

# Northern Mining News

Volume 15, No. 9

September 2021

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## From the Editor ...

It was with heavy heart that we learned of the recent passing of Carl Clouter, pilot, prospector and raconteur. We couldn't do Carl full justice in our story, especially when we heard so many stories and anecdotes from our members. Suffice to say, Carl will be very much missed by many, and our condolences go out to his family.

Geoscience Forum is coming November 24-26, and while COVID is keeping us in virtual mode, we are expecting an exciting lineup of talks to share with attendees on upcoming projects, new investments in mining, and exploration results, to name just a few. This will be of interest to communities, businesses, governments and to investors. Check out our ad and register soon.

An important request from the NWT government is also included here, on the availability and use of their new COVID-19 proof of vaccination form. Please check it out.

Happy reading! ... Editor

**Our Mission:** To provide leadership on, and advocate for, responsible and sustainable mineral exploration and development in the NWT and Nunavut.



## **Obituary: Carl Clouter – Prospector, Pilot, Raconteur – 1943 - 2021**

It is with deep sorrow that we learned of the passing of Carl “Klondike” Clouter on October 15 after a brave fight with cancer. Carl was a well respected, colourful and storied character, best known in the North for his bush flying and his prospecting. His unique amicable charm and his care-free disposition will be sadly missed by everyone that knew him, now that he has “filed his final flight plan”.

Born in Newfoundland and raised in Gander, Carl lived life to the fullest. He started his career in the 2<sup>nd</sup> Battalion of the Black Watch (Royal Highland Regiment) of Canada, which he joined in 1962 and served for three years, including a deployment patrolling the Cold War border between East and West Germany. Self-admittedly feisty and a regimental boxer, he also had a gentle side as a singer in the Canadian Tattoo, where he had the most unusual and special experiences, particularly meeting Elvis Presley and sharing a stage with The Beatles.

Carl Clouter earned his pilot’s license and twin engine endorsement working as a maintenance worker for Eastern Provincial Airways in Gander. He flew Canso water bombers and was a pilot for Premier Joey Smallwood. It was the smaller bush planes that captivated Carl’s love for flying and it is also where he was introduced to the mining business flying charters for Noranda and other exploration companies. Water bombing took Carl to literally every corner of our vast country and after several trips to the Northwest Territories, he was offered a temporary position as the Chief Pilot for Air Dogrib in Fort Rae-Edzo (now “Behchoko”) north of Yellowknife. He stayed in Behchoko for more than two decades and eventually established his own charter airline, “Edzo Air”, where he could blend his passions for both flying and prospecting.



*Carl points to the 'mother lode' at NICO deposit.  
(Courtesy: Fortune Minerals)*

His flying tales were not without hair raising adventure, in part because Carl was part of a previous bush pilot era - one where pilots flew by the seat of their pants, navigated by visual flight references such as lake shapes and other landforms, with no access to GPS. “Unplanned landings” – aka crashes – weren’t uncommon, and Carl had several which required him to find solutions for his survival and to get back to civilization. In one such ‘unplanned landing’ near Kugluktuk in Nunavut, Carl damaged the wing of his Beaver while taking off. Using Clouter ingenuity, the story goes, he reinforced it with a tree trunk to provide strength to fly the damaged aircraft back to Yellowknife, several hours away. That damaged wing went on to other use as the bar at a former brew pub.



*“Captain Klondike Carl”, 1943-2021. (Photo credit monocle.com)*

In 1987 he flew a charter for geologist Robin Goad, who was in the process of starting Fortune Minerals Limited. Carl vended one of his properties into the start-up, became a director and the Company's northern representative. He subsequently staked the original NICO claims, which together with adjacent claims owned by Goad were transferred to Fortune and the NICO Cobalt-Gold-Bismuth-Copper Deposit discovered.

While living in Behchoko, and between his flying and prospecting, Carl accepted an offer by the RCMP to become a Sentencing Justice of the Peace. He studied law and blended this with his knowledge of Indigenous culture, performing one of the first sentencing circles ever under Canadian law.

In later years, Carl spread his time between Gander, Yellowknife and the NICO site, flying occasionally as a commercial pilot, but more typically at the controls of one of his own small airplanes, which included two rare Stinson float planes that he personally restored.

All of us who knew, and experienced Carl's humor, good nature and his many fascinating stories are profoundly saddened by his passing, so premature against the long list of things he still wanted to do. We extend our most sincere and heartfelt condolences to Carl's wife Norma Jean and their family.

Read the family's obituary [here](#).

### **Good news! NWT Exploration Incentive funding increased! DEADLINE COMING!**

On October 4, the Government of the Northwest Territories (GNWT) announced they have partnered with the Canadian Northern Economic Development Agency (CanNor) to provide additional funding support for exploration projects being led by the territory's mineral resources industry.

CanNor has confirmed new funding of \$500,000 to support a second call for Mining Incentive Program (MIP) applications in 2021-22, focusing on winter exploration. This brings the total program budget for the current fiscal year to \$1.5 million.

This one-time winter MIP offering will provide a maximum of five awards of \$100,000 each that focus on mineral deposit targeting, mineral deposit testing, and innovative research and development projects that support detailed exploration or early-stage mineral production.

The funding will provide a maximum of 60 per cent of eligible project expenses. Successful applicants will be required to fund the remaining 40 per cent (or more) of their proposed project. Eligible expenses must be incurred between September 1st, 2020 and March 31st, 2022. All funded work must be completed by the end of March 2022.

The program launched in 2014 to help increase levels of mineral exploration in the NWT. It is administered by the Northwest Territories Geological Survey (NTGS) and provides funding to prospectors and exploration companies who propose new exploration projects or are already carrying out mineral exploration work in the NWT.

**THE DEADLINE FOR APPLICATIONS IS OCTOBER 29, 2021.**

#### **Quote(s)**

"The NWT is a resource-rich territory and mining is the biggest source of private sector jobs and income for our residents. To help industry bounce back from the setbacks of the COVID-19 pandemic and to restore levels of investment, partnership, and growth in the NWT's economy, we must try to renew mineral exploration activity in the territory. With support from our federal partner, CanNor, we are introducing this additional funding to help advance existing projects that will help revive NWT's resource

industry and bring more economic opportunities to residents and communities. -**Caroline Wawzonek**, Minister of Finance; Minister of Industry, Tourism and Investment

### Quick facts

- The Canadian Northern Economic Development Agency (CanNor) provided \$500 thousand for the winter intake of the Mining Incentive Program (MIP).
- The MIP provides funding to prospectors and exploration companies who propose new exploration projects or are already carrying out NWT mineral exploration work.
- The Department of Industry, Tourism and Investment (ITI) introduced the MIP in 2014 as a major component of the NWT Mineral Development Strategy.
- Administered through the Northwest Territories Geological Survey (NTGS), the MIP has been oversubscribed since its inception, with the ratio of total funding requested to funding available ranging from 2 to 1 to 3 to 1.
- For projects that are funded, the MIP typically leverages private sector to public sector investment at a ratio of 3 to 1.

### Related links

- [Mining Incentive Program \(MIP\)](#)
- [Northwest Territories Geological Survey \(NTGS\)](#)
- [Canadian Northern Economic Development Agency \(CanNor\)](#)

## Proof of NWT Vaccinations available – government recommends this version

The GNWT COVID-19 Proof of Vaccination Credential (health record) is now available.

This new format conforms to the federal requirements for travel as of Oct 31<sup>st</sup>. The NWT government is requesting that mines and resource companies accept this new PVC.

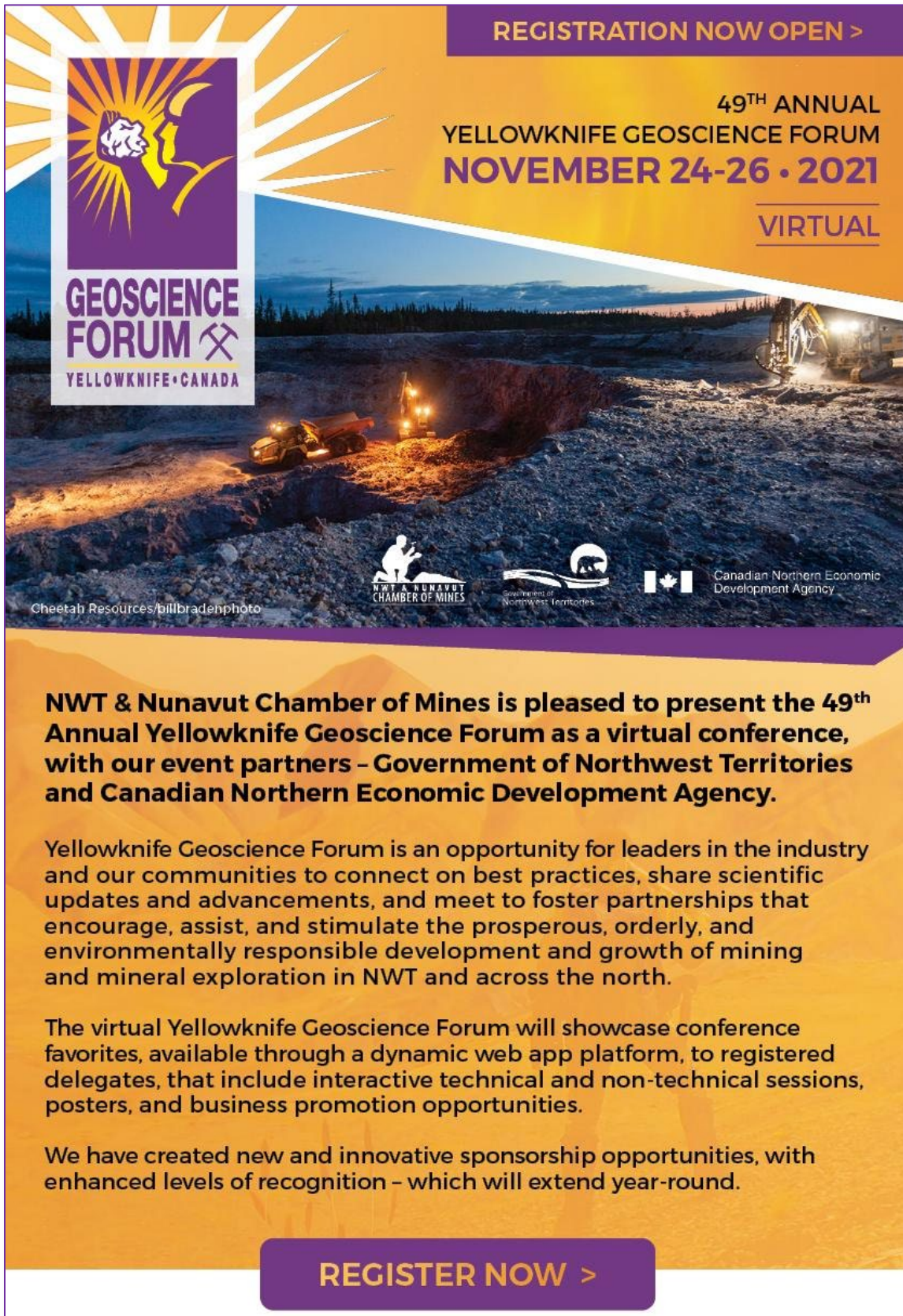
The government's hope is that everyone can migrate to the new format for screening as asking for the old version ongoing will create unnecessary strain on the healthcare system. The new PVC is easily accessed online.

