

Northern Mining News

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From the Editor ...

Some great stories again this month. Ekati mine has awarded the contract for their first underwater remote miner, a development that could add more years of mine life. And their discovery of the largest coloured Canadian diamond reminds us of why that’s important.

Great progress is being made on mine construction now at Goose in Nunavut and Prairie Creek in the NWT. Pictures say a thousand words, and we’ve provided some great ones in this issue. On that note, look at the high-grade copper ore that’s emerging in drill core at the exciting Storm project in NU.

Our Chamber has been busy too with support for Nunavut Mining Week, and with important submissions on the Draft Nunavut Land Use Plan and on Canada’s Critical Minerals Strategy . Take a few minutes to check them out.

Happy Reading!

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

NOW OPEN! 50th Geoscience Forum Registration, Call for Abstracts, Hotels

Visit the [2022 50th Anniversary Geoscience Forum website](#) where you can register for the conference, submit an abstract to present at the conference, find a hotel, and learn more about the largest conference and tradeshow in the north! We are pleased to be organizing it as a traditional, in-person event again.

The Northwest Territories Geological Survey organises the Technical Program of the Yellowknife Geoscience Forum, and welcome oral and poster presentations on Geoscience & Environmental Science Research and Geoscience-Related topics from academics, government and private sector delegates. Abstracts are required for both oral and poster presentations and must be submitted via the website before the **deadline of October 12**.

The Chamber of Mines organizes the Tradeshow program. Those wishing to host a booth, and those wishing to help sponsor the Forum should contact Cheryl Wourms at conference@miningnorth.com.

Early bird registration rates apply until October 31. Chamber members get a preferred registration rate.

Optional events include the annual MAX Awards banquet on November 17, and for members only, the Chamber of Mines' Annual General Meeting on November 16.

We have negotiated preferred rates with various hotels in Yellowknife. Please contact the hotel of your choice noted on the website and book directly with them, using the select booking code (if one is noted). Click [here](#) for details.

Hope to see you there!

Rare Earths Summit – NWT and Saskatchewan key players

(Courtesy Saskatchewan Government release)

Saskatchewan's leadership in rare earth elements (REE) production, research and education debuted in Saskatoon on September 20 as private and public sector collaborated to showcase three significant initiatives that are attracting international attention.

The Rare Earth Summit focused on sites in the city's north industrial end, where Vital Metals Ltd. will unveil Phase One of its Rare Earth Extraction Facility, alongside the Saskatchewan Research Council's (SRC) \$55 million vertically integrated Rare Earth Processing Facility that will include processing, separation and metals stages - a first-of-its-kind in North America. Industry leaders from the Canadian Chamber of Commerce's **Critical Minerals Council** met in-person to discuss growing and securing ethically sourced responsible supply chains of critical minerals.

Saskatchewan, with its excellent workforce, environmental protection, intermodal transportation and energy infrastructure, respected education facilities and an established mineral processing culture and infrastructure and low cost of living make it an ideal location to create a centre of REE excellence within North American and international reach. Initially, the province will see an estimated 100+ new jobs created between the Vital and SRC projects.

Global industries ranging from electric vehicles, wind turbines, energy efficient air conditioners and elevators, mobile phones, LEDs, to medical, defense and communications are increasingly reliant on reliable, affordable and responsibly sourced rare earths that are essential to today's fast-growing technologies. Canada has declared that securing supply chains of REEs, along with 30 other critical minerals is in the national interest.

"I am extremely pleased that SRC is not only meeting, but exceeding, the Saskatchewan Growth Plan goal of being the first North American processing facility to deliver individual, high purity REEs and now magnet metals," Minister Responsible for SRC Jeremy Harrison said. "Building a rare earth hub and the



Vital Metals CEO Russell Bradford (center with tie) joined by guests representing government Indigenous and Metis stakeholders, and business, celebrated the new processing facility in Saskatoon. Courtesy of Vital Metals.

much-needed supply chains required to meet net zero goals in Canada and around the world will need to be a collaborative effort - one that is being showcased through this Summit."

"The world is watching us," Vital Metals Ltd. and Cheetah Resources Corp Vice-President of Strategy and Corporate Affairs David Connelly said. "We are Canada's first rare earths miner and producer. Our teams at the Nechalacho rare earth project in the Northwest Territories, and here at Vital Metals' Rare Earth Extraction Facility in Saskatoon, are the cornerstones of an independent mine-to-motor supply chain. We're intensely proud to be here in Saskatoon, along with SRC and the Canadian Chamber of Commerce, to share our story with you."

"Canada has the potential to be a world leader in supplying the critical minerals market," Canadian Chamber of Commerce President and Chief Executive Officer Perrin Beatty said. "Critical minerals are essential in the production of consumer goods, industrial applications as well as green infrastructure vital to the transition to a low carbon economy. Showcasing Saskatchewan as the continental hub for value-added rare-earth products sends a message - that Canada can provide global markets with the essential building blocks for a low-carbon future. Projects like this will enable us to move beyond mining and capture the mid and downstream processing and manufacturing value chains."

