



60 NORTH GOLD

Mon Gold Property near Yellowknife, NWT, Canada

**High-Grade Gold Mining:
Restarting a Past Producing
Gold Mine**

Cautionary Statement



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Sixty North Gold Mining Ltd. is a British Columbia company ("the Company"). All statements in this presentation are made as January 6, 2022. 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 Mon Gold 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 Mon Gold 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.

Investing in Junior Mining Companies



Exploration

Takeovers from advanced explorers and producers will increase significantly in the next few years.

Valuation based upon NI 43-101
Resource/Reserve

Company	Ounces Reserve/Resource	Value/Oz (Invested/oz)
New Found Gold	0	na
Gold Terra	1.2 million	\$38 (\$32)
Night Hawk	3.0 million	\$25 (\$27)
Gold Mining Inc	32.4 million	\$9 (\$2)

Production

Takeovers of producers are currently high:

Company	Ounces Reserve/Resource	Value/Oz
Pretium	4.2 million	\$833
Kirkland Lake	48 million	\$281
Victoria Gold	4.8 million	\$229

Why not Explore?

Plan A.

- Exploration target must be within the target range for an acquisition (>1 million ounces).
- Represents a minimum of 15 million tonnes at 2 gpt.
- 50 m x 50 m x 10 m block represents 65,000 tonnes, or approximately 230 drill holes (all hitting), or about \$25 million investment.
- Value <\$40 million.

Plan B.

- Mineable target must have >30,000 oz of high-grade and potentially profitable material.
- Accessible within 20 m of surface.
- Represents 30,000 tonnes at 30 gpt, requires 240 m UG development, 3 stopes, or about \$8 million investment.
- Contains \$2,300/tonne, >\$60 million.

Mon Gold Property



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- **Mon Gold Property is a high-grade past producing (1989–1997) gold mine, from which 15,000 oz. of gold was produced from 15,000 tons of ore.**
- Through Q3 - 2021, about \$4.8 million has been funded into the project, for purchase of mining equipment, camp, and supplies needed for mine development, drilling below old stopes, geophysics and surface exploration in VMS and shear zones.
- Metallurgical testing of a quarter tonne sample yielded recoveries averaging 98.8 % at a grade of 158 gpt gold.
- High grade samples up to 688 g/t gold over 0.5m have been recovered from the crown pillar.
- The mineralization identified in the Mon A-Zone appears to be a viable exploration target for a “Discovery Mine” type of deposit.
- Mining equipment and camp on site.
- **Land Use Permit and Water License for mining and milling production at 100 tpd are in place – the Mon is the only gold project in the NWT permitted for production.**
- Shear Zone hosted gold deposits (similar to Con and Giant Mines) have been identified on the property (7.22 gpt gold over 6.0 m). These have never been drill-tested.
- Precious metals-rich Volcanogenic Massive Sulphide (VMS) have been discovered on the property (203 gpt Ag, 1.0 gpt Au, over 0.45 m). These have advanced geophysical modeling completed. These have never been drill-tested.
- Optioned contiguous Hangstone property has shear zone, VMS, and bulk mineable potential.

Yellowknife Gold Belt, Mines and Regional Exploration

- The Yellowknife Gold Belt extends in a north-south direction for over 100 km.
- The Con Mine (pp 6 million ounces at 16 gpt) and the Giant Mine (pp 8 million ounces at 16 gpt) are hosted in large shear zones
- The Discovery Mine (pp 1 million ounces at 32 gpt) and the Mon Mine (pp 15 k ounces at 32 gpt) are hosted in metasediments at metavolcanic boundaries.
- The region has come into focus again as multiple exploration companies are exploring again, like Rover Metals, GoldMining or Gold Terra Resource.



Planned Dates for A-Zone Key Operational and Corporate Milestones 2022 - 2023



Q1 2022

- Complete construction of winter road and haul additional equipment and consumable supplies to site

Q2 – Q3 2022

- Complete the balance of the required \$6 million expenditures on Mon Property (\$1.2 m open at December 1, 2021) for 80% Property interest, then acquisition of the remaining 20% interest through issuance of 25% of shares of the Company
- Expand the underground development from 213 m AMSL to elevation 177 m AMSL to open up an expected 30,000 tonnes of vein below the previous stopes
- Initiate preliminary work to develop the next level below this to elevation 165m AMSL (another 45 m below the current development), targeting an additional 25,000 tonnes of vein.
- Acquire mill equipment and mobilize to Yellowknife

