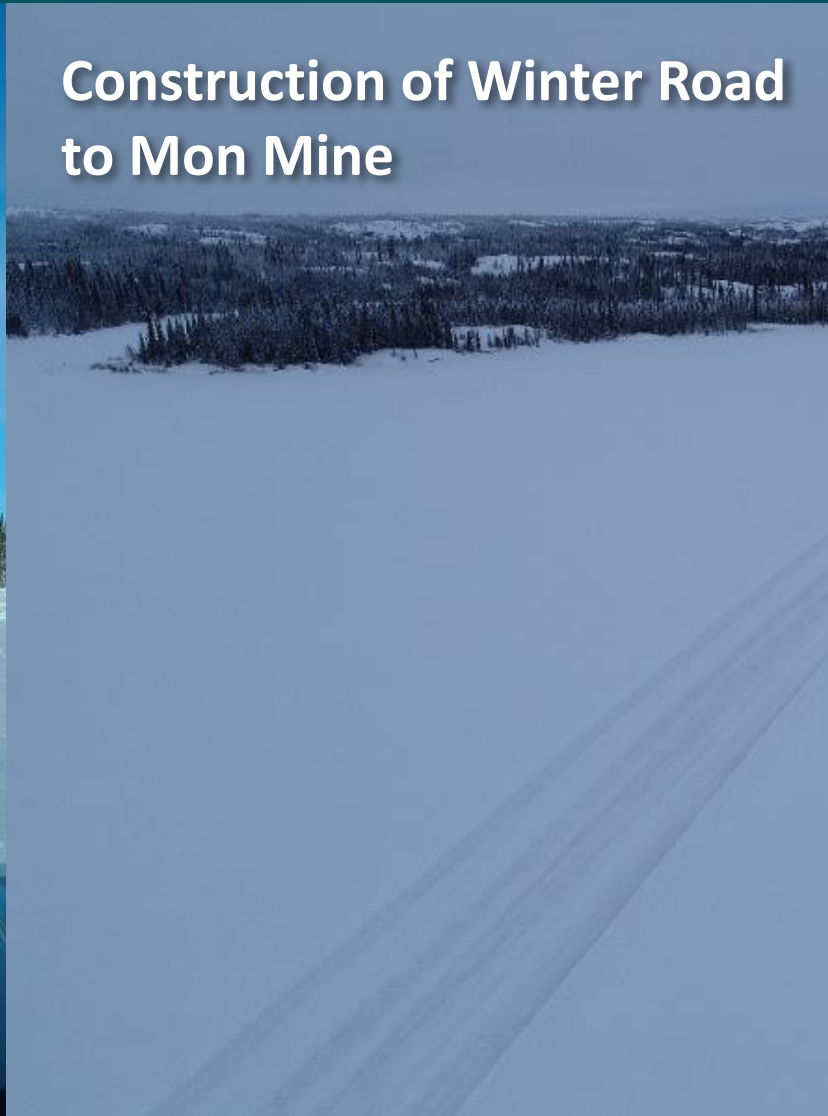


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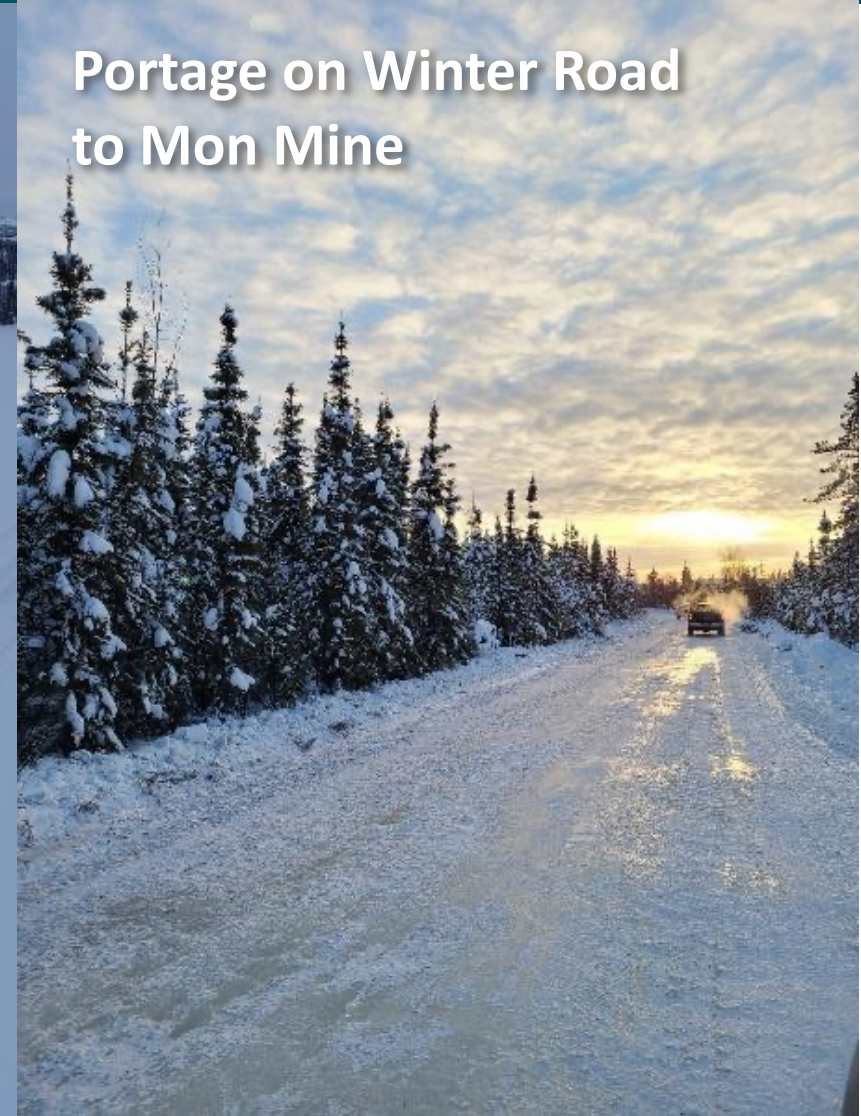
Winter Road to  
Mon Mine