Additional information can be found here: [PVC Q&A](#) or right [on the PVC request fo rm](#).





**49<sup>th</sup> Annual Geoscience Forum – November 24-26, 2021 – Register now!**



The banner features a purple and yellow color scheme. On the left, a logo for the 'GEOSCIENCE FORUM YELLOWKNIFE • CANADA' is displayed, featuring a stylized sun and a pickaxe. The background of the banner is a photograph of a mining operation at night, with heavy machinery and bright lights illuminating a large excavation site. Text on the banner includes 'REGISTRATION NOW OPEN >' in a purple box at the top right, and '49<sup>TH</sup> ANNUAL YELLOWKNIFE GEOSCIENCE FORUM NOVEMBER 24-26 • 2021 VIRTUAL' in white and yellow text. At the bottom, there are logos for the 'NWT & NUNAVUT CHAMBER OF MINES', 'Government of Northwest Territories', and 'Canadian Northern Economic Development Agency'. A large purple button at the bottom center contains the text 'REGISTER NOW >'.

**REGISTRATION NOW OPEN >**

**49<sup>TH</sup> ANNUAL  
YELLOWKNIFE GEOSCIENCE FORUM  
NOVEMBER 24-26 • 2021**

**VIRTUAL**

**NWT & Nunavut Chamber of Mines is pleased to present the 49<sup>th</sup> Annual Yellowknife Geoscience Forum as a virtual conference, with our event partners – Government of Northwest Territories and Canadian Northern Economic Development Agency.**

Yellowknife Geoscience Forum is an opportunity for leaders in the industry and our communities to connect on best practices, share scientific updates and advancements, and meet to foster partnerships that encourage, assist, and stimulate the prosperous, orderly, and environmentally responsible development and growth of mining and mineral exploration in NWT and across the north.

The virtual Yellowknife Geoscience Forum will showcase conference favorites, available through a dynamic web app platform, to registered delegates, that include interactive technical and non-technical sessions, posters, and business promotion opportunities.

We have created new and innovative sponsorship opportunities, with enhanced levels of recognition – which will extend year-round.

**REGISTER NOW >**

## SPONSORSHIP OPPORTUNITIES AVAILABLE!

Sponsorship includes a unique recognition opportunity, and associated benefits. With a virtual conference, sponsorship will kick in and last until next year's conference planning begins.



[DOWNLOAD SPONSORSHIP PACKAGE >](#)

## QUESTIONS? PLEASE CONTACT US:

Anne Lewis | [anne@csrmanagement.ca](mailto:anne@csrmanagement.ca) | 867.335.1452

## Osisko Metals Intersects 10.7 Metres Grading 10.75% Zinc + Lead at Pine Point

On Sept. 27, Osisko Metals Incorporated (TSX-V: OM; OTCQX: OMZNF; FRANKFURT: OB51) announced initial results from the current in-fill and hydrogeological drill program at its Pine Point Project, located in the NWT.

Results are from the Z60 deposit in the North Trend (see Map 1 and Tables 1 & 2). Mineralization surpassed expectations with development of local prismatic-style mineralization in drill hole Z60-21-PP-001 and -006. The higher-grade prismatic-style intercepts and neighboring tabular mineralization are associated with a fault trending South-West to North-East. Other holes returned grades consistent with

previous historical intercepts. Mineralization is open along strike and presents excellent exploration potential.

Shallow mineralization was intersected between 18 and 37 metres vertical depth. Highlights include:

- Drill hole Z60-21-PP-006 intersected 10.70 metres grading 10.50% Zn and 0.25% Pb (10.75% Zn+Pb) in a prismatic build-up of mineralization.
- Drill hole Z60-21-PP-001 intersected 4.5 metres grading 17.95% Zn and 2.25% Pb (20.20% Zn+Pb) in prismatic-style mineralization.

Results provide infill spacing required for the Z60 deposit to meet the Indicated Resource category threshold as defined in the 2020 PEA and confirmed historical data. Further assay results are pending.

Jeff Hussey, President & COO, commented: “The presence of locally occurring shallow prismatic-style mineralization adds more upside to our definition drilling program and I look forward to regular results now that drilling has resumed. Regarding ongoing hydrogeological studies, we will be releasing our initial findings in October. We anticipate significantly reduced operating and sustaining capital expenditures for water management, relative to the base case study concept used in the 2020 PEA.”

### Hydrogeological Program Update

Initial results from the hydrogeological testing program are expected to be released in the coming weeks. Testing continues and will include two holes from the Z60 deposit.

The current infill program includes approximately 25 additional holes that will be lined with perforated PVC casing that is installed prior to flow tracing. Tracer tests on all holes slated for early fall will measure water flow and that dataset will be added to the modelling process.

Table 2: Drill Hole Composites (\*hydrogeological holes)

Read the [full release](#) for detailed tables.

## Mountain Province Announces Q3 Results, Earnings and Loan repayment

On October 14, Mountain Province Diamonds Inc. (TSX: MPVD) (OTCQX: MPVD) announced production results for the third quarter ended September 30, 2021 from the Gahcho Kué Diamond Mine ("GK Mine"). All figures are expressed in Canadian dollars unless otherwise noted.

Additionally, the Company is providing the details of its Q3 2021 earnings release and conference call. The Company will release Q3 2021 financial results after market-close on Tuesday, November 9th, 2021, with the quarterly conference call on Wednesday, November 10th, 2021 at 11:00am EST.

### Q3 Production Takeaways

(all figures reported on a 100% basis unless otherwise stated)

- 832,511 ore tonnes treated, a 1% increase relative to Q3 2020, and a 3% increase relative to Q2 2021 (Q3 2020: 821,049 tonnes treated; Q2 2021, 811,171 tonnes treated)
- 1,562,105 carats recovered, 13% lower than Q3 2020, and a 11% decrease relative to Q2 2021 (Q3 2020: 1,794,408 carats recovered, Q2 2021: 1,763,556 carats recovered)
- 4,717,789 carats recovered year-to-date, on track to meet FY21 guidance of 6,300,000 – 6,500,000 carats recovered
- Average grade of 1.88 carats per tonne, a 14% decrease relative to Q3 2020 (2.19 carats per tonne)



### Q3 2021 Production Figures

<b>2021 Q3</b>	<b>2020 Q3</b>	<b>YoY Variance</b>	<b>Total tonnes mined (ore and waste)</b>
10,280,749	9,880,757	4%	
Ore tonnes mined	1,033,461	889,340	16%
Ore tonnes treated	832,511	821,049	1%
Carats recovered	1,562,105	1,794,408	-13%
Carats recovered (49% share)	765,431	879,260	-13%
Recovered grade (carats per tonne)	1.88	2.19	-14%

Mining performance improved relative to the prior quarter, benefitting from improved equipment availability, fewer incidences of extreme weather, as well as improved labour availability. Tonnes processed and carats recovered remain on track to meet previously provided guidance.

Jonathan Comerford, the Company's Chairman and Interim Chief Executive Officer, commented: "I am pleased with the performance of the mine in Q3. The grade was lower in the quarter due to planned processing of lower grade material, and because of the previously stated change to a larger bottom cut-off screen size. Despite this we remain well on target to meet our production guidance of 6,300,000 – 6,500,000 carats recovered for 2021. The operator has done a good job in recovering some of the lost production from the temporary suspension of operations due to Covid-19 in Q1. The sizeable stockpile built up at the plant also gives us confidence that we will reach our goals for the year."

### **Mountain Province Diamonds Q3 Sales Results, credit and loan**

On September 27, Mountain Province announced the results of its diamonds sales in Q3 2021.

During the third quarter of 2021, 1,028,327 carats were sold for total proceeds of \$93.9 million (US\$74.1 million) resulting in an average value of \$91 per carat (US\$72 per carat). This brings year-to-date sales to 2,349,644 carats, for total proceeds of \$212.5 million (US\$169.4 million) resulting in a year-to-date average value of \$90 per carat (US\$72 per carat).

Stuart Brown, the Company's President and Chief Executive Officer, commented: "We're extremely pleased to see the strong price increases achieved at sales in the first half of 2021 continue into the third quarter. We expect the rough and polished markets to maintain momentum into the important holiday buying season, which should benefit our two remaining sales for the year. The strong sales results year-to-date have allowed the Company to completely repay its short-term debt facility far earlier than originally planned which is very encouraging."