Q1 2023

- Complete construction of winter road and haulage of mill and stores to site

Q2 2023

- Mill and mine fully operational

Q3 2023

- First cash receipts expected from gravity gold sales

Capital Structure



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- SXTY is trading at the CSE Canadian Securities Exchange under the Symbol: SXTY
- also trading at OTC-Pink USA under the Symbol: SXNTF
- in Germany at Frankfurt and Tradegate Exchange under the Symbol: A2JKW2
- Market Cap : \$5.8 million CAD (2022-01-06)

2022-01-06	Shares, warrants and options issued
Shares	144,384,102
Warrants	85,118,922
Options	7,650,000
Fully Diluted	237,153,024
Note: Management and Directors hold 17.2% of outstanding shares	



History of the Yellowknife Producers



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- 1936, Con, Negus, Rycon Mines Discovered
- 1937 Mon Gold Mine Discovered
- 1938 Con Mine starts at 100 tpd
- 1939 Negus Mines Starts at 100 tpd
- 1944 Giant Mine Discovered
- 1947 Discovery Mine Discovered
- 1948 Giant Mine starts at 235 tpd
- 1948 Discovery Mine starts at 100 tpd



The Yellowknife NWT Region

- Yellowknife was built on mining since the 1930's: Con, Giant and Discovery mines produced 15m oz. gold.
- Yellowknife is the capital of NWT, population est. 20,000+.
- It is a cosmopolitan city with high quality hotels, restaurants, entertainment and tourist support.
- Highway access 1,470 km from Edmonton, Alberta
- Yellowknife has experienced miners, geologists, mining and exploration suppliers, technical support companies, aviation companies – helicopters, float/ski planes.



Yellowknife city; source: spectacularnwt.com



Historical photo – Giant Mine headframe;
source: ykonline.ca, credit Kyle Thomas

Access to the Mon Gold Property

- Easy 45 km to Mon Gold Property from Yellowknife: 15 minutes by helicopter, float or ski plane; options for crew daily commute or permanent camp. Gravity-recovered gold to be flown out.
- In winter, heavy equipment access by **winter road** heading to diamond mines 300 km north of Yellowknife, **passes close to the Mon Gold project** (we share winter road costs on 16.5 km to Bluefish Hydro, and pay 100 % on further 29km to Mon).
- Gold concentrate from Mon Mine will go out by winter road.



Winter road to the Mon Property; hauling heavy equipment to site March 2021



Float plane at Discovery Lake on the Mon Property



Helicopter at southern end of The Mon Property

Mon Gold Project: A-Zone North Portal, Camp and Aerial View



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Operational Equipment and Camp

- Mining equipment and camp buildings have been purchased by Sixty North Gold and were trucked onto site from Yellowknife via the winter road in March 2021.
- This equipment will be used for the bulk sample planned for 2022, and ongoing mining operations at 100 tonnes/day thereafter.