See also Vital Metals' release on this event and their Saskatchewan plant in this issue of the newsletter.

Chamber tables serious concerns on the Draft Nunavut Land Use Plan

The Nunavut Planning Commission continues to hold public hearings in various Nunavut and Manitoba communities to discuss the DNLUP (Draft Nunavut Land Use Plan) released last year. The Chamber of Mines submitted its many concerns over the restrictive draft, and tabled them at the Cambridge Bay public hearings in September.

Written submissions on the DNLUP can be found on the NPC public registry [here](#). Presentations can be found [here](#). The Chamber of Mines [English presentation](#) can be found here. View the Inuktitut version on our website [here](#). Or click on the icons above.

Chamber Submits recommendation for Canada’s Critical Minerals Strategy

Over the summer, the Federal Government sought comments from the public to help draft the country’s first Critical Minerals Strategy. The plan would augment arguably the richest mining budget Canada has ever tabled for \$3.8 billion, all focused on critical minerals development to help address climate change, and to bolster western world supply chains and manufacturing.

The Chamber of Mines submitted a comprehensive document which can be found [here](#).

The Discussion Paper has a particularly powerful and salient paragraph ([page 20 of the Discussion Paper](#)), which describes the situation we face in Northern Canada. We recommend it be retained and grown in the final Strategy. It reads:

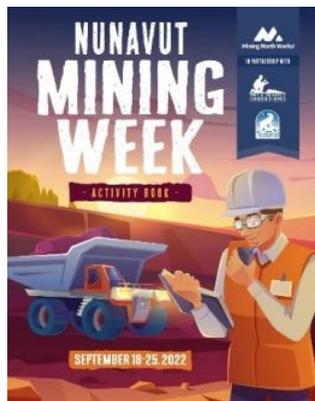
“Mining companies, particularly junior companies, face the challenge of raising the private investment required to reach the production stage. In rural, Northern, and remote regions, infrastructure gaps also hamper mineral development. To boost or develop new mine production, and to do so in a cost-effective and environmentally responsible way, the Government of Canada will look for opportunities to partner with the private sector in financing new projects, support building the necessary infrastructure for priority deposits, advance innovation to improve efficiency and environmental performance, strengthen Indigenous engagement, and streamline regulatory and permitting processes.”



We built on many of those points in our submission. We also reinforced that there are 4 new critical mineral projects advancing closer to mining in the NWT, with one of them already mining on a small scale. It is critically important that they all become mines as they will all be required to offset the NWT’s maturing diamond mining industry, and the closure of Diavik in 2025. These mines, of course, will also contribute to Canada’s production of critical minerals.

Nunavut Mining Week a great success!

Our Nunavut General Manager, Priya Sharma worked closely with government geologists and other volunteers to support Nunavut Mining Week 2022, the week of September 18-25. An excellent youth [Activity Book](#) was released with contests and prizes. Among the activities was a geology walk at Sylvia Grinnell Park outside of Iqaluit. Along with a BBQ supported by Nunavut Senator Dennis Patterson flipping burgers, a great time was had by all on the stellar fall day.





There was a great turnout for the Geology Walk in Sylvia Grinnell Park outside of Iqaluit. And why not with such an interesting topic and beautiful day. Burgers were a bonus! Don't miss Nunavut Mining Week next year!



Member News Releases This Past Month (Hotlinked)

- 3 October 2022, [Fortune Minerals Extends Option to Acquire the Alberta Refinery Site for the NICO Critical Minerals Project](#)
- 30 September 2022, [Vital Metals Annual Report](#)
- 30 September 2022, [NorZinc Enters into Arrangement Agreement in Connection with Proposed Acquisition by RCF](#)
- 29 September 2022, [New Break Identifies High-Grade Gold, up to 70.60 g/t Au, via Grab Sampling at Moray, ONTARIO](#)
- 28 September 2022, [Sabina Gold & Silver Makes First Draw on US\\$125M Gold Stream Facility](#)
- 28 September 2022, [Rover Receives Exchange Approval for IML Critical Minerals Project Acquisition, NT, Canada](#)
- 28 September 2022, [Aston Bay Announces New Copper System Confirmed at Storm Project, Nunavut](#)
- 28 September 2022, [New copper system confirmed at the Storm Project, Canada](#)
- 26 September 2022, [NorZinc Receives Final Mine Permits for Prairie Creek](#)
- 26 September 2022, [Sixty North Gold Proposes Share Consolidation and Announces a Unit Offering](#)
- 23 September 2022, [Arctic Canadian Diamond Company Recovers Canada’s Largest Fancy Vivid Yellow Diamond](#)
- 22 September 2022, [NIRB Recommendation on 6.0Mt Permit for 2022](#)
- 22 September 2022, [Vital Metals Appoints Damon Colbert as CFO](#)
- 22 September 2022, [StrategX Elements Corp. Mobilizes Drill Rig on the Melville Peninsula](#)
- 20 September 2022, [Vital Metals Unveils Rare Earth Processing Plant in Saskatoon](#)
- 19 September 2022, [NorZinc Announces Commencement of Access Road Staging Work at Prairie Creek](#)
- 15 September 2022, [URM development goes into next phase: Arctic Canadian Diamond Company awards IHC Mining with contract for underwater mining crawler](#)
- 15 September 2022, [Rover Metals Signs Definitive Option Agreement For Brownfields Critical Minerals Project At 60th Parallel, NT, Canada](#)
- 15 September 2022, [This month we spoke with Blue Star Geologist Emily Wiggins.](#)
- 14 September 2022, [NorZinc Launches Metallurgical Test Program for Prairie Creek](#)
- 13 September 2022, [ValOre Drilling Intersects Multiple Radioactive Zones at Dipole and J4 West Targets, Angilak Property Uranium Project, Nunavut, Canada](#)
- 12 September 2022, [Nighthawk Gold Announces Formation of New Wholly-Owned Royalty Company to Potentially Unlock Value for Shareholders](#)
- 9 September 2022, [Vital Metals provides Market Update](#)
- 8 September 2022, [Rover Metals Launches New Website Showcasing Pivot to Critical Minerals](#)
- 8 September 2022, [Aston Bay Announces 48 Metres of 2.92% Copper Intersected at Storm Project, Nunavut](#)
- 7 September 2022, [American West: Outstanding Drilling Results Continue at Storm, NU](#)
- 7 September 2022, [Blue Star Gold Completes 2022 Exploration Program; 8.18 g/t Gold Over 4.2 Metres Intersected at Gnu Zone](#)
- 7 September 2022, [Gold Terra Announces Initial Mineral Resource Estimate: 109,000 Gold Ounces Indicated and 432,000 Gold Ounces Inferred on the Con Mine Option Property, NWT](#)
- 7 September 2022, [Sabina Gold & Silver Makes Formal Construction Decision for the Goose Gold Mine](#)

