

Cautionary Statement



Sixty North Gold Mining Ltd. Is a British Columbia company ("the Company"). All statements in this presentation are made as April 12, 2021. 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.

Why Invest in an Advanced Gold Exploration Company?



- Lack of gold discoveries in the last 10 years, including major gold projects.
- Low junior and senior exploration activity due to depressed gold price, lack of funding, until recently.
- Major producers need new mineable reserves and projects.
- Falling ore grades in the last 100 years from 20 g/t to 2 g/t expected in 2030.
- Gold price recently hit record level; global government liquidity stimulation due to COVID-19 debasing currencies relative to gold, so gold price seen much higher in coming years.

CONCLUSION

- Valuation of resources in the ground to hit new records.
- Companies with operating permits and early production model expected to be valued at a premium.
- Takeovers from advanced explorers and producers will increase significantly in the next few years.

Mon Gold Property



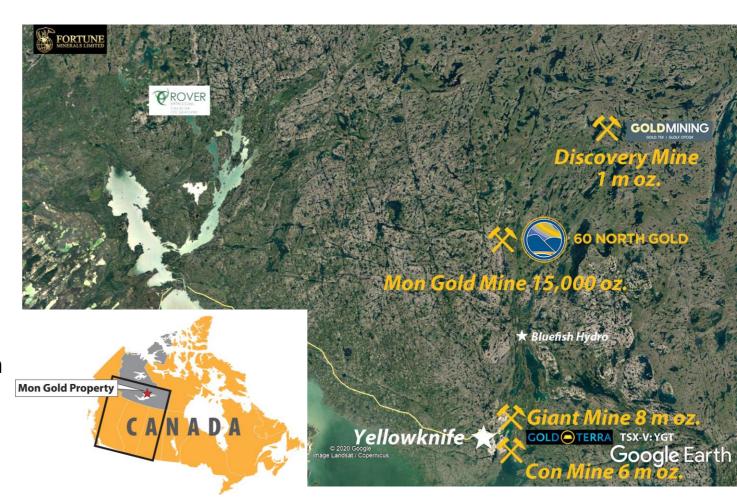
- Mon Gold Property is a high-grade past producing (1989–1997) gold mine, from which 15,000 oz. of gold was produced from 15,000 tons of ore.
- Through April 1, 2021, \$3.87 million has been funded into the project, for purchase of mining equipment, camp, and supplies needed for mine development, drilling 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.

- Mon Gold Property is in the Yellowknife Gold Belt;
 past mining in this Belt exceeds 15 million ounces
 of gold at grades >0.5 oz./t, including the Con (6 m
 oz.), Giant (8 m oz.) and Discovery (1 m oz. at 1 oz./t)
 mines.
- Mining equipment and camp delivered on winter road to site March 2021
- 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.
- Volcanogenic Massive Sulphide (VMS) and gold shear zone exploration opportunities on the property have demonstrated substantial additional potential; these trends extend onto the contiguous Hangstone Property optioned by the Company.

Yellowknife Gold Belt, Mines and Regional Exploration



- Yellowknife Gold Belt is a very gold rich district with major past producing mines like the Giant Mine and the Con Mine.
- The region has come into focus again as multiple exploration companies are exploring again, like Rover Metals, GoldMining or Gold Terra Resource.
- Gold Terra optioned a large property from Newmont Ventures and announced major 12,000 m drill program.
- Gold Terra started a 10,000 m drill program at their Yellowknife City Gold Project.
- Rover Metals announced 22 meters averaging 7.94 gpt gold at Cabin Lake.