Two 2yd scooptrams



Electric/hydraulic jumbo



15 ton low-profile truck

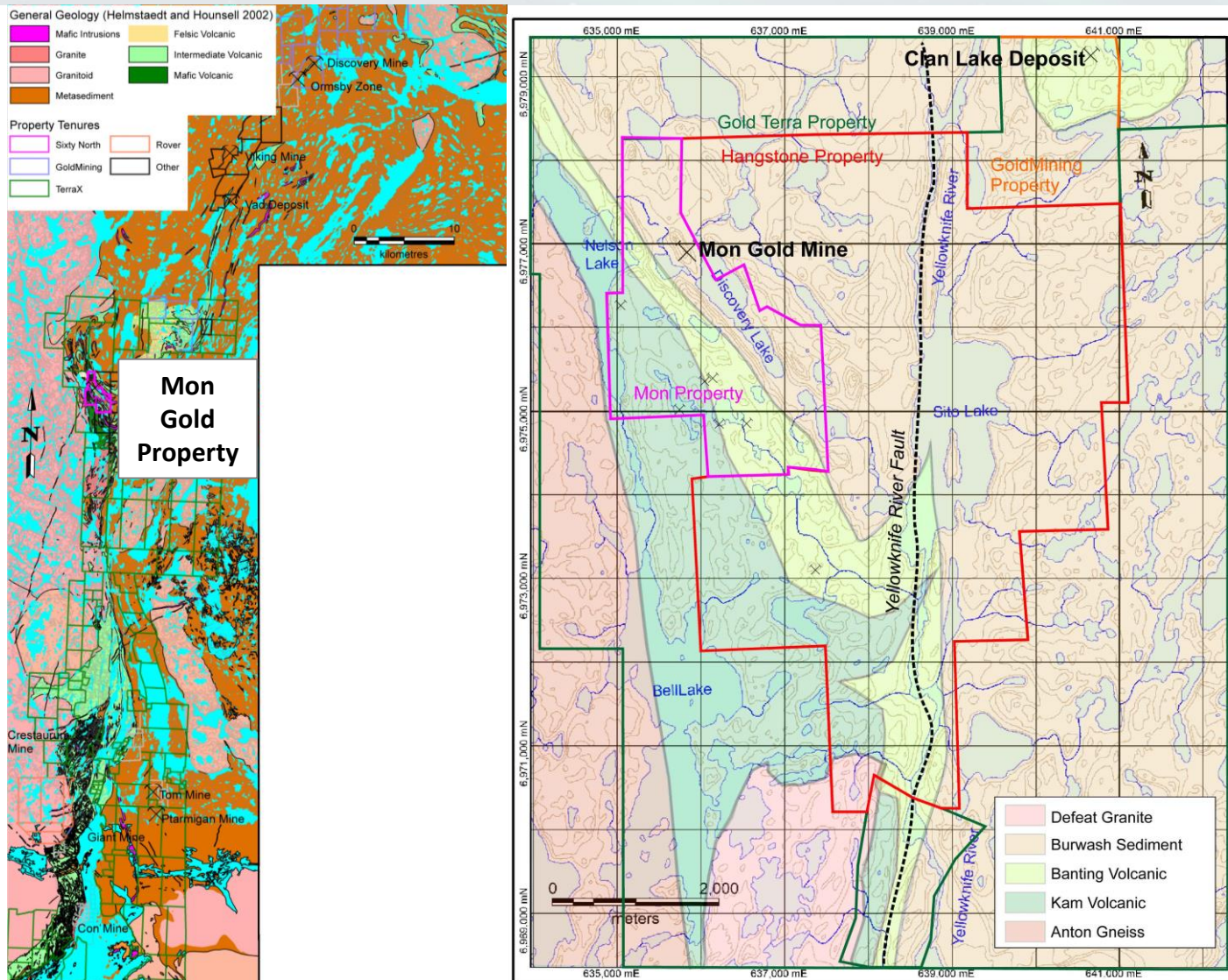


Camp from top of A-Zone



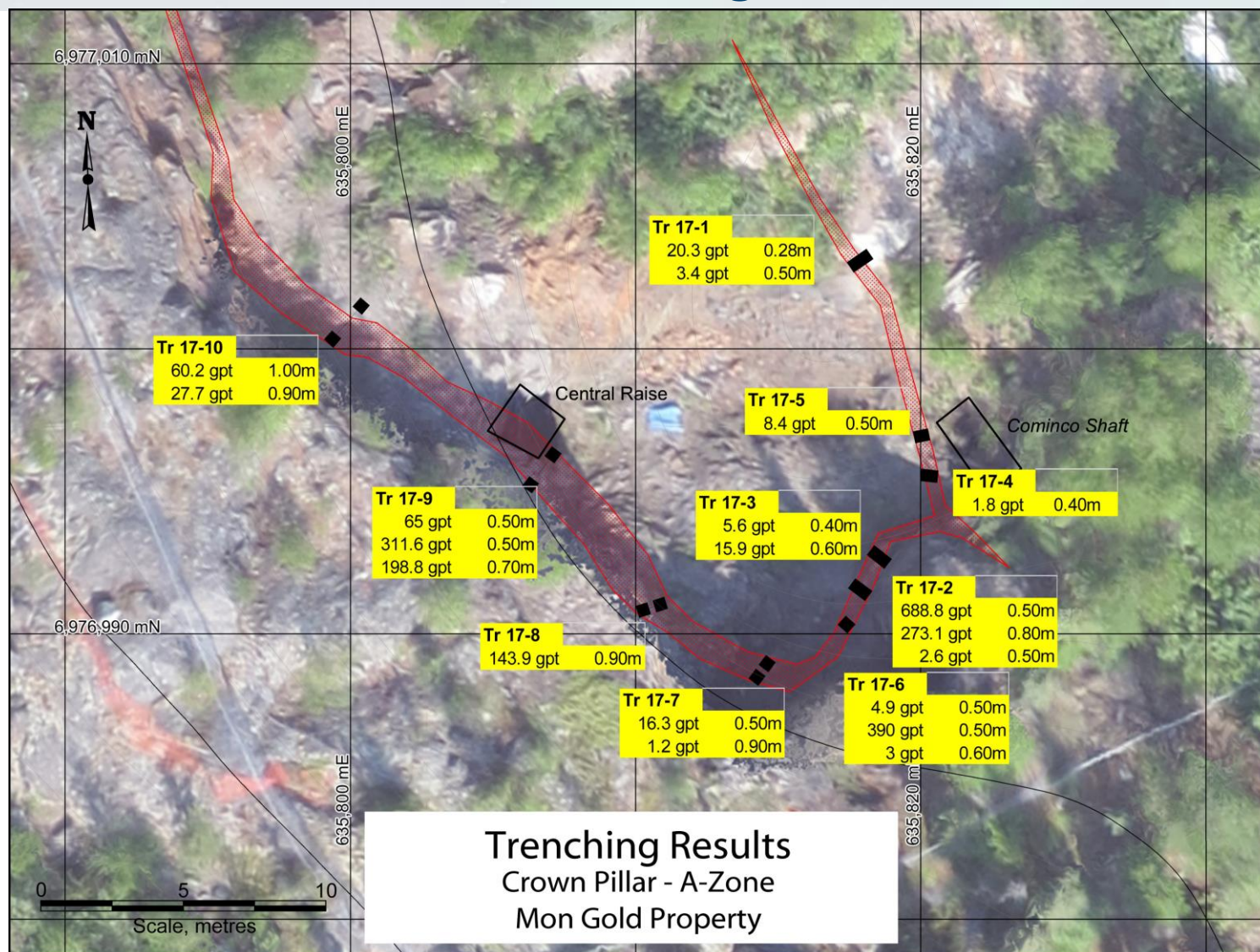
Camp, fuel tank, Discovery Lake

Regional Geology, Claims and Leases



- The Mon Gold Property is located in the Archean-aged, Yellowknife Greenstone Belt, NWT, Canada.
- Past mining in this Belt exceeds 15 million ounces of gold at grades >0.5 oz./tonne, including the Con (6 m oz.), Giant (8 m oz.) and Discovery Mines (1 m oz. at 1 oz./tonne, 1949-1969).
- The Mon Property is 622 ha in size and the recently optioned, contiguous Hangstone Property is 2,394 ha in size

2017 Prospecting Results Supports The High-grade Nature Of The Past Producing A-zone



- Samples from 1.20 gpt Au/0.90 m to 688 gpt Au/0.50 m
- A sixty-meter exposure of the crown pillar of the A-Zone was sampled by mechanical chipping in ten continuous chips across the width of the vein.
- Full details in news release August 7, 2018

Metallurgical Testing 2018: Recoveries Avg. 98.8 %

Composite ID	Sample Weight Tested	Head Grade, g/t Au		Gold Recovery, % Au		
	kg	Measured	Calculated	Gravity	Flotation	Overall
Composite 1	75.6	17.4	16.6	79.9	18.0	97.9
Composite 2	83.8	266.8	314.8	73.2	26.0	99.3
Composite 3	83.6	170.7	128.9	75.7	23.5	99.2
Composite 1+2+3	243.0	156.2	158.0	76.1	22.7	98.8

- Three composite samples totaling a quarter tonne on the crown pillar of the A-Zone
- Simple gravity and flotation circuit averaging 98.8 % recovery on 158.0 g/t Au calculated head grade
- Environmental benefit:
high recoveries without the use of cyanide leaching

One ounce button recovered from gravity test.