### **Mountain Province extends Revolving Credit Facility and Repayment of Term Loan**

Also on September 27, Mountain Province announced the extension of its US\$25M Revolving Credit Facility, and the full repayment of its US\$35M term loan.

MPV completed an agreement to extend by six months the maturity date of its US\$25M senior secured revolving credit facility with Dunebridge Worldwide Ltd., a company which Mr. Dermot Desmond is the ultimate beneficial owner. The extended revolving facility will mature on March 31, 2022 and will support Mountain Province Diamonds' general working capital needs. The interest rate and other features of the facility remain unchanged. In connection with this extension, the Company paid Dunebridge Worldwide Ltd. a fee equal to 2% of the aggregate principal amount drawn under the revolving facility.



## **De Beers Reports Group Rough Diamond Sales for Cycle 8, 2021**

De Beers Group announced October 20, the value of rough diamond sales (Global Sightholder Sales and Auctions) for the eighth sales cycle of 2021. Owing to the restrictions on the movement of people and products in various jurisdictions around the globe, De Beers Group has continued to implement a more flexible approach to rough diamond sales during the eighth sales cycle of 2021, with the Sight event extended beyond its normal week-long duration. As a result, the provisional rough diamond sales figure quoted for Cycle 8 represents the expected sales value for the period 4 October to 19 October and remains subject to adjustment based on final completed sales.

	Cycle 8 2021 (provisional) <sup>1</sup>	Cycle 7 2021 (actual) <sup>2</sup>	Cycle 8 2020 (actual)
Sales value <sup>3</sup> (\$m)	490	522	467

## **Vitals REE Plant on Track for End 2021 – Norwegian firm increases uptake**

On October 4, Vital Metals Limited (ASX: VML) provided an update on development of its rare earth extraction facility in Saskatoon, Saskatchewan, Canada, where it feed into the plant by the end of CY2021.

### **Highlights include:**

- Construction is underway on Vital Metals' rare earth extraction plant in Saskatoon, Saskatchewan, Canada which will process ore from Vital's Nechalacho mine
- All major processing equipment items procured within budget with some items oversized to provide additional production capacity
- Plant will have start up throughput capacity of 1,000t/yr excluding cerium (equivalent to 470t/yr of NdPr)
- Vital has expanded Stage 2 capacity to 2,000t/yr ex. cerium (940t/yr NdPr) – representing 50% larger plant throughput capacity than initially planned
- Vital has engaged Halyard Incorporated to oversee project management and general engineering of the facility and a Principal's Representative to manage delivery of the project
- Saskatchewan Research Council (SRC) will provide technical support during plant construction and operation and ensure ongoing collaboration between Vital and the Rare Earth Processing Facility
- Vital expects first feed into the plant in December 2021; first product by June 2022.

Vital Metals' Managing Director Geoff Atkins said commissioning of the plant would occur incrementally over the first half of CY2022 and first product out is scheduled to occur end of H1 CY22.

"Vital has procured all key equipment required to process REE ore from our Nechalacho operation in the Northwest Territories into rare earth carbonate at the Saskatoon plant, including oversizing of some items to enable us to increase production in our second stage of operations," Mr Atkins said. "This will provide our plant with the capability upon start-up to produce 1,000t REO (excluding Cerium), or approximately 470t NdPr per annum, with initial expansion capability to ramp up to a capacity of 2,000t REO (excluding Cerium), or 940t NdPr, per annum."

"This procurement represents all major plant, equipment and engineering for the project, at a cost of approximately \$6m, despite the majority of equipment being oversized.

“Our decision to oversize some items is based on the experience of our management team at other rare earth projects and will allow us to expand our production facility in the future with only minimal additional capital expenditure.



Figure 1 -  
A Dense  
Media  
Separator to  
be used in  
Vital's rare  
earth  
extraction  
process

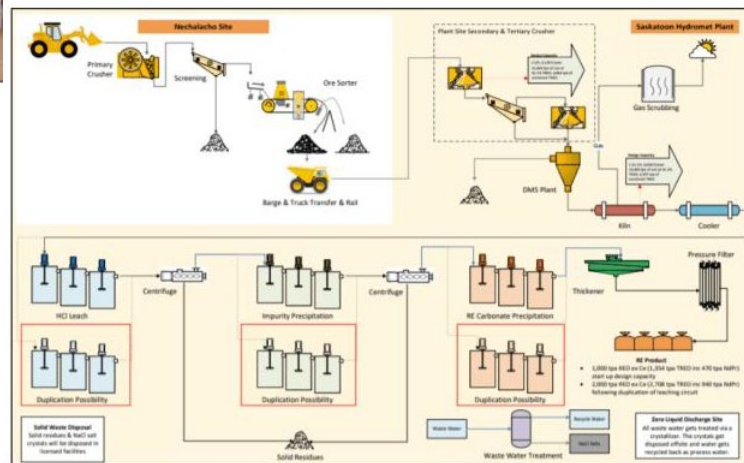


Figure 3 - Flowsheet for operations at Vital's rare earth extraction facility in Saskatoon

“Construction of our custom-built facility is underway at the same time as the SRC Rare Earth Processing Facility being built by Saskatchewan Research Council, and it's exciting to see this rare earths hub start to take shape in Saskatoon. Our first shipment of ore is due to leave Nechalacho this month and we expect to start feeding in to the plant before the end of CY2021, with commissioning to follow.”

[Click here to view Investor Presentation](#)

### **REEtec Increases Offtake of Vital's REO by 50%**

On October 18, Vital Metals announced it has amended its offtake agreement with Norway-based REEtec AS, increasing the volume of product sold to REEtec by 50%.

Highlights include:

- Vital's offtake agreement with REEtec amended to increase volume by 50%
- Off-take agreement to supply 750t/yr NdPr over 5 years
- Increase equates to 75% of Vital's expanded Saskatoon rare earth extraction plant capacity
- REEtec is using Vital's product as its principal feedstock
- Amended agreement extends Vital's product sales to REEtec to 2028 with option for an additional expanded 10-year agreement
- Vital's Saskatoon plant is under construction with commissioning to commence end of year and commercial production expected mid-2022.

Under the amended agreement, Vital will sell to REEtec rare earth carbonate product containing a minimum of 750t Neodymium/Praseodymium (NdPr), contained within 2,000t/year total rare earth oxides (TREO) with a maximum of 25% Cerium. This represents a total of 75% of Vital's expanded operation at its Saskatoon rare earths extraction plant (refer to ASX announcement dated 5 October 2021), and represents a 50% increase in the product to be supplied under the existing Definitive Off-take Agreement (refer to ASX announcement dated 2 February 2021).

Vital Metals' Managing Director Geoff Atkins said: "This 50% increase in product to be sold to REEtec represents a vote of confidence in Vital Metals' ability to guarantee feedstock to the European rare earths supply chain. "This increase will result in the expansion of our Saskatoon plant to double capacity by the end of 2023 with REEtec taking 75% of the plant capacity from that time. There's also potential for a long-term supply agreement for an additional 10 years after 2028, which would give us a guaranteed market for our products as we look to extend Nechalacho's mine life in Stage 2 operations and bring our other projects on-line."

REEtec's CEO Sigve Spørstøl said: "We are very pleased to have partnered with Vital Metals and to have established a fruitful cooperation which will benefit both our companies. The increased supply of NdPr enables us to further strengthen our position as a supplier of high-quality products based on a sustainable ring process and a transparent supply chain."

Click [here](#) to view the full ASX announcement

### **Fortune Minerals Announces Start of NICO Drill Program**

#### ***Drilling will test for a potential expansion of the NICO deposit at the east end of the deposit and up to four additional targets defined by previous geology and geophysics programs***

Fortune Minerals Limited (TSX: FT) (OTCQB: FTMDF) announced September 23 that it has initiated an approximately 3000 metre drill program on the Company's NICO Cobalt-Gold-Bismuth-Copper Deposit ("NICO Deposit") in Canada's Northwest Territories. Equipment and personnel are currently being mobilized to the site and drilling is expected to commence at the end of this week. The NICO Deposit and Fortune's nearby Sue-Dianne Copper-Silver-Gold satellite deposit belong to the Iron-Oxide-Copper-Gold ("IOCG") class. IOCG-type deposits include Olympic Dam in South Australia, the Carajas District deposits in Brazil, and the Candelaria District deposits in Chile and have distinctive geological settings typically with common geophysical anomaly associations. In addition to testing the east strike extension of the NICO Deposit, drilling will also test a number of coincident magnetic, gravity, magnetotelluric, chargeability and resistivity anomalies, including some with previous drilling that encountered significant gold and cobalt intersections.

The NICO Project is comprised of a planned mine and concentrator in the Northwest Territories and a related hydrometallurgical refinery in southern Canada producing cobalt sulphate, gold doré, bismuth ingots and oxide, and a copper cement precipitate. The NICO Project is one of the most advanced cobalt development assets outside of the Democratic Republic of Congo ("DRC") to meet the growing demand in lithium-ion batteries powering electric vehicles, portable electronics and stationary storage cells, and mitigate supply chain issues from geographic concentration of production in the DRC and China and associated policy risks. The unique Critical Minerals assemblage of the NICO Deposit includes primary cobalt, 12% of global bismuth reserves, by-product copper, as well as a highly liquid 1.1 million ounce in-situ gold co-product.

Fortune contracted Aurora Geosciences ("Aurora") in 2020 to complete induced polarization and magnetometer surveys to provide better definition of exploration targets identified in previous

geophysical surveys and drill programs carried out in the 1990's. The 2021 drill program is planned to test up to five of these high priority targets (details in full release [here](#)):

- 1) *East Extension of NICO Deposit*
- 2) *Ralph Zone*
- 3) *Peanut Lake Zone*
- 4) *Road Cut Mineralization*
- 5) *Magnetic Anomaly A*

Fortune is pleased to report that it has completed a debt facility to raise proceeds of \$1.5 million from an arm's length investor to fund the drill program and provide working capital.