Estimated Dates for A-Zone Key Operational and Corporate Milestones



Q1 2021	 Completed construction of winter road and hauled major mining equipment, camp, and stores to site
Q2 2021	 Complete the balance of the required \$6 million expenditures on Mon Property (\$2.13 m open at April 1, 2021) for 80% Property interest, then acquisition of the remaining 20% interest through issuance of 25% of shares of the Company
	 Complete mill equipment order
	 Complete decline to bulk sample level, take sample and move to surface
Q3 2021	 Commence drilling to define 2022 and 2023 mining below current stopes
	 Assays reported from bulk sample and drilling
Q1 2022	 Mobilize mill and ancillary equipment to Yellowknife
	 Complete construction of winter road and haulage of mill and stores to site
Q3 2022	Mill and mine fully operational
	First cash receipts from gravity gold sales

Capital Structure



- SXTY is trading at the CSE Canadian
 Securities Exchange under the Symbol: SXTY
- also trading at OTC USA unter the Symbol: SXNTF
- in Germany at Frankfurt and Tradegate Exchange under the Symbol: A2JKW2
- Market Cap: \$7.6 million CAD (2021-04-12)

2021-04-12	Shares, warrants and options issued		
Shares	108,689,464		
Warrants	51,326,728		
Options	6,550,000		
Fully Diluted	166,566,192		

Note: Management and Directors hold 20.7 % of outstanding shares



Access to the Mon Gold Property





Winter road near Sito lake and the Mon Property; source: CJ Contracting

- 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.



Helicopter at southern end of The Mon Property

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.



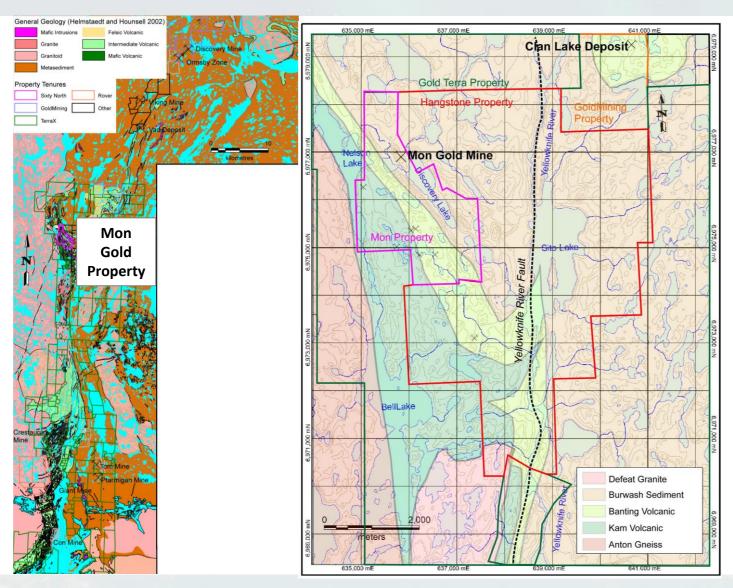
Yellowknife city; source: spectacularnwt.com



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

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

Vein Outcrop and Gold Occurence



Vein outcrop and topography

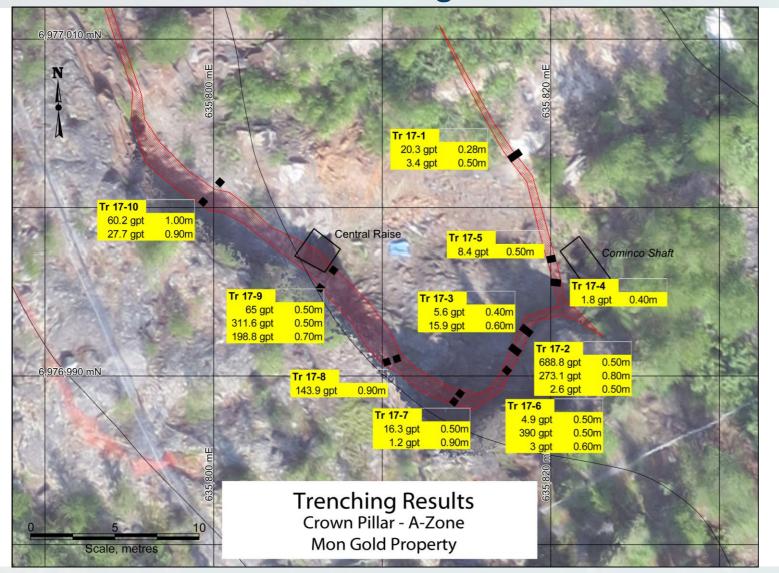
This shows the folded nature of the vein at surface.