Former Operations of the Mon Gold Mine



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Loading a round, 1990

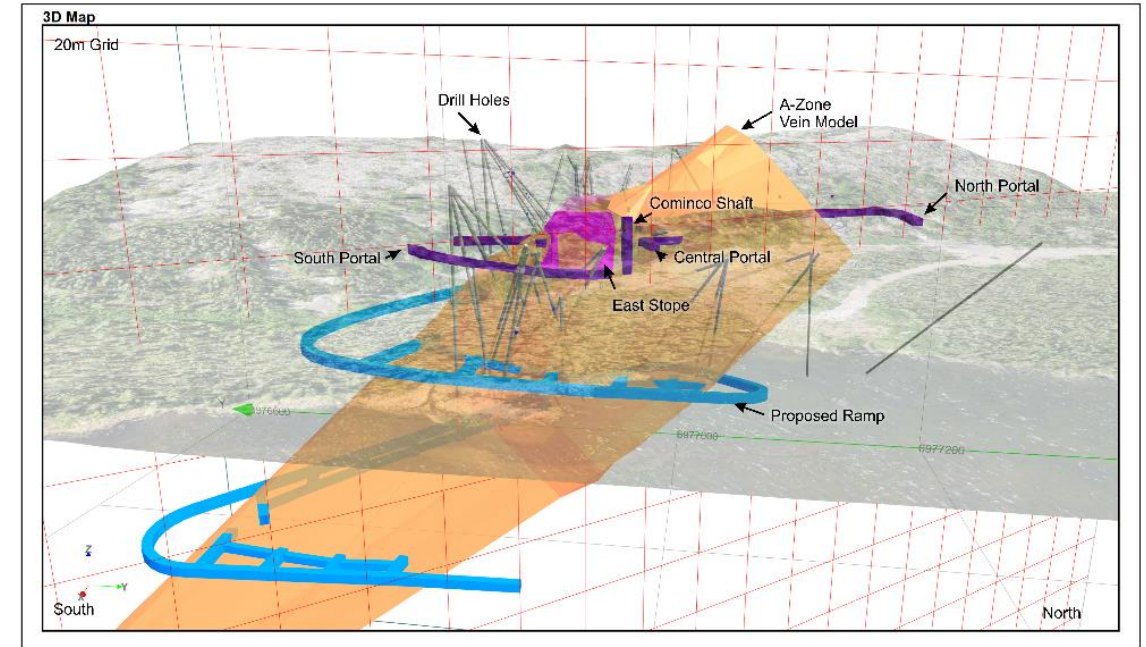
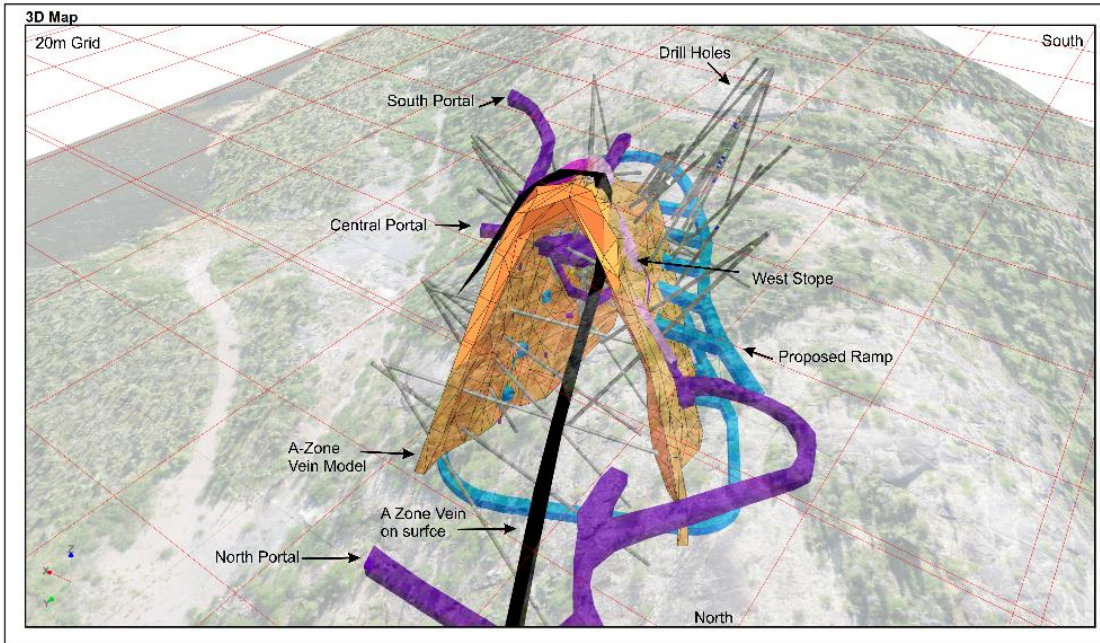