### **Project Summary:**

The NICO Deposit contains Proven and Probable Open Pit and Underground Mineral Reserves totaling 33 million tonnes containing 1.1 million ounces of gold, 82.3 million pounds of cobalt, 102.1 million pounds of bismuth, and 27.2 million pounds of copper. The NICO Project has been assessed in a positive Feasibility Study by Micon International Limited in 2014 and has received environmental assessment approval and the major mine permits for the facilities in the Northwest Territories. The project stands out among other Critical Minerals projects as a planned vertically integrated producer of cobalt, the largest deposit of bismuth in the world, and having more than one million ounces of in-situ gold as a highly liquid and countercyclical co-product.

### **Baffinland Launches Audit to assess Dust in Mary River mine area**

Baffinland Iron Mines Corporation announced October 19 that it has launched a dust audit to assess dust spread from the Mary River Project's development area on North Baffin Island, Nunavut.

The assessment will be conducted by Nunami Stantec Ltd., with technical input from CWA Engineers Inc., and a committee of nominated participants from each of the five North Baffin communities of Arctic Bay, Clyde River, Igloolik, Sanirajak, and Pond Inlet. The community committee provides guidance on the methodology of the project, interpretation of the results, and input into the recommendations to the Company on actions.

This project is focused on identifying dust sources around the Project area and developing recommendations which could limit dust production and spread. Upon completion of the assessment, a set of recommendations will be provided to Baffinland, which the Company commits to implementing.

"The work now underway presents another opportunity for collaboration between Inuit knowledge holders, community members, and subject technical scientists to explore mutually beneficial improvements to the Mary River project," said Brian Penney, CEO. "I would like to thank all those who are participating now, and who will participate in the coming months, for sharing their knowledge during this process. We look forward to publishing the results and recommendations when they are complete and remain committed to implementing the recommendations from the report."

Field work relating to the assessment began earlier this year and is expected to run into 2022. Results from the project will be shared in a draft interim report to the Qikiqtani Inuit Association and community representatives during a half day, virtual workshop. The final report will be available to the public following the completion of the assessment.





*Open pit mining of iron ore at Mary River mine*

### **Sixty North Gold Announces Renewal of Marketing and IR with FronTier Flex**

Vancouver, British Columbia--(Newsfile Corp. - September 28, 2021) - Sixty North Gold Mining Ltd. (CSE: SXTY) (FSE: 2F4) (OTC Pink: SXNTF) (the "Company" or "Sixty North Gold"): Sixty North Gold is pleased to announce that it has renewed the marketing and consulting agreement with FronTier Flex Marketing ("FronTier") to provide marketing and investor relations. FronTier is a marketing and investor relations group with a home office in Toronto, Canada. FronTier will continue to assist the Company by increasing market awareness for the Company using a number of financial market communications initiatives, including facilitating in-person introductions for the Company with institutional and retail brokers in Toronto and other financial capitals, and through media distribution on national television, radio and multiple on-line channels.

Under the terms of the engagement, FronTier has been retained for a 12-month period to September 16, 2022 at \$90,000 (plus applicable sales tax) per annum plus direct expenses. The Company granted 300,000 stock options at an exercise price of \$0.10 per share until September 22, 2022 to FronTier.

Dr. Dave Webb, President and CEO, states, "We are pleased to have renewed the engagement of FronTier, as they have greatly extended market awareness of Sixty North Gold over the last year through a variety of media channels and direct investor presentations."

#### **About the Company**

The Company is focused on bring its Mon Mine back into production, and crews have been preparing the site to commence mining. The Mon Mine produced 15,000 ounces of gold from 15,000 tonnes of ore between 1989 and 1997, operating on a seasonal basis to a depth of 15 m below surface, with gold prices generally averaging between US\$350 and US\$400 per ounce. Permits to mine and mill at 100 tpd

are in place, making the Mon Mine the only gold project permitted for production in the NWT. The Company plans to drive a ramp to depth below the old stopes, and to extract a bulk sample confirming grade and continuity. Management believes the similarity to the Discovery Mine, located to the north of the Mon Property where 1 million ounces were mined from 1 million tons of ore, indicates the potential for the Mon Mine.

For more information, please refer to the Company's profile on SEDAR ([www.sedar.com](http://www.sedar.com)) or visit the Company's website at [www.sixtynorthgold.com](http://www.sixtynorthgold.com). Photos from presentation [here](#).



Camp from top of A-Zone



Camp, fuel tank, Discovery Lake

*Some pictures showing the small footprint of of Sixty North's Mon gold mine*

### NorZinc Signs Renewed Prairie Creek Zinc Sale MOU and sells Nfld properties

On October 7, NorZinc Ltd (TSX: NZC; OTCQB: NORZF) announced it has signed an amended agreement with Boliden Commercial AB for the sale of zinc concentrates to be produced at NorZinc's 100% owned Prairie Creek Mine, located in the western Northwest Territories.

NorZinc has signed a non-binding Memorandum of Understanding ("MOU") with Boliden which extends the validity of the existing MOU to June 30, 2023, from its original expiry date of June 30, 2022, and significantly increases zinc sulphide concentrates to be delivered to Boliden, with exact annual quantities to be mutually agreed.

"We are very pleased to be partnering with Boliden, one of the world's premier smelting companies committed to strong environmental and sustainability practices," said Mr. Rohan Hazelton, President and CEO of NorZinc. He continued, "In particular, Boliden has a proven track record in treating complex raw materials at both its smelters in Norway and Finland, which are in part supported by external mines. We believe this continued support of the Prairie Creek Mine confirms the marketability of our planned zinc concentrate production and demonstrates another milestone for the Company in the path towards production."

Boliden is a metals company with a focus on sustainable development. Boliden's roots are Nordic, and its market global. Boliden's core competence lies within the fields of exploration, mining, smelting and metal recycling. Boliden



*NorZinc is developing its key project, the 100%-owned high-grade zinc-lead-silver Prairie Creek Mine, located in the western NWT.*

has around 6,000 employees and an annual turnover of SEK 50 billion. The Company's shares are listed in the Large Cap segment on NASDAQ OMX Stockholm.

### **NorZinc Announces Sale of Newfoundland Mineral Properties for \$2.6M**

On October 4, NorZinc announced it has entered into an asset purchase agreement with Canterra Minerals Corporation, whereby Canterra will acquire 100% of NorZinc's Newfoundland mineral properties, being the South Tally Pond / Lemarchant Project, the Tulks South Project, the Long Lake Project and the Victoria Mine.

In accordance with the terms of the Agreement, NorZinc will sell the Assets to Canterra in exchange for an aggregate nominal consideration of \$2,615,125 comprised of \$250,000 in cash, payable upon closing of the Transaction, and 6,625,000 common shares of Canterra at a price of \$0.357 per share (the, based upon the 20-day volume weighted average price of Canterra's shares on the TSXV at October 1, 2021).

"We are pleased to have entered into an agreement with a well-financed, emerging exploration company such as Canterra with experienced management and a strong shareholder base," stated Rohan Hazelton, President and CEO of NorZinc. "This sale will allow us to focus solely on our flagship asset, the Prairie Creek Mine, a high-grade zinc-lead-silver project in the Northwest Territories, Canada. The Company continues to advance Prairie Creek, including the recent announcement of a permitting milestone which allows the company to advance permits for a 2400 tpd production plan without the need for an additional Environmental Assessment. The sale of our Newfoundland mineral properties strengthens our balance sheet and allows us to invest further in bringing Prairie Creek closer to production."

### **Nighthawk Completes 72 km drilling in Successful 2021 Exploration Program**

TORONTO, Oct. 14, 2021 /CNW/ - Nighthawk Gold Corp. ("Nighthawk" or the "Company") (TSX: NHK) (OTCQX: MIMZF) is pleased to report that a total of 72,325 metres (272 drill holes) of drilling were completed as part of the 2021 exploration program on its district-scale property within the Northwest Territories, Canada.

The Company commenced drilling during the third week of March to test a variety of targets within the 930km<sup>2</sup> land position, in order to substantially increase the global resource base, and to carry out exploration at a number of greenfield targets across the entire property.

Keyvan Salehi, President & CEO commented, "First-off I'd like to commend our team and partners for their efforts in carrying out the most ambitious drilling campaign to-date with a stellar safety record. We strive for zero harm at work and at home and maintaining the health and safety of all our employees and consultants is always our top priority. We are extremely proud of this achievement especially considering the current pandemic where we had zero cases of Covid-19 at our camp.

"In addition to the planned targets set at the beginning of the year, we also added the Kim Zone (has a historical, non-compliant resource and sits proximal to the Cass Zone), Fishhook (high-grade gold mineralization within folded banded iron-formation) and Echo-Indin (a candidate for near-surface, high-grade mineralization located only 9km west of Colomac). We have only reported on approximately 25% of the full program, leaving a lot of exciting news still on the horizon."