DETAILED MEMBER UPDATES

Ekati mine takes underwater mining to next stage – big diamond prizes!

URM development goes into next phase: Arctic Canadian Diamond Company awards IHC Mining with contract for underwater mining crawler

On September 14, Arctic Canadian Diamond Company and IHC Mining announced reaching the next important milestone in the development of the underwater remote mining (URM) system for the extraction of diamond-bearing kimberlite ore from deep open pits at the Ekati Diamond Mine in the Northwest Territories of Canada. Arctic Canadian has now awarded IHC Mining with a contract to build and deliver an Underwater Mining Crawler for the URM system. This contract follows the first milestone of the Launch and Recovery Platform being awarded by Arctic Canadian for the URM system, earlier this year. The platform is scheduled for delivery by the end of 2022.

Recently, an expert team from the Netherlands visited the Ekati Diamond Mine in Canada to see the facilities and discuss further implementation of the URM at site. “We received a very warm welcome. Everybody we met at the site is very excited and committed to making this innovative project a success. The facilities are well suited for supporting the URM and preparations are already ongoing,” said Taco de Boer, Manager Mining Consultancy at IHC Mining.

Arctic Canadian and IHC Mining started their cooperation in 2018, to jointly develop an innovative and integrated mining solution. The starting point for the development of the underwater remote mining system, was to economically extract kimberlite from marginal kimberlite pipes and from deep extents of completed open pits. An important focus is to develop a mining solution that would have a much lower environmental impact than conventional mining methods. As the URM crawler is only mining the kimberlite ore and minimal waste, it significantly reduces the mine’s footprint. The URM solution could allow the Ekati Diamond Mine to extend its lifetime by at least 10 years.

The underwater mining crawler is a remote operated continuous mining machine, equipped with the latest underwater control and positioning equipment. The ore is directly excavated with a drum cutter in small layers and eliminates the need for blasting explosives. From the crawler the ore is pumped to the surface of the flooded pit via a vertical pipeline system to the Launch and Recovery Platform, from where the ore is transported further to a dewatering plant. The crawler system is capable of operating at a water depth of up to 400 metres.



Arctic Canadian and IHC Mining’s Underwater Mining Crawler for the Underwater Remote Mining System. The crawler will help recover diamond-bearing kimberlite ore from deep open pits at the Ekati Diamond Mine, in the Northwest Territories of Canada.

“Many other mining solutions were evaluated over the past 15-20 years, but the mining crawler is the technological breakthrough for kimberlite diamond mining we were looking for,” said Jon Carlson, Head of Exploration and Project Development at Arctic Canadian. “With this solution we are taking the next step in the future of diamond-bearing kimberlite mining.”