Mon Mine Site, 1992

Mon Mill, 100 tpd, 1992

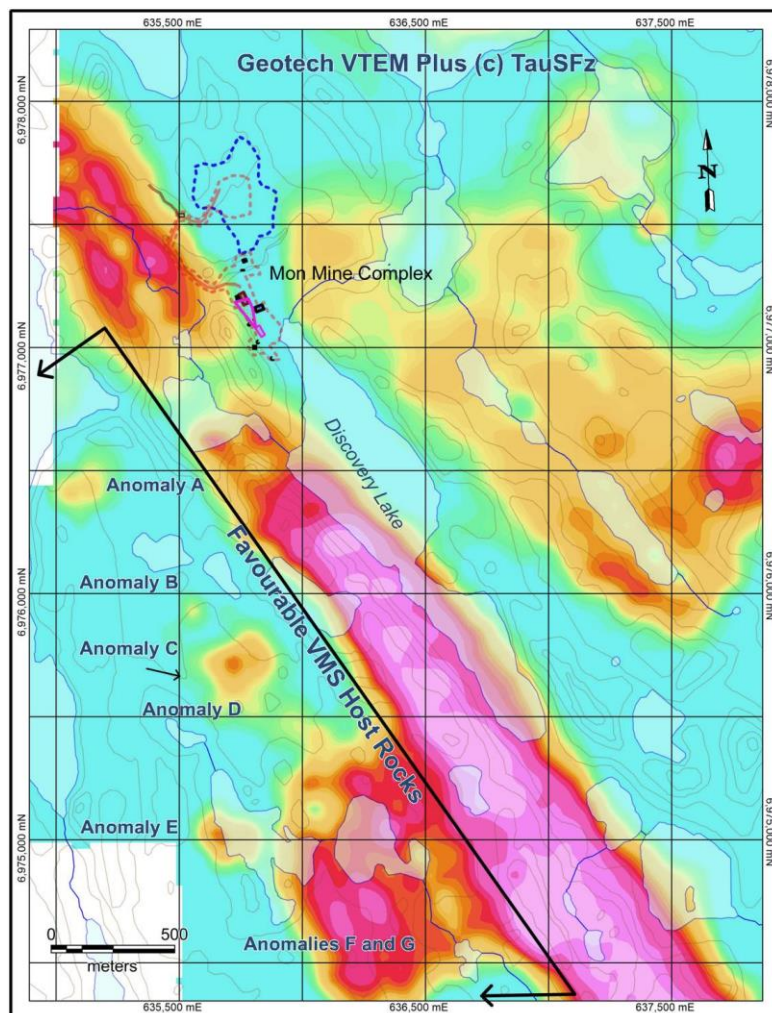


Proposed Restart of Operations



Three dimensional representations of the A-Zone (gold) with drill hole traces (dark grey), and existing workings (purple) with planned development (blue) in views to the south ...

... and viewed to the west



Volcanogenic Massive Sulfide (VMS)

- VMS deposits account for 40% of Canadian silver production, 49% of its zinc, 27% of copper, 20% of its lead, and 3% of gold.
- 2018 exploration by SXTY led to discovery of a new 2,500 m long horizon hosting VMS mineralization enriched in silver, lead, zinc and gold.
- Grab samples in this zone (Anomaly C) graded up to 2.30 gpt Au, 360 gpt Ag, 3.83% Pb, and 1.94% Zn.
- Trench assays including 0.45m of 203 gpt silver, 1.0 gpt gold, 0.59% lead and 0.96% zinc.
- 2019/2020 airborne geophysics has identified at least seven isolated anomalies within favourable rocks. The strongest anomalies are not exposed. This has generated at least 4 drill targets.