#### **Highlights of 2021 Drill Program:**

- Nighthawk completed 72,325 metres of drilling on a variety of targets within its district-scale land position (Figure 1)
- To-date, 17,990 metres of drilling have been reported on, leaving an additional 54,335 metres yet to be released



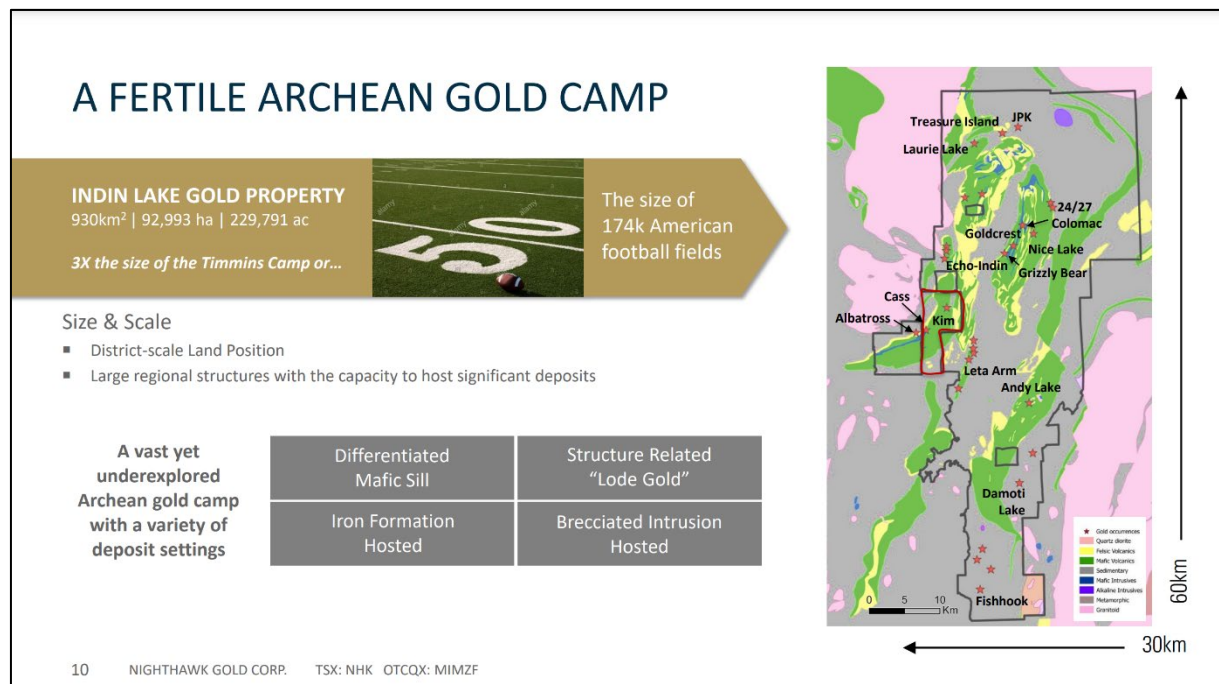
- New targets added to this year's program include:
  - Kim Zone (see press release dated February 18, 2021)
  - Fishhook Area (followed up on historical high-grade intercepts)
  - Echo-Indin (near-surface gold mineralization proximal to Colomac)
- Stellar safety record – finished the year with zero (0) lost-time injuries and zero (0) lost man days

## 2021 Drill Program

The 2021 program was a mix of resource expansion opportunities at known zones, and a variety of greenfield targets with near-surface potential. Resource expansion targets were drilled principally on-strike to potentially add to the in-pit resources, and greenfield targets were identified to test a variety of deposit settings with potentially higher-grade, near-surface mineralization, many of which had never been drill tested before.

## 2021 Targets and Status of Drilling

For a summary of all targets tested this year and the status of drilling results, read the full release [here](#).



Nighthawk's fertile project (from [October Corporate Presentation](#))



## **Agnico Eagle Donates Mine Site Soapstone to Inuit Artists**

(Courtesy Agnico Eagle's *The Eagle Blog*, October 14, 2021)

Inuit soapstone carvings are more popular than ever, with international demand growing for these cultural works of art.

But as demand rises, good quality carving stone is hard to find, difficult to access and is rapidly being consumed.

For years, the Government of Nunavut<sup>1</sup> has worked to improve the availability of quality carving stone in communities across the Kivalliq region – particularly in Baker Lake, a major arts community and home to many internationally renowned artists<sup>2</sup>.

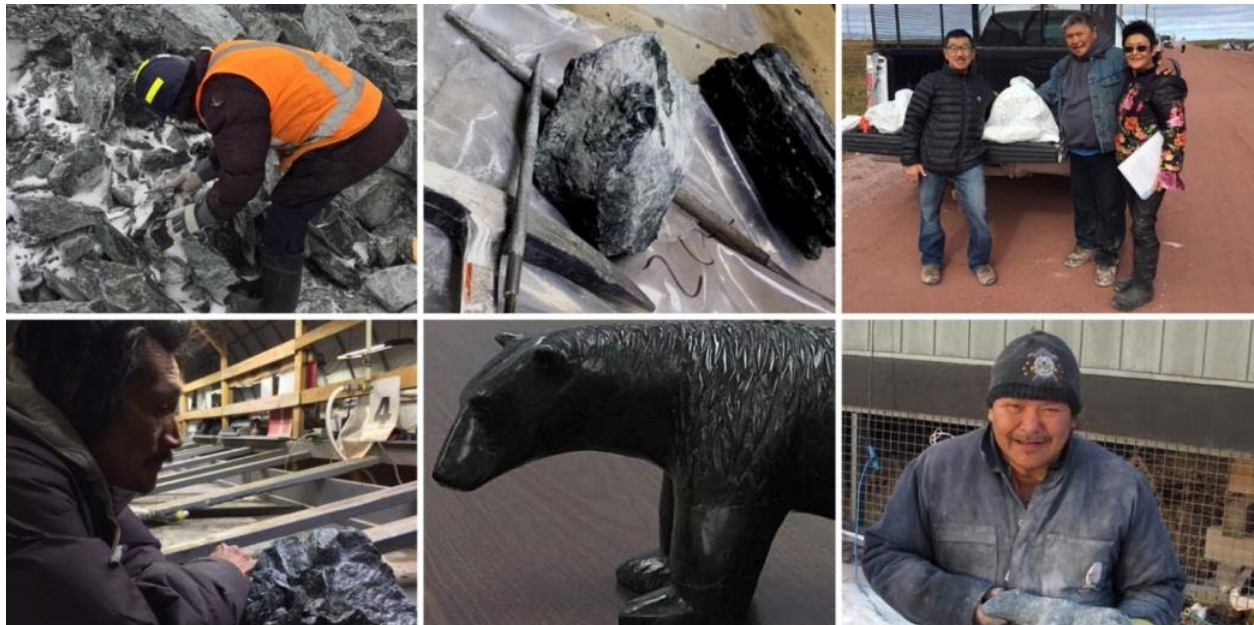
Approximately 170 kilometres northwest of Baker Lake lies Agnico Eagle's Amaruq deposit, part of our Meadowbank mining complex. It wasn't long before Nunavut's resident geologist, Mike Beauregard, contacted Amaruq's geology team to see whether the deposit, which began producing in 2019, contained good quality soapstone.

According to Agnico Eagle geologist Jérôme Lavoie, "Through our exploration activities, we found a substantial amount of good soapstone alongside the Amaruq deposit. Fortunately, it is accessible from both our surface and underground operations."

Jérôme and his colleague Eric Marcil worked closely with Mike to identify and test<sup>3</sup> soapstone from the property. Two carvers – Salomonie Pootoogook and David Arngnasungaaq – visited Amaruq to assess the stone carving quality, which they deemed as particularly good.

In August 2020, Agnico Eagle officially donated the soapstone handpicked by Salomonie and David to support their artistry and Kivalliq region's artistic community.

Pujjuut Kusugak, Agnico Eagle's Director of Nunavut Affairs says, "Soapstone is the lifeblood of many of our Inuit artists and communities. By showing us sculptures and carvings of how our ancestors lived – our tools, legends, animals and games – our Inuit artists are keeping the history and traditional way of life alive."



The community hopes to receive more soapstone from Amaruq in order to transfer their cultural traditions and carving skills to the next generation. Not only does soapstone play an important role in Nunavut's social fabric, it is also important to the local and territorial economy. Without it, many artists would be unable to make a living and support their families.

Pujjuut adds, "When the government approached us about the depletion of good carving stone in the area, we saw this as an opportunity to make a difference – a difference in people's lives and in the social and economic wellbeing of local communities. We hope to be a continuing source of good carving stone for the Kivalliq region. We want to encourage local artists to share their stories, their heritage and their culture with Canadians and the international community. It is a way for all of us to learn more about their lived experiences in the Arctic over millennia."

### **Breaking News: Ekati may require only screening for Point Lake mining**

News has emerged at press time via Cabin Radio that the Mackenzie Valley Review Board will not require Ekati's Point Lake project to undergo an environmental assessment, since the completed Jay mining project environmental assessment has addressed most of the effects, and includes the area of the Point Lake mining project. The media report states that the company is "extremely pleased with the decision." More information is expected from the Review Board. A public hearing about the proposal is scheduled for November 22 to 26.



*This satellite image shows the location of the Point Lake diamond-bearing pipe in relation to the Jay and other pipes.*

## Exploration & Development News Briefs

### ***Blue Star Gold Drills 4.91 Metres of 19.1 g/t Gold in Flood Zone at its Ulu Project***

News Release, Vancouver, British Columbia-- (Newsfile Corp. - September 22, 2021) - Blue Star Gold Corp. (TSXV: BAU) (FSE: SWPO) ("Blue Star" or the "Company") provides an update on its 2021 drill program at the Ulu and Hood River Projects located in the High Lake Greenstone Belt, Nunavut.

#### ***Highlights from the on-going program***

- 21BSG001 returns 4.91 metres ("m") of 19.1 grams per tonne ("g/t") gold and 7.00 m of 6.9 g/t gold in Flood Zone lenses; expands higher grade core to the southeast.
- 21BSG002 returns 2.64 m of 13.0 g/t gold in the Flood Zone; expands high grade core into previously modeled grade gap.
- Follow up drilling to test the potential of the newly discovered vein system (see news release dated September 1, 2021) that returned 8.15 m of 20.8 g/t gold ~750 metres northeast of the Flood Zone deposit in the Gnu Zone area is underway.
- Additional drilling completed: 21BSG009, 21BSG015, 21BSG016 and 21BSG018 intersected northwest trending Flood Zone style acicular arsenopyrite mineralization over approximately 275 metres in the Axis zone.
- Additional drilling completed: 21BSG013 and 21BSG017 intersected polymetallic bearing quartz veins on the west limb and east limb of the NFN (North Fold Nose) target.
- Additional drilling completed: 21BSG014 successfully intersected acicular arsenopyrite at a vertical depth of 300m in the Central Zone.