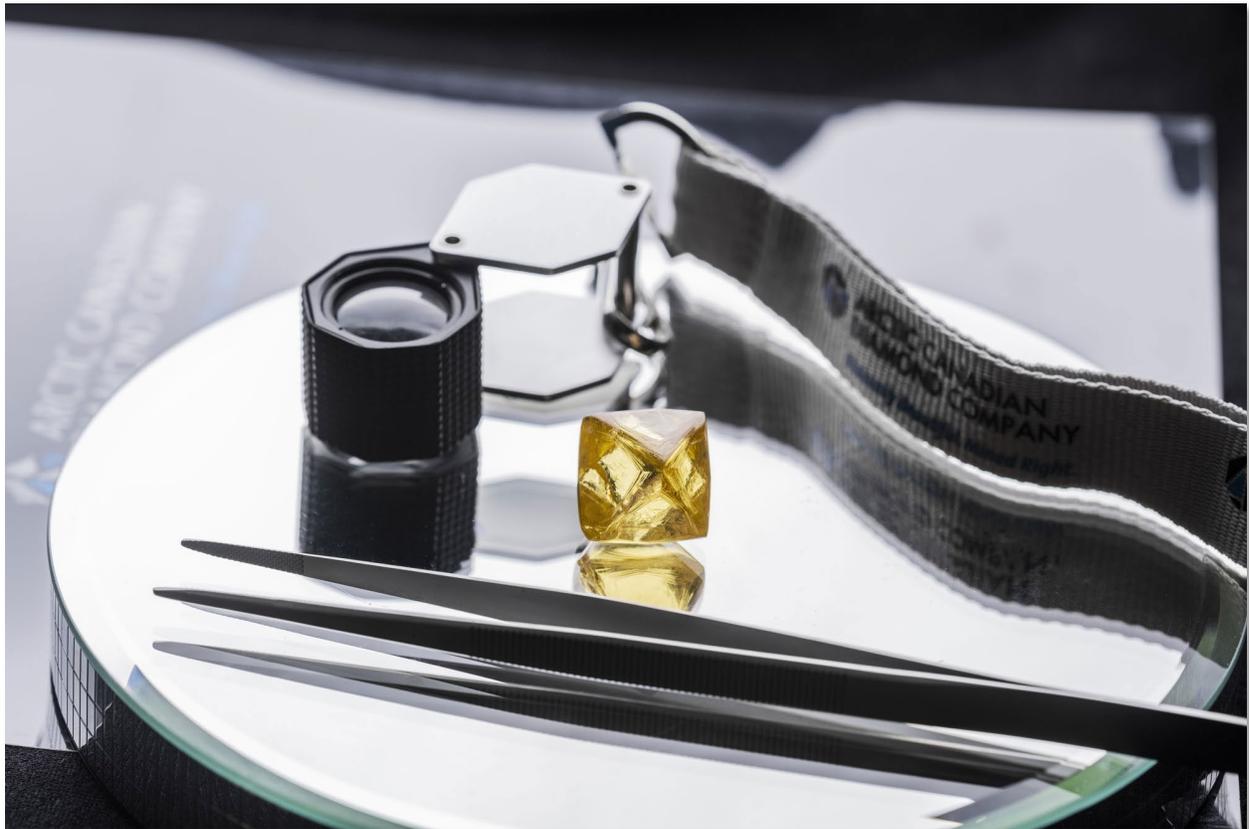
The mining crawler will be built at Royal IHC’s premises in the UK and delivered to Arctic Canadian late 2023. It will then be trialled in the Lynx pit in the summer of 2024, together with the other components of the URM solution. The goal will be the extraction of approximately 150,000 tonnes of Lynx kimberlite ore.

Ekati mine yields Canada’s Largest Fancy Vivid Yellow Diamond

As a nice confirmation of why mining at Ekati continues to be attractive, on September 23, Arctic Canadian Diamond Company announced the recovery of an exceptional gemstone – a beautiful octahedron diamond, weighing in at 71.26 carats.

The stone was recovered on August 25, from the Ekati Mine Misery Pipe, in the Northwest Territories. Industry experts have confirmed it is likely the largest fancy vivid yellow gemstone discovered in Canada.

“This historic fancy vivid yellow gemstone continues to showcase Canada as a major player on the world stage for diamond mining,” said Rory Moore, President and CEO of Arctic Canadian. “Canadian diamonds are some of the most sought-after globally because of responsible mining practices and environmental stewardship. This stone is a testament to Ekati’s ability to deliver value now and into the future.”



A 71.26 carat fancy vivid yellow gemstone was found at the Ekati Diamond Mine, in the NWT on August 25, 2022.

Ekati is Canada's first diamond mine and is known for supplying premium rough diamond assortments to the global market for more than 24 years. The Misery Pipe in specific, has supplied many of the world's precious yellow diamonds.

Arctic Canadian Diamond Company Ltd. is a Canadian mining company and a significant producer and supplier of premium rough diamond assortments to the global market. The company owns and operates the Ekati Diamond Mine, located in Canada's Northwest Territories. In addition to its mining and exploration operations, Arctic Canadian has offices in Canada and Belgium.

Vital Metals Unveils Rare Earth Processing Plant in Saskatoon

Saskatoon, Sask. (Sept 20, 2022) - With the click of a symbolic chain link, Vital Metals and guests today officially unveiled the company's multi million-dollar rare earth processing facility in Saskatoon, Canada.

From India to Estonia and Germany to Australia, some 200 leaders in the global rare earth industry gathered to celebrate Vital's progress in establishing a responsibly sourced supply chain of rare earths for friends and allies.