Typical
Mon gold
occurence
in quartz –
nugget effect

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



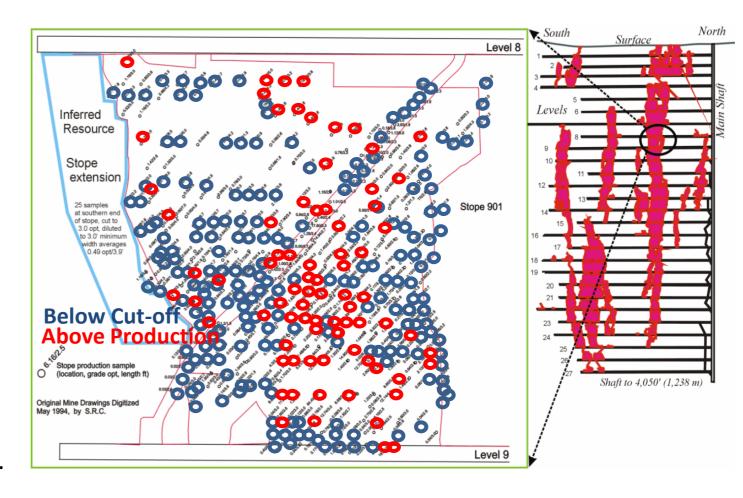


- Samples from 1.20 gpt Au/0.90 m to 688 gpt Au/0.50 m
- A sixty-meter exposure
 of the crown pillar of the
 A-Zone was sampled by
 mechanical chipping in
 ten continuous chips
 across the width of
 the vein.
- Full details in news release August 7, 2018

Cross section through the Discovery Mine, 901 Stope, Production Samples

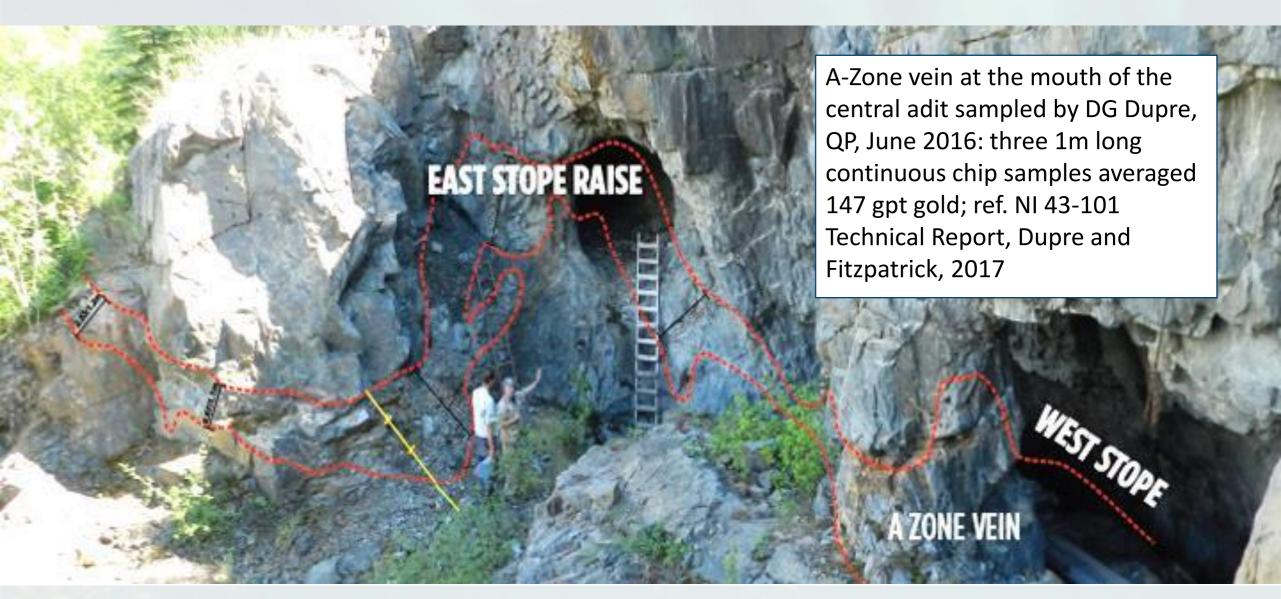


- High-grade gold is not homogenously distributed, rather it occurs in clusters of very concentrated grades, i.e. this "nugget effect" indicates bulk sampling is preferable to drilling to establish a resource.
- The Discovery Mine started at 100 TPD, increased to 300 TPD, and produced 1 m oz.
- The Mon Gold Property A-Zone's overall size, grade, and form of the mineralization, as well as its host rock assemblage, is geologically similar to the Discovery Mine, 50 km to the north.



View to the South of A-Zone Vein





Metallurgical Testing 2018: Recoveries Avg. 98.8 %

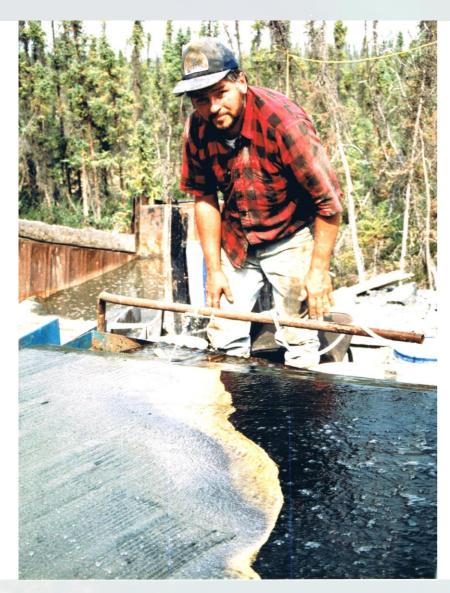


Composite ID	Sample Weight Tested	Head Grade, g/t Au		Gold Recovery, % Au		
	kg	Measured	Calculated	Gravity	Flotation	Overall
Composite 1	75.6	17.4	16.6	79.9	18.0	97.9
Composite 2	83.8	266.8	314.8	73.2	26.0	99.3
Composite 3	83.6	170.7	128.9	75.7	23.5	99.2
Composite 1+2+3	243.0	156.2	158.0	76.1	22.7	98.8

- 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
- Details in news release August 15, 2018

Gold Recovery by Gravity Totaled 85 % Historically





- Past production at the Mon totals 15,000 ounces of gold from 15,000 tonnes of ore from 15m of elevation in part of the folded quartz vein system.
- Historic drilling results show continuity of mineralization to the maximum depth drilled, for an additional 63 m below the area mined.

Aerial View of the A-Zone Area in 1990's

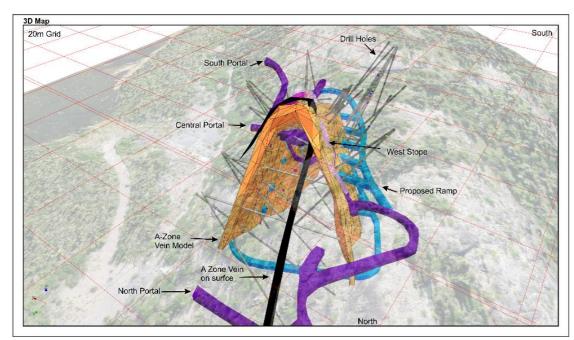


- A-Zone area looking west showing previous operations
- Easy access to the property from float plane or ski plane in winter, as well as helicopter
- Sixty North plans to move in a permanent camp with the mining equipment in early 2021, and mill equipment in early 2022

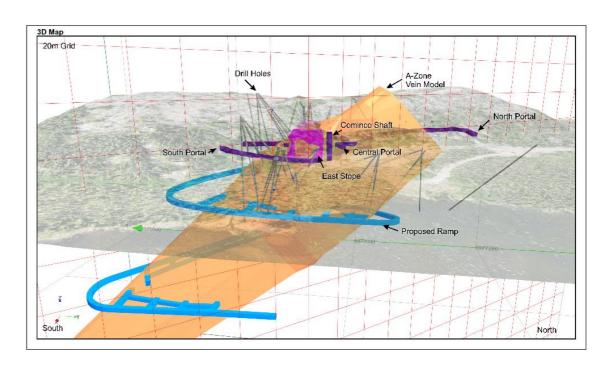


Proposed Restart of Operations





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 to the west

Operational Equipment

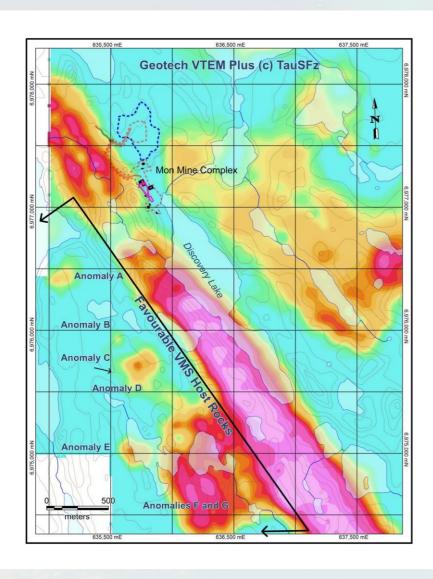


- Mining equipment and camp buildings have been purchased by Sixty North Gold and were trucked onto site from Yellowknife via the winter road in March 2021.
- This equipment will be used for the bulk sample planned for 2021, and ongoing mining operations at 100 tonnes/day thereafter.



Exploration Potential – VMS





Volcanogenic Massive Sulfide (VMS)

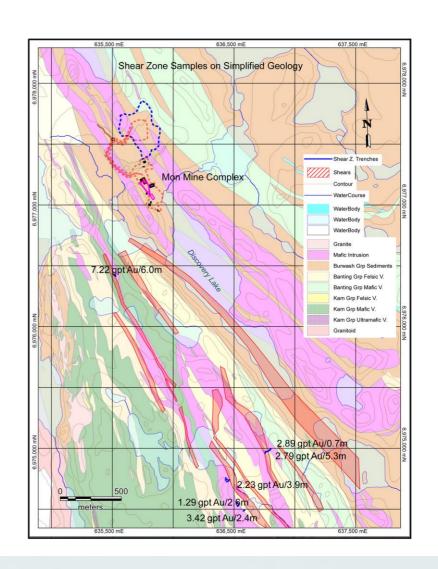
- VMS deposits account for 40% of Canadian silver production, 49% of its zinc, 27% of copper, 20% of its lead, and 3% of gold.
- 2018 exploration by SXTY led to discovery of a new 2,500 m long horizon hosting VMS mineralization enriched in silver, lead, zinc and gold.
- Grab samples in this zone (Anomaly 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



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



East-facing Longitudinal Section through the Con Mine C-4 Shear Zone



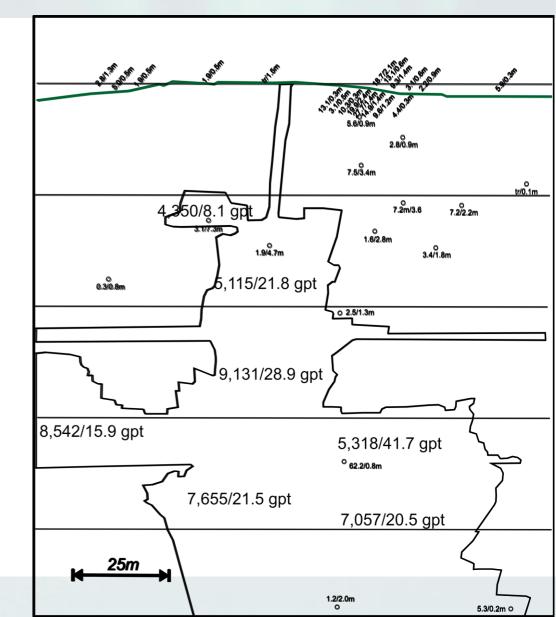
C-4 Shear one is exposed with a 25 m long high-grade section exposed averaging 17 gpt across 1.2 metres within 11.4 gpt over 100 metres.

Fourteen diamond drill holes intersect the structure returning an average of 5.3 gpt gold across 2.2 metres.

Development led to 47,100 tonnes being mined from seven separate stopes.

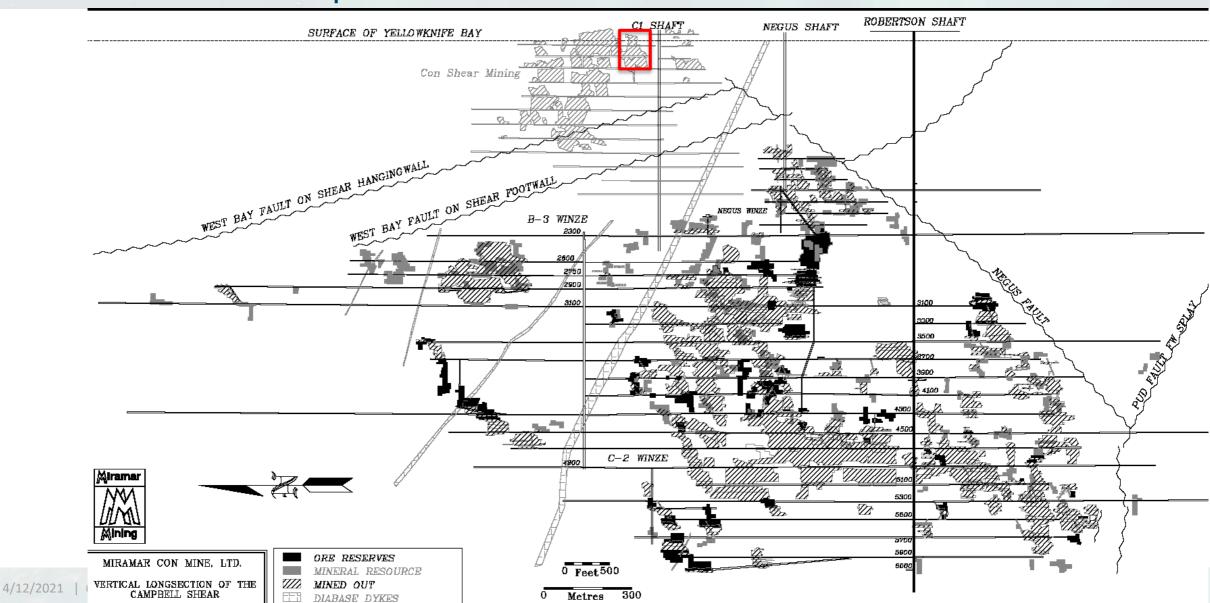
The 47,100 tonnes graded 22.84 gpt gold recovering 34,500 ounces of gold. This works out to twice what the average surface grades were, 25% higher grade than the high-grade surface section, and almost five times the diamond drill grades.

Clearly diamond drilling does not work in this situation! This 6 million ounce deposit would not have been identified without bulk sampling.



East-facing Longitudinal Section through the Con Mine C-4 Shear Zone and Campbell Shear Zone





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.Geo., 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



Dr. D.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.

Mr. G.V. Hess

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.

Contact



Dr. Dave R. Webb

B.A.Sc., M.Sc., Ph.D., P.Geol., P.Eng.

President & CEO

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