Construction of Winter Road  
to Mon Mine



Portage on Winter Road  
to Mon Mine

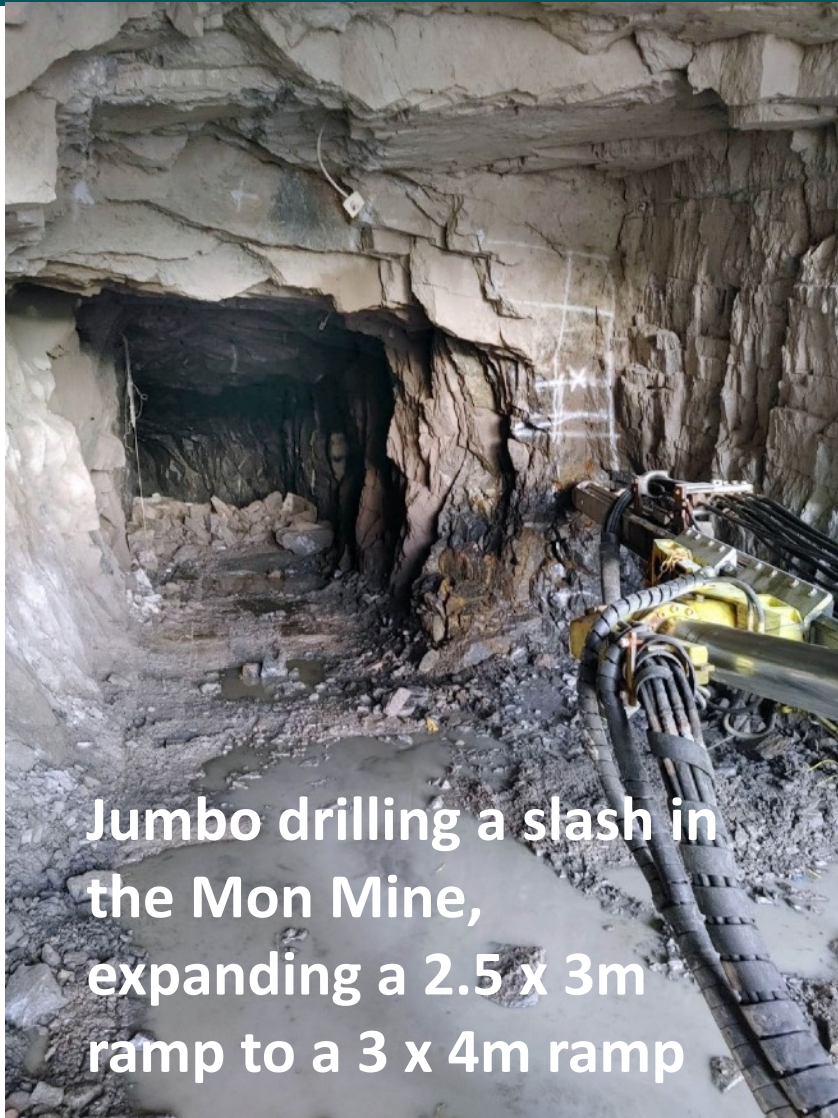




# Photos



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Jumbo drilling a slash in the Mon Mine, expanding a 2.5 x 3m ramp to a 3 x 4m ramp

Two yard Scooptram on Mon Property





# Photos



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Aerial View



Gold button from Mon metallurgical testing