Representatives of 11 jurisdictions ranged from Indigenous, federal, provincial, territorial and municipal governments to the governments of Australia, Norway, Germany and the United States. They joined Vital Metals interim CEO Russell Bradford as friends and allies in linking together a symbolic rare earth supply chain to mark the event.

"The Vital Metals and Cheetah Resources teams are intensely proud of what everyone has achieved to date," said Bradford at the site of Vital's 3,087 square meter plant. "The foundations have been laid for a great future for all our stakeholders to develop our rare earth business. What we just demonstrated represents our partners and customers in our supply chain, and we are grateful that you are with us today to help celebrate this milestone in our journey."

In the three years since Vital procured the world class Nechalacho rare earth deposit 110 kilometres southeast of Yellowknife, it has applied innovative, low impact technology and practices that cut the mine's carbon and physical footprint by 90 per cent compared to conventional metal mining. In its 2021 production season, it achieved extensive resident engagement with Indigenous employees making up over 70 per cent of its management and workforce.

Referencing Vital Metals' impressive achievements, alongside the major investment by the provincially owned Saskatchewan Research Council, the Hon. Jonathon Wilkinson, federal Minister of Natural Resources Canada, called the evolution of the rare earth industry "a generational opportunity" for Canada. "Ultimately our aim is to grow the supply of critical minerals and rare earth elements, and position Canada as an indispensable nation within the global supply chain," he said in a videotaped message to the Rare Earth Summit event.

"In the NWT, perhaps more than anywhere, we pride ourselves in understanding the important relationship between resource development and socio-economic wellbeing," said the Hon. Caroline Wawzonek, Northwest Territories Minister of Industry, Trade and Investment. "The NWT model for mining projects is at the forefront of Indigenous participation in mining, exploration and development in Canada. We believe it is what sets us apart from global competitors — and makes our territory a great place to invest and do business."

"Vital Metal's investment of over \$20 million dollars will be an important part in establishing our province as a rare earth hub," said the Hon. Jeremy Harrison, Minister Responsible for Saskatchewan Research Council. "Partnerships like these reflect the global recognition that Saskatchewan will an important part of meeting the growing global demand for rare earth elements."

The Mining Association of Canada, in presenting its membership to Vital Metals Executive Vice President Matthew Edler, commended the company on its leadership in Indigenous participation and its innovation in reducing the environmental impact of mining.

Earlier in the day, Saskatoon Mayor Charlie Clark welcomed Vital as the first private sector investor in the city's goal of creating a North American rare earth processing, research and education hub. With related investment by the Saskatchewan Research Council, the city will see tens of millions of dollars injected into the economy, creating an estimated 100 jobs.

Underlining federal support for Vital's achievement as Canada's first producing rare earth mine, the Hon. Dan Vandal, Minister of Northern Affairs, Prairies Economic Development Canada and the Canadian Northern Economic Development Agency (CANNOR), announced \$5 million in funding to Vital to advance its Saskatoon processing facility.

In Saskatoon, beneficiated ore from the NWT will be processed to a high purity, mixed rare earth carbonate. This product will be exported to REEtec in Norway and to Ucore in the United States for separation into individual magnetic rare earth metals. The supply chain continues overseas, where Schaeffler Group of Germany, a major European auto parts manufacturer, has contracted with REEtec for the rare earths required to build electric motors for the burgeoning electric vehicle industry.

The Summit began with a breakfast panel of post-secondary institutions, organized by the Saskatchewan Chamber of Mines, focused on preparing the workforce for Saskatchewan's emerging rare earth industry. The day-long event concluded with a reception hosted by the Hon. Jeremy Harrison, Minister of Trade and Export Development for Saskatchewan.

The Saskatchewan Rare Earth Summit was cosponsored by the Canadian Chamber of Commerce's Critical Minerals Council, Vital Metals, and the Saskatchewan Research Council.

Vital Metals provides Market Update

On September 9, Vital Metals Limited (ASX: VML | OTCQB: VTMXF) provided the following brief update to the market.

The Company's strategic objectives remain unchanged following the departure of the former CEO and Vital continues to work at pace to become Canada's first rare earths producer with the capability to produce commercial quantities of both heavy and light rare earths. New leadership is implementing proven project management disciplines and systems to improve operating performance, in order to deliver the strategic goals.

- At Vitals' 100%-owned Nechalacho Rare Earth Project in Yellowknife, Northwest Territories, Canada the team is presently beneficiating ore from existing stockpiles through the ore sorter and also preparing for the next phase of field activities, which will include a drill program in Q1 2023.
- Construction and early commissioning activities continue as scheduled at Vitals' Saskatoon Rare Earths Extraction Plant in Saskatchewan, Canada. The 3TQ product delivery remains on track for Q4 2022.
- Vital was selected as one of only five Canadian based mining companies to attend a recent Critical Mineral Round Table event attended by delegations of Chairpersons and CEOs from Germany's leading companies, including Volkswagen, Siemens, Mercedes-Benz, K+S and BINZ automotive.
- Offtake partner REEtec and ultimate customer Schaeffler Group are to visit Nechalacho during September 2022.

- Interim CEO visit to REEtec’s rare earth separation facility confirms the ability to be Europe’s first fully integrated non-Chinese supply of REE to European end-users.
- An international search is underway for a new CEO/MD.