#### **Summary**

Currently two drills are operating on the property with 4,590m of diamond drilling completed to date in 22 drill holes representing approximately 80% of the planned meters.

Drilling to date has focused on targets proximal to the historical Flood Zone resource area with two holes reported today evaluating lightly drilled, geologically complex areas in the Flood Zone. Subsequent drilling has evaluated parallel altered and mineralized trends within 750m of the Flood Zone which include the Axis and Central Zones and targets within the Gnu Zone area. Additional drilling also included the NFN target approximately 5 kms to the north along the Ulu fold hinge.

"Flood Zone drilling this year was very selective to assist in refining the geological modeling with the results announced today indicating that even drilling for geology provides robust grade and widths. The campaign to date has successfully tested portions of the proximal Axis and Central zones, located roughly 125m and 250m northeast of the Flood Zone resource respectively. The team is very excited about evaluating the intersection of these two mineralized trends as they approach the Gnu Zone which now contains at least four sub-target areas defined by their style of mineralization," commented Darren Lindsay, Vice President Exploration.

Having recently completed a site visit, CEO Grant Ewing stated, "The current field program is operating smoothly, and it is very encouraging to see the continued strong results from the Flood Zone drilling, and from the new vein system discovered in the Gnu Zone area ~750 metres to the northeast. The current technical team have developed a strong understanding of the geologic controls of the mineralization and are adept at using visual observations of the drill core to aid in the targeting and testing of high priority targets. This is especially important given the slow turnaround of assay results from the lab."

Read the full release [here](#).

***Fury Closes First Tranche of Non-Brokered Private Placement***

On October 6, Fury Gold Mines Limited (TSX: FURY)(NYSE American: FURY) announced that the Company has closed the first tranche of its non-brokered private placement announced on September 22, 2021 (the “Placement”).

The Company issued 5,085,670 units at a price of CAD\$0.75 per unit for gross proceeds of CAD\$3,814,253.

And on October 13, Fury completed a Cad\$5,596,088 non-brokered private placement also to be used to fund continued exploration at the Company's Eau Claire project in Quebec and for working capital.

***Sabina Gold & Silver Announces Changes To Executive Team***

On September 27, Sabina Gold & Silver Corp (SBB – TSX) reported changes to executive team effective September 27, 2021.

After over 13 years with the Company, Elaine Bennett, Vice-President, Finance and CFO for the Company will be stepping down from her role and moving on to pursue new opportunities. Ms. Wendy Louie will be assuming the position effective September 27.

Ms. Louie is a Canadian Chartered Professional Accountant (CPA, CA) with over 25 years of diverse finance and leadership experience. She most recently has provided consulting services in the mining, shipping, energy and technology sectors through her private consulting company which included mergers and acquisitions, risk management and advisory expertise. She held a series of senior management roles at Goldcorp Inc. from 2006 to 2016 serving as Vice-President, Finance, Vice-president, Reporting and Vice-President, Assistant Controller. Her background included roles in strategic business planning, project controls and reporting where she led the implementation of financial reporting and planning systems utilized in the management of several large-scale capital projects. Prior to that, Ms. Louie was a senior

Tax Manager at Ernst and Young from 2004 to 2006 and from 1995 to 2004, she held various positions with Duke Energy Canada, including Director of Corporate Reporting. Ms. Louie began her career articling with Ernst and Young and holds a Bachelor of Commerce degree from the University of British Columbia.

“Elaine has been an important part of the Company through its evolution from explorer to developer. She was a key lead in obtaining the Company’s social license and has been a vital committed contributor over the years. We very much appreciate all of her contributions and wish her every success in her future endeavours,” said Bruce McLeod, President & CEO. “We are excited to have Wendy Louie join the team. Wendy has a background that aligns well with our future plans and we believe her breadth of experience is invaluable as the Company prepares to become a gold producer. On behalf of the Board of Directors, I would like to welcome Wendy aboard.”

Ms. Bennett will continue on with the Company during a transition period to integrate Ms. Louie into the Company’s Finance Department.

***Sabina Gold & Silver Corp***

Sabina Gold & Silver Corp. is well-financed and is an emerging precious metals company with district scale, advanced, high grade gold assets in Nunavut. Sabina recently filed an Updated Feasibility Study (the “UFS”) on its 100% owned Back River Gold Project which presents a project that will produce ~223,000 ounces of gold a year (first five years average of 287,000 ounces a year with peak production of 312,000 ounces in year three) for ~15 years with a rapid payback of 2.3 years, with a post-tax IRR of ~28% and NPV5% of C\$1.1B. See “National Instrument (NI) 43-101 Technical Report – 2021 Updated Feasibility Study for the Goose Project at the Back River Gold District, Nunavut, Canada” dated March 3, 2021.

The Project received its final major authorization on June 25, 2020 and is now in receipt of all major permits and authorizations for construction and operations.



### Welcome New Members!

Please join us in welcoming the newest Chamber of Mines members!

- **Benchmark Metals Inc.** is an Edmonton-based mineral exploration company led by a dynamic group of resource sector professionals who have a strong record of success in evaluating and advancing mining projects from exploration through to production, attracting capital and overcoming adversity to deliver exceptional shareholder value. They are based in Edmonton and mineral exploration interests for diamonds and gold in Nunavut. Contact Jim Greig, President at [jimg@benchmarkmetals.com](mailto:jimg@benchmarkmetals.com), and visit: [www.benchmarkmetals.com](http://www.benchmarkmetals.com).
- **GoldMining Inc.** is a Vancouver based corporation that is acquiring and advancing Gold Projects in the Americas. Their portfolio includes the Nicholas Lake, Bruce and Ormsby projects in the Yellowknife greenstone belt in and around the past producing Discovery gold mine, reporting nearly 1.8 million measured, indicated, and inferred ounces of gold. Contact Alastair Still, CEO at [astill@goldmining.com](mailto:astill@goldmining.com), visit: [www.goldmining.com](http://www.goldmining.com).
- **Sharleen Hamm Consulting** provides strategic management advice as well as regulatory and technical support to industry, landowners, stakeholders and collaborators in Northern Canada. Focusing on people, projects and processes, Sharleen is a Registered Professional Biologist with a background in environmental engineering, alternative dispute resolution and administrative justice. Contact Sharleen at [sharleen@sharleenhamm.com](mailto:sharleen@sharleenhamm.com)

### Chamber of Mines' social media

Follow via live [Twitter](#) and [Facebook](#) links



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**Northern Mining News** is written and published by the NWT & Nunavut Chamber of Mines for free distribution electronically to those interested in the northern minerals industry.

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## Mines and promising Northwest Territories projects

The following table describes leading mineral development projects in the NWT.

Project Name	Owner(s)	Commodity	Description	Status
<a href="#">Ekati Mine</a>	<a href="#">Arctic Canadian Diamond Company Ltd.</a> , and Dr. Stewart Blusson	Diamonds	Canada's first and largest diamond mine, 310 km. NE of Yellowknife. Open pit and underground. Mine life to 2028. Workforce in 2019, 1,186. The Ekati mine consists of two joint ventures, the core zone joint venture and the buffer zone joint venture, in which the company has interests of 88.9% and 72.0%, respectively. Reserves at 31 January 2017 were 68.9 million tonnes at 1.5 carats per tonne for 105.4 million carats. Inferred mineral resources were 20.6 million tonnes at 1.0 carats per tonne for 19.8 million carats. Additionally, Fox Deep indicated and inferred resources of 51.0 million tonnes at 0.4 carats per tonne for 18.7 million carats.	Media release 3 February 2021 Dominion Diamond Mines sells Ekati mine to Arctic Canadian Diamond Company
<a href="#">Diavik Mine</a>	<a href="#">Rio Tinto</a> (operator) & Dominion Diamond Mines ULC (DDM managed by FTI Consulting)	Diamonds	Canada's largest producer of diamonds, 300 km NE of Yellowknife. Mine life to 2025. Became all underground mine in 2012. Workforce in 2019, 1,124. New A21 open pit development budgeted at US\$350m over 4 years. A21 grand opening celebrated August 2018. Reserves at Dec 31, 2019 were 10.5 million tonnes at 2.4 carats/tonne.	Media release 9 July 2020 Rio Tinto supports COVID-19 isolation shelter in Yellowknife
<a href="#">Gahcho Kué Mine</a>	<a href="#">De Beers Canada Inc</a> (51% and operator) and <a href="#">Mountain Province Diamonds Inc.</a> (49%)	Diamonds	Located 280 km NE of Yellowknife, NWT. Workforce in 2019, 574. Located at Kennady Lake, approximately 280 km northeast of Yellowknife and 80 km southeast of De Beers' Snap Lake Mine in the Northwest Territories, the Gahcho Kué Mine is a joint venture between De Beers Canada Inc. (51%) and Mountain Province Diamonds Inc.(49%).The mine began the ramp up of production in early August 2016 and was officially opened on September 20, 2016. The mine commenced commercial production in March 2017. Gahcho Kué is an open pit operation, mining three kimberlite pipes in sequence: 5034, Hearne and Tuzo. Mine life of approximately 12 years.	Media release, 14 October 2021: Mountain Province Diamonds Announces Third Quarter 2021 Production Results, Details of Earnings Release and Conference Call  Media release, 27 September 2021: Mountain Province Diamonds Announces Quarterly Sales Results  Media release, 27 September 2021: Mountain Province Diamonds Announces Extension of Revolving Credit Facility, Repayment of Term Loan  Media release 14 September 2021: Mountain Province Diamonds Announces Results of Annual General Meeting of Shareholders  Media release 10 September 2021: Mountain Province Diamonds Announces Changes to The Board of Directors, Reminds Shareholders of Annual General Meeting
<a href="#">Nechalacho</a>	<a href="#">Vital Metals</a> (Cheetah Resources)	Rare earth element concentrate	Nechalacho, the NWT's newest mine! Vital Metals' Nechalacho rare earths mine in Canada's Northwest Territories (NWT) hosts a world-class resource of 94.7Mt at 1.46% REO (measured, indicated and inferred). Nechalacho is about 100km southeast of Yellowknife. The North T Zone at Nechalacho hosts a high-grade resource of	Media release, 18 October 2021: Vital and Ucore Execute MOU for the Supply of Rare Earth Carbonate  Media release, 18 October 2021: REEtec Increases Offtake of Vital's REO by 50%  Media release, 4 October 2021: Vitals Saskatoon Rare Earth Extraction Plant on Track for First Feed End 2021