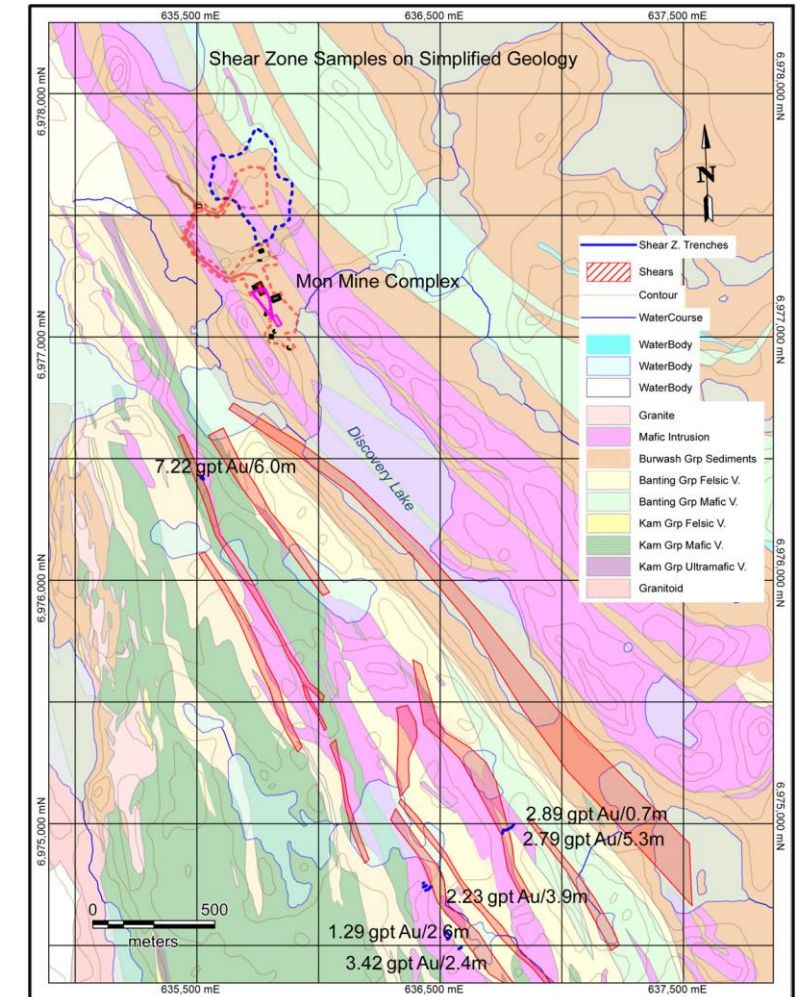
Exploration Potential – Shear Zones



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Shear Zones

- Yellowknife Greenstone Belt contains numerous Shear Zone-hosted gold deposits:
 - Giant Yellowknife Gold Mine – past production 8 million oz Au
 - Con Gold Mine – past production 6 million oz Au
 - Negus – Rycon Gold Mines – past production 0.9 million oz Au
 - Crestaurum Mine – part of Gold Terra resource
- Mon Property contains gold-bearing Shear Zones (multiple structures, some mineralized over 2 km), some of which have minor exposures.
 - Over 95% of the shear zones are not exposed, underlying lakes and swamps.
 - Trench results show potentially economic grades over potentially minable widths.
 - The Shear Zones extend onto the optioned Hangstone Property



Directors and Management



Sixty North Gold Mining Ltd.

- John Campbell, MBA, CFA, CPA; Chairman of the Board & CFO
- Dr. Dave R. Webb, B.A.Sc., M.Sc., Ph.D., P.Geol., P.Eng., President & CEO
- Ronald L. Handford, B.A.Sc., MBA; VP Corp. Dev. & Corp. Secty.
- Grant Block, CPA, CA, CMA, CPA (Nevada) Director
- Andriyko Herchak, B.Comm., CPA, CA Director

- Gavin Kirk, Director and Investor Relations Consultant
- Brian Malahoff, P.Geol., Director

New Discovery Mines Ltd. (Project Manager)

- Dr. Dave R. Webb, B.A.Sc., M.Sc., Ph.D., P.Geol., P.Eng., Director
- Gerry V. Hess, President

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, developed the largest gold resource reported in Yellowknife in the past 50 years subsequently taken to feasibility, and the largest granitoid-hosted gold deposit in the NWT. He acquired the Mon Property in the late 1980's from Cominco Ltd. and developed it into production in the 1990's. He recently obtained operating permits for mining, processing, and storage of tailings at the Mon Property.

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.

1. High-grade gold mine, shallow past producer in a well defined gold belt with multi-million ounce history
2. Permitted to re-commence production at 100 tpd. The mining equipment is owned, and on the property. The only gold mine in the NWT with this status.
3. Experienced management team with experience in dozens of mines, including the Mon Gold Mine.
4. Land package includes many well defined, drill-ready targets.



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Contact



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Dr. Dave R. Webb
B.A.Sc., M.Sc., Ph.D., P.Geol., P.Eng.
President & CEO
Sixty North Gold Mining Ltd.
p: 604-818-1400
e: dave@drwgcl.com

www.sixtynorthgold.com

CSE: SXTY

FRANKFURT: 2F4

TRADEGATE: A2JKW2

OTC-PINK: SXNTF



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