Vital Metals interim CEO Russell Bradford said:

“I’d like to take this opportunity to reassure all shareholders and other stakeholders that it’s business as usual, whilst we transition to a new CEO/MD. We continue to advance all our projects with our excellent technical team in Canada and I will be joining them on site in the next few days. I have, in the last week, visited REEtec in Oslo and came away incredibly impressed with the IP and capability of our offtake partner. We remain very well-funded to complete the construction of our Saskatoon plant and commence the important studies and permitting work for our Stage 2 expansion at Tardiff. We are renewing our corporate presentation and will provide a more detailed update when this is released.”

Vital Metals Appoints Damon Colbert as CFO

On September 23, Vital Metals announced the appointment of experienced finance executive Damon Colbert as its Chief Financial Officer.

Highlights

- Mr Colbert has more than 20 years’ experience in finance, business and banking
- Previous roles include Head of Finance at Axicom Pty Ltd and Group Financial Controller at The Star Entertainment Group (ASX: SGR)
- Mr Colbert has a track record in delivering transformational projects and technology and strategic financial management
- His appointment bolsters Vital’s executive team as it transitions to rare earths production and operation.

Mr Colbert has more than 20 years’ experience in finance, business and banking roles. He joins Vital from wireless infrastructure provider Axicom Pty Ltd, where he was Head of Finance for nearly five years, leading the company’s core finance functions and driving operational efficiencies, including implementing robotics process automation technology across its departments.

Prior to that, he was Group Financial Controller for The Star Entertainment Group in Sydney, responsible for group reporting, tax and treasury activities and implementing a capital management framework for the group's property development activities.

Vital Metals Chairman Evan Cranston welcomed Mr Colbert to the role.

“Damon is a highly skilled finance executive and we are thrilled that he has joined our team as we continue to advance all our projects, such as with the recent opening of Phase 1 of our Rare Earth Extraction Facility in Saskatoon, Canada.

“We recently completed a A\$45 million strategic placement and we are refreshing and rounding out our executive team’s skillset to ensure we can continue our growth momentum as a rare earth producer.

Vital Metals Releases 2022 Annual Report

Vital Metals has now released its 2022 Annual Report. Click [here](#) to download.



Sabina Makes Formal Construction Decision for the Goose Gold Mine

Pre-Construction Activities Completed. All Major Equipment and Materials Procured.

On September 7, Sabina Gold & Silver Corp. (SBB – TSX/SGSVF - OTCQX) provided an update on advancements of the Goose Mine development at the Company's 100% owned Back River Gold District in Nunavut, Canada. The Goose Mine is the Company's first mine on the 80 km long Back River Gold District, a multi-generational mining district already with a high-grade world class gold endowment.

Over the past few years, Sabina has been steadily advancing logistics, civil works, engineering and procurement. All pre-development activities are now completed and we are ready for full construction to commence in 2023. All major equipment and materials required for construction have been either procured, marshalled at our east and west transportation hubs, have been delivered or are in transit to the Port Facility in Bathurst Inlet, Nunavut. In addition, the underground ramp has been progressed to our first ore access sublevel and will be sufficiently completed to enable underground drilling of the V2 zone in the 4th quarter of this year. With financing in hand and these significant activities completed, the Board of Directors of the Company has made a formal construction decision for the Goose Mine.

"This is a milestone decision for the Company," said Bruce McLeod, President & CEO "We are excited to formally commit to becoming a significant Canadian gold producer. In the meantime, we have been steadily advancing the project to be in a position to commence full construction in early 2023 with first production expected in Q1, 2025. Our recruitment efforts continue to be successful with considerable additions to the roster (from 30 personnel in March to 142 to-date and still adding), including many key positions."

"Additionally, we are fortunate that our strategy of pre-planning and accelerating procurement efforts has reduced our exposure to inflationary impacts and supply chain issues, and we are sufficiently funded for construction. This is an exciting time for the Company as we move to develop what we believe will be the first mine on this prolific gold district." He said.

After the Company arranged over ~C\$800 million of project financing package earlier this year, significant procurement, engineering and civil work has been completed at both the Goose site and the Port facility.

Of the C\$610 million CAPEX estimated, approximately C\$218 million was identified as direct equipment and materials purchases. Sabina has procured, or has committed agreements to procure, just over 75% of these identified purchases. Reconciliation on purchases have seen an average overall inflationary escalation of 14% since March of 2021, with a 20% escalation on the purchases made in 2022. The Company continues to monitor, with a strategy of pre-planning and accelerating procurement efforts to reduce exposure to inflationary impacts. Efforts now focus on securing the remaining 25% of materials required.

Advancement Highlights and Schedule

Engineering

- FLSmidth ("FLS") has been selected to supply the key process equipment for the Goose Mine. The equipment package is valued at approximately US\$39 million and has been fabricated or is in the production queue for delivery on or before the 2023 sealift to ensure installation prior to the mine start-up date, scheduled for Q1, 2025.
- The design for the Echo open pit, which is to be pre-mined to enable initial tailings storage was completed and pre-stripping is now underway. The early mining of the Echo and Umwelt pits, will ensure approximately two years' worth of stock-piled feed for the mill, will be available prior to commencement of operations; and

- Detailed engineering is approaching 85% completion for the overall project and approximately 95% for the process plant design. The remaining engineering activities are focused on updating vendor data, as the procurement activities progress on miscellaneous equipment.
- Issued For Construction drawings (“IFC”) for all structures are complete with engineering on IFC secondary steel structures expected during the 3rd quarter of this year. Additionally, the IFC drawings for the process plant piping are also near completion.

Procurement

All major items for construction have been procured.

Items include:

- 24 MW (N+2 configuration) Power plant co-generation system with boilers and ancillary equipment (prime power generators) have already been delivered to our Port;
- 95% of the planned mining fleet;
- All major process plant components (for a plant with a capacity of 4000 TPD);
- Permanent accommodation complex (500 units) with kitchen and recreation center;
- 95% of building envelope steel and cladding;
- 100% of project explosives required for construction phase;
- Mobile cranes and major construction support equipment;
- All of the project cement & rebar requirements – with concrete batch plant available on site;
- 80% of secondary structural steel for the process plant and Process piping
- 100% of all tailing, reclaim and freshwater piping for the project (~11.5Km of piping).
- All conveyor galleries and arctic corridors.
- All electrical E-houses.
- Electrical switch gear for the Powerhouse.
- Water and sewage treatment plant.
- HVAC unit and Dust collections systems.
- Fuel dispensing and offloading system for Goose and the port site.
- All the construction and mobile equipment required for the winter ice road construction (construction on both ends of the road to commence simultaneously).
- Crushing/screening unit and washer plant on site for concrete aggregate;
- Additional 15 million litre tank storage for both Goose and Port sites; and
- Liner material for all water management structures.

There is approximately C\$62 million of remaining items to be procured. Financing is in hand for these items which include:

- Remaining platemwork, pumps and tank insulation - materials for which engineering is completed and quotes are being finalized;
- Electrical bulks and cable tray;
- Electrical miscellaneous equipment (process plant and powerplant);
- PLC controls systems;
- Instrumentation for the project;
- Communication systems; and
- Balance of fuel storage at Goose and Port Sites.

Civil Works & Logistics

Considerable pre-development activities have already been completed at the Goose and Port sites.

Port Facility and 2022 Sealift

At the Port Facility an additional 25,000m² of laydown area for equipment and supply storage has been completed.

To reduce the length of the Winter Ice Road (“WIR”) route and improve alignment, an additional 1.9 km of permanent road was constructed to better align and improve traffic flow through the port site.

Additionally, 1.7 km of fuel transfer conduit and road was constructed and installed to safely and efficiently facilitate this year’s fuel delivery.

The first vessel from the east arrived at the Port Facility on August 24 with approximately \$67.5 million of equipment and supplies to be offloaded. The vessel has been successfully off-loaded and has departed our port.

The first barge with equipment & supplies from the west is expected to depart Tuktoyaktuk on September 7, 2022 with scheduled arrival at the Port Facility on September 12th. The second sailing from the west is expected to depart on September 9th. The fuel delivery vessel arrived at the Port Facility on September 5th and is scheduled to be off-loaded.



Port Facility Work Completed in 2022



First Vessel received, off-loaded and departed September 6th., 2022

Goose Site Civil Works

At Goose, approximately 45% of overall project and ~98% of plant site civil works have been completed or are underway including:

- All building bedrock preparations are nearing completion to be ready for concrete civil crews next year;
- 25M liter fuel berm containment is complete;
- 10M liter fuel tank is being prepared for the WIR fuel offload;
- Fresh and potable water systems are being constructed for permanent camp use;
- Plant site dump pond lining placement is underway; and
- Exploration camp upgrades have been completed.



Aerial View of Plant and Accommodation Pad



Pre-Stripping at Echo Pit



Umwelt Underground Portal September 2022



10M Liter Fuel Tank and Berm and plant/accommodation pad construction

Additionally, Echo Pit pioneering work is underway with initial stripping completed and approximately 40,000m³ of material broken. The Echo pit haul road and non-contact water diversion is also under construction.

Development of the underground portal has progressed with approximately 992m completed. With first underground exploration drilling expected to commence in the 4th quarter

Human Resources and Recruitment

Upon completion of the project financing package earlier this year, the Company established a Human Resources team with a focus on recruiting and enhancing existing policies and protocols to enable successful development into a producer. The HR team has been very successful in adding key personnel to the Company roster increasing from 30 full-time employees in March of this year to 142 full-time employees to-date.

Alternative Energy Initiative

Sabina has submitted a regulatory package to the Nunavut Planning Commission and the Nunavut Impact Review Board focused on the advancement of the Back River Alternate Energy Center. This proposal could allow Sabina to install up to 13 wind turbines, each with a power capacity of up to 4.5 megawatts, a solar panel array with a power capacity of approximately 5 megawatts and a battery storage system with a capacity of approximately 50 megawatt-hours. If approved and constructed the

Back River Alternate Energy Center will significantly reduce Project greenhouse gases emissions, reduce traffic on the Winter Ice Road, and reduce the number of ships required. Sabina anticipates further direction on process from the Nunavut Impact Review Board in the coming months.

About Sabina Gold & Silver Corp

Sabina Gold & Silver Corp. is an emerging gold mining company that owns 100% of the district scale, advanced, high grade Back River Gold District in Nunavut, Canada.

Sabina filed an Updated Feasibility Study (the “UFS”) on its first mine on the district, the Goose Mine, 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 at a gold price of \$1,600 USD. 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 has received all major permits and authorizations for construction and operations.

The Company has arranged a comprehensive project financing package comprised of:

- A US\$425 million senior secured debt facility, gold prepay and stream package with Orion Mine Finance and Wheaton Precious Metals Corp.; and
- US\$221 million in equity including Zhaojin’s participation.

The Company is also very committed to its Inuit stakeholders, with Inuit employment and opportunities a focus. The Company has signed a 20-year renewable land use agreement with the Kitikmeot Inuit Association and has committed to various sustainability initiatives under the agreement.

The Company continues to advance exploration and project optimization, including advancing the planned plant expansion to 4,000 tpd from Year two to initial startup.



Last two ships of the season departing and offloading barges in September.

Sabina Gold & Silver Makes First Draw on US\$125M Gold Stream Facility

On September 28, Sabina announced it has drawn US\$31.25 million on its US\$125 million gold stream facility with Wheaton Precious Metals. The proceeds of the stream will be used to continue development and construction of the Company’s Goose Mine.

Blue Star Gold Completes 2022 Exploration Program; 8.18 g/t over 4.2 Metres

On September 7, Blue Star Gold Corp. (TSXV: BAU) (FSE: 5WP0) (OTCQB: BAUFF) announced it has completed its 2022 exploration program across the Company's highly prospective Ulu, Hood River, and Roma projects located in the Kitikmeot Region of Nunavut.

Highlights:

- DD22-MSK-005 returned 8.18 g/t gold over 4.2 m, including 13.53 g/t over 2.19 m starting at 94.08 m downhole; additional assays pending.
- DD22-MSK-001 returned 8.50 g/t gold over 2.4 m, including 20.10 g/t over 0.60 m starting at 124.24 m downhole.
- A total of 3,690 metres of NQ diamond drilling was completed across four key target areas during the program, including the Flood Zone, the Axis Zone, the Gnu Zone and the Central-C Zone.
- Approximately 50% of the samples from the program are pending assay results.
- Previously reported results from the 2022 exploration program include (see news releases dated July 20 and August 17, 2022):
 - 15.00 g/t gold over 17.65 m, including a 6.00 m interval of 25.74 g/t gold from DD22-FLO-002. This represents the highest value (grams gold x width metres) of all intercepts drilled by the Company.
 - 6.52 g/t gold over 17.4 m, including 9.96 g/t over 6.3 m in DD22-FLO-001.

Grant Ewing, Blue Star's CEO stated: "Blue Star conducted another successful exploration campaign at its highly prospective Nunavut projects. The initial results of the program from DD22-FLO-002 returned the highest value (grams gold x width metres) of all intercepts drilled by Blue Star to date. Several other prospective target areas throughout the Company's landholdings were assessed during the program, with significant results also returned from the Gnu Zone area drilling. An important component of the program was the successful progression of many of the prospective target zones closer to drill ready status."

Exploration Program Progress Summary

The Company completed 3,690 metres of drilling during the program, 3,055-line km of airborne geophysics, and a regional till sampling program on the Roma Project. In addition, detailed review and prospecting/mapping of 58 of the targets within the >100 compiled pipeline showings were conducted.

See [full release](#) for more detail.

Nighthawk Gold Forms New Royalty Company to unlock Shareholder Value

On September 12, Nighthawk Gold Corp. (TSX: NHK; OTCQX: MIMZF) announced it has formed a new wholly-owned subsidiary ("RoyaltyCo"), which will focus on acquiring royalty interests, making strategic investments and exploring other accretive opportunities. To start this venture, the Company has granted RoyaltyCo a 2.0% net smelter return royalty (the "NSR Royalty") on the Colomac Project and the entire regional district-scale Indin Lake Gold Property. The NSR Royalty along with certain cash that Nighthawk plans to transfer to RoyaltyCo will be the initial assets for this new venture.

Nighthawk President and Chief Executive Officer, Keyvan Salehi, commented: "We created RoyaltyCo to potentially generate additional future value for our current shareholders in parallel with continuing to advance and explore the Colomac Project and our district-scale properties in the Northwest Territories. We have the team in place to seek accretive opportunities for RoyaltyCo, and if warranted, deploy capital that will help with the continued growth and value-creation of Nighthawk as a whole. We believe

the NSR Royalty has the potential to be a cornerstone asset in RoyaltyCo if we continue to expand the known mineral resources, demonstrate robust economics for the Colomac Project, and make new discoveries through regional exploration. In addition, the new wholly-owned subsidiary enables