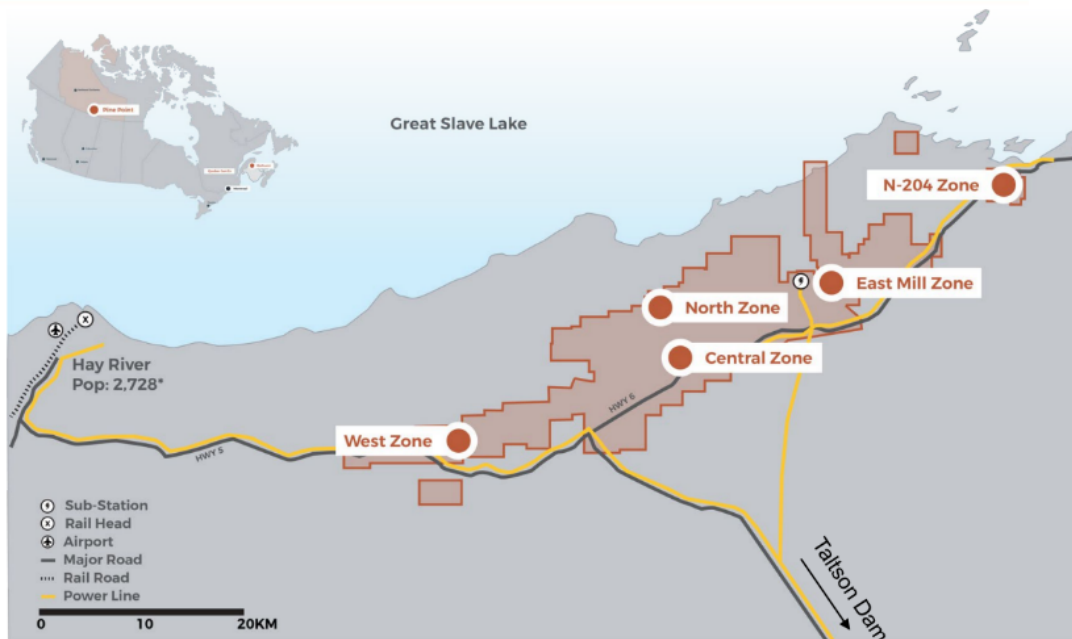
			101,000 tonnes at 9.01% LREO (2.2% NdPr), making it one of the highest grade rare earths deposits in the world. In March 2021, Cheetah/Vital announced the start of mining of mixed rare earth element concentrate at Nechalacho. Initial employment is 30 and demonstration mine life 3 years.	Media release 20 September 2021: Rare Earth Grades Mined at Nechalacho Exceed Vital's Expectations – Site Update  Media release 10 August 2021: Vital Metals Ltd Enters Agreement to Acquire Heavy Rare Earth Projects  Media release 8 August 2021: Vital Increases Focus on US Investor Market with Tectonic
MON Mine	60 North Gold	Gold	In final stages of permitting a small gold mine in the Yellowknife Volcanic Belt, north of Yellowknife. The Mon Mine produced 15,000 ounces of gold from 15,000 tonnes of ore between 1989 and 1997, operating on a seasonal basis to a depth of 15 m below surface, with gold prices generally averaging between US\$350 and US\$400 per ounce. Permits to mine and mill at 100 tpd are in place, making the Mon Mine the only gold project permitted for production in the NWT. Crews are currently on site and mining will commence once the infrastructure is in place and operating properly.	Media release, 28 September 2021: Sixty North Gold Announces Renewal of a Marketing and Investor Relations Agreement with FrontTier Flex Marketing  Media release, Sept 1, 2021: Sixty North Gold Announces Debt Settlements and Stock Option Grants  Media release 12 August 2021: Sixty North Gold Announces Closing of Second Tranche of Non-Brokered Unit Offering
Prairie Creek	NorZinc Ltd.	Zinc-lead-silver	Proposed underground mine 120 km west of Fort Simpson. Estimated mine jobs: 220 All permits now in place to construct and operate the mine. Feasibility Study completed in 2017 supports 15-year mine life, subject to completion of financing, and 2.5-year construction phase. The Company's activities are primarily focused on the completion of permitting for an expanded project design and ultimate development of the Prairie Creek silver-zinc-lead mine. In Q4 2019, the Company received the final Water License and Land Use Permit from the Mackenzie Valley Land & Water Board and Parks Canada for construction of All Season Road access to the Prairie Creek Project. In Q4 2020 the Company received renewed operating WL and LUP permits for the Mine from the MVLB and NWT.	Media release: 7 October 2021: NorZinc Signs Renewed MOU with Boliden for Sale of Zinc Concentrate at Prairie Creek Mine  Media release, 4 October 2021: NorZinc Announces Sale of Newfoundland Mineral Properties for \$2.6M  Media release, 31 August 2021: Norzinc Announces High-Grade Silver (391 G/T) and Copper (1.6%) MqV Intercept Occurring Over 1.0m  Media release, August 11, 2021: Norzinc Provides Q2 Results; Announces Impact Benefit Agreement with LKFN  Media release, 6 August 2021: NorZinc Announces Closing of Prospectus Offering and Private Placement for Gross Proceeds of \$7.2 Million  Media release 13 July 2021: NorZinc Announces Proposed Marketed Prospectus Offering
NICO	Fortune Minerals Limited.	Cobalt-gold-bismuth-copper	Proposed open pit and underground mine located 50 km NE of Whati. Estimated mine jobs: 150. Mine life, 20 years. In March 2018, The Mackenzie Valley Environmental Impact Review Board has recommended that the Tliche all-season road be approved. The approval is subject to measures designed to mitigate potential environmental, social, and cultural impacts. The Government of the Northwest Territories, Department of Transportation and Tliche Government received this conditional	Media release, 20 October 2021: Fortune Minerals Announces the Passing of Carl Clouter  Media release, October 20, 2021: Fortune Minerals Announces the Passing of Carl Clouter  Media release, 23 September 2021: Fortune Minerals Announces Start of NICO Drill Program  Media release 17 March 2021 Fortune Minerals announces five high priority drill

			approval on March 29, 2018, enabling construction of the 97-kilometre Tlicho Road to connect the community of Whati to the territorial highway system.	targets east of NICO deposit from modelling geophysics
<a href="#">Kennady North</a>	<a href="#">Mountain Province Diamonds Inc.</a>	Diamonds	Kennady North project comprises 13 leases and claims immediately to north and west of 4 leases controlled by the Gahcho Kué Joint Venture (see above). Project aims to identify a resource along the Kelvin – Faraday kimberlite corridor of between 12 and 15 million tonnes at a grade of between 2 and 2.5 carats per tonne and to identify new kimberlites outside of the corridor. The Kelvin – Faraday corridor is a target for further exploration. Potential quantity is conceptual as there has been insufficient drilling to define a mineral resource and it is uncertain if further exploration will result in target being delineated as a mineral resource.	Media release 13 July 2020 Mountain Province Diamonds obtains waiver under revolving credit facility
<a href="#">Indin Lake</a>	<a href="#">Nighthawk Gold Corp</a>	Gold	Nighthawk controls over 90% of the prospective Indin Lake Greenstone Belt in this historic gold camp with a total ground position now comprising 930 sq km, approximately 220 km north of Yellowknife, NT. The Indin Lake Greenstone Belt is one of Canada's most underexplored gold camps. The property contains 14 known gold deposits and showings, 3 are historic mines (eg Colomac)	Media release, 14 October 2021: Nighthawk Completes 72,325 Metres as Part of its Successful 2021 Exploration Program  Media release, 7 July 2021, Nighthawk Announces Closing of \$27 Million Bought Deal Financing  Media release June 9, 2021: Nighthawk Increases Bought Deal Financing to \$23.5 Million
<a href="#">Pine Point</a>	<a href="#">Osisko Metals Incorporated</a>	Lead-zinc	Proposed open pit mine east of Hay River, NT. 10-year LOM plan will consist of mining open pit and underground deposits. The overall strategy is to achieve an average LOM production rate of 11,250 tonnes per day. The open pit mineral resource inventory used in the LOM plan is contained in 47 open pits. Indicated Mineral Resource: 12.9Mt grading 6.29% ZnEq (4.56% Zn and 1.73% Pb) representing approximately 25.5% of the declared tonnage in the updated 2020 MRE. Inferred Mineral Resource: 37.6Mt grading 6.80% ZnEq (4.89% Zn and 1.91% Pb). The realized project would have a significant impact NWT, with the potential of generating over C\$529M in combined federal and territorial tax revenue and contributing approximately 258 jobs during production phase and ~395 jobs during the construction period.	Media release, 27 September 2021: Osisko Metals Intersects 10.7 Metres Grading 10.75% Zinc + Lead at Pine Point  Media release, July 14: Osisko Metals Announces the Re-Start of Drilling at Pine Point  Media release June 2, 2021: Osisko Metals Provides Initial Findings on Pine Point Hydrogeological Program  Media release, May 18, 2021: Osisko Metals Announces Final Results From Winter Drill Campaign
<a href="#">Courageous Lake</a>	<a href="#">Seabridge Gold Inc.</a>	Gold	Proposed open pit mine 240 km NE of Yellowknife. 6.5 M oz proven and probable reserves in 91.0 million tonnes at 2 g/t (2016 Annual Report). Positive PFS July 2012. The FAT deposit is one of Canada's largest undeveloped gold projects. Seabridge	Media release 29 April 2021 Seabridge sells residual Red Mountain interest for US\$18 million



			is currently focusing on their KSM mine and other BC projects.	
Selwyn Project (Howard's Pass Project)	Selwyn Chihong Mining Ltd.	Zinc, lead	Proposed base metal mine in Yukon on NWT border and access is through NWT. Agreements signed with NWT (Sahtu) Indigenous land corporations. The project will process multiple open pit mines over an approximate 10+ year mine life and includes a mineral processing plant, tailing management facility and the required onsite infrastructure. The mine is being designed to process 38,500 tonnes per day (tpd) of ore which, after processing, is expected to result in 2,500 tpd of zinc and 600 tpd of lead concentrate, which would be trucked to the Port of Stewart for export. Selwyn Chihong estimates the proposed mine will create approximately 1500 jobs during construction and approximately 750 during operation.	According to the website, the proposed Selwyn Project could enter production by 2022. At current resources estimates, the mine would operate for approximately 11 years. However, Selwyn Chihong will continue to develop the deposit during production which may extend the life of the mine. Selwyn Chihong intends to complete as much reclamation as possible during mine operation.

## Support infrastructure already in place



- CN Rail Head, Highway and Flights from Edmonton to Hay River
- Paved Highway from Hay River to Site.
- Property within 60 km of Hay River
- Low-Cost Hydro-Electric Power Available On Site From Taltson Dam.

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Osisko's proposed Pine Point mine already has significant infrastructure in place from Cominco's previous mining. (See [June corporate presentation](#))

## Mines and promising Nunavut projects

The following table describes leading mineral development projects in Nunavut.

Project	Owner(s)	Commodity	Description	Status
<a href="#">Meadowbank Gold Mine</a>	<a href="#">Agnico Eagle Mines Ltd.</a>	Gold	In operation since 2010. Produced its three millionth ounce gold in 2018. Open pit mine located in the Kivalliq Region, 300 km west of Hudson Bay and 70 km north of Baker Lake. The Meadowbank Complex refers to the mining, processing and infrastructure at the Meadowbank mine site combined with the mining and infrastructure at the nearby Amaruq site. Meadowbank achieved commercial production in March 2010 and produced its three millionth ounce of gold in 2018 with 2019 the final year of production. The company declared commercial production at the Whale Tail pit at Amaruq mining operation on September 30, 2019. The life of mine plan for the Whale Tail pit calls for the production of approximately 2.5 million ounces of gold between 2019 and 2026.	Media release, July 8, 2021: Agnico Eagle Provides an Update on Exploration Results for H1 2021 (including Meadowbank mine)  Blog 3 May 2021 Agnico Eagle Wins 2021 Towards Sustainable Mining® community engagement award
<a href="#">Meliadine Gold Mine</a> (commercial production May 14, 2019)	<a href="#">Agnico Eagle Mines Ltd.</a>	Gold	Meliadine mine declared commercial production on May 14, 2019. 25 km NE of Rankin Inlet. 526 employees. IIBA signed June 2015. Total capital cost ~\$830m, below \$900m forecast; mine life ~15 years. On February 15, 2017: Agnico Eagle approved Meliadine and Amaruq projects for development with production beginning in 2019. The high-grade Meliadine gold project has (by Dec 2019 figures) 4.07M ounces of gold in proven and probable reserves (20.7 million tonnes @ 6.10 g/t).	Media release, July 8, 2021: Agnico Eagle Provides an Update on Exploration Results for H1 2021 (including Meliadine mine)
<a href="#">Hope Bay</a> (Mine began commercial production May 15, 2017)	<a href="#">Agnico Eagle Mines Ltd.</a>	Gold	Gold mine 130 km south of Cambridge Bay. The property covers the majority of the Hope Bay Greenstone Belt. On January 5, 2021 Agnico Eagle <a href="#">announced</a> it would be acquiring TMAC Resources Inc., the operator of the Hope Bay property located in the Kitikmeot region of Nunavut, Canada. The property and operations are remote but not isolated, serviced by both a port and airstrip. Hope Bay is an 80 km by 20 km Archean greenstone belt that has been explored by BHP, Miramar, Newmont and TMAC over a period spanning more than 30 years. TMAC began producing gold in early 2017 from Doris, its first mine at Hope Bay, and processed gold at the Doris processing plant which originally had nameplate capacity of 1,000 tpd, expanded to 2,000 tpd midway	Media release, 15 Sept 2021: Agnico Eagle Reports Fatal Accident Near Hope Bay Project  Media release, July 8, 2021: Agnico Eagle Provides an Update on Exploration Results for H1 2021 (including Hope Bay mine)  Media release Feb 2, 2021: Agnico Eagle Mines Limited completes acquisition of TMAC Resources Inc.

			through 2018. TMAC acquisition was officially completed February 2, 2021.	
<a href="#">Mary River Iron Mine</a>	<a href="#">Baffinland Iron Mines Corporation</a>	Iron	<p>Open pit mine 936 km north of Iqaluit.</p> <p>2019 marks 5 full years of Mary River operations. Baffinland continues its phased development of the mine. As of 2019, highlights include:</p> <ul style="list-style-type: none"> <li>•Over \$65 million in wages to Inuit</li> <li>•Over \$1.2 billion in contracts signed and awarded to Inuit firms</li> <li>•~\$800,000 in sponsorship and donations since 2016</li> <li>•435 graduates of pre-employment training programs</li> <li>•~100,000 hrs of training provided directly to Inuit Project employees</li> </ul>	<p>Media release, 19 October 2021: Baffinland Launches Dust Audit in North Baffin Island</p> <p>Media release 15 July 2021: Baffinland To Welcome Nunavummiut Back to Mary River</p> <p>Media release, 13 July 2021: Baffinland To Avoid Spring Icebreaking</p>
<a href="#">Back River</a>	<a href="#">Sabina Gold &amp; Silver Corp.</a>	Gold	<p>Sabina recently filed an Updated Feasibility Study (the “UFS”) on its 100% owned Back River Gold Project which presents a project that will produce ~223,000 ounces of gold a year (first five years average of 287,000 ounces a year with peak production of 312,000 ounces in year three) for ~15 years with a rapid payback of 2.3 years, with a post-tax IRR of ~28% and NPV5% of C\$1.1B (NI 43-101 Technical Report – 2021 Updated Feasibility Study for the Goose Project at the Back River Gold District, Nunavut, Canada) dated March 3, 2021. The Project received its final major authorization on June 25, 2020 and is now in receipt of all major permits and authorizations for construction and operations. In addition to Back River, Sabina also owns a significant silver royalty on Glencore’s Hackett River Project.</p>	<p>Media release, 27 September 2021: Sabina Gold &amp; Silver Announces Changes to Executive Team</p> <p>Media release 7 September 2021: Sabina Gold &amp; Silver Discovers New Mineralization Structure and Reports Final 2021 Spring Drill Results</p> <p>Media release 30 August 2021: Sabina Gold &amp; Silver Announces Completion of US\$20 million Debt Facility for the Proposed Goose Mine at the Back River Gold District</p> <p>Media release 24 August 2021: Sabina Gold &amp; Silver Announces Significant Progress on Activities at the Back River Gold District</p> <p>Media release Aug 13, 2021 Sabina Gold &amp; Silver Announces Interim Financial Results For Q2</p> <p>Media release Aug 10, 2021: Sabina Reports Strong Mineralization at Hook Goose Main and Nuvuyak</p>
<a href="#">Chidliak</a>	<a href="#">De Beers Group</a>	Diamonds	<p>Located 120kms NE of Iqaluit, Nunavut, and 180 km S of Pangnirtung. 74 kimberlites discovered with 8 potentially economic on 317,213-hectare site. Positive Phase One PEA, updated May 2018 highlights:</p> <ul style="list-style-type: none"> <li>•After-tax payback of 2.2 years</li> <li>•Life of mine 13 years</li> <li>•Resource at CH-6 and CH-7 exceeds 22 million carats</li> <li>•Pre-production capital requirement ~\$455m, incl \$95m for access road from Iqaluit, \$55m in contingency</li> <li>•Pre-tax NPV(7.5) of \$1069 million and a pre-tax IRR of 38.6%</li> <li>•After-tax NPV(7.5) of \$679 million and an after-tax IRR of 31.1%</li> </ul>	<p>Media release 9 July 2020 De Beers Group: Inuit firm successfully completes critical Chidliak maintenance</p>
<a href="#">Naujaat Diamond Project</a>	<a href="#">North Arrow Minerals</a> partnered with <a href="#">EHR Resources</a>	Diamonds	<p>7 km from tidewater; 9 km from Repulse Bay, Melville Peninsula; 7,143 hectares of contiguous mineral</p>	<p>Media release August 19, 2021: North Arrow Reports Completion of Naujaat Project Bulk Sample</p>

			claims. Largest kimberlite in Nunavut.	Media release June 21, 2021: North Arrow Starts Bulk Sampling Program At Naujaat Diamond Project, Nunavut
<a href="#">Committee Bay Gold Project</a>	<a href="#">Fury Gold Mines</a> formerly Auryn Resources	Gold	<ul style="list-style-type: none"> <li>• High grade gold endowment</li> <li>• Existing exploration infrastructure</li> <li>• Over 270,000 hectares with district scale discovery opportunities</li> </ul>	<p>Media release, October 13, 2021: Fury Completes Cad\$5,596,088 Non-Brokered Private Placement</p> <p>Media release, October 6, 2021: Fury Closes First Tranche of Non-Brokered Private Placement</p> <p>Media release, September 7, 2021: Fury Provides Corporate and Exploration Update</p>



*Northern lights over Agnico Eagle's Meliadine mine in Nunavut. (Credit: Agnico Eagle)*



## Project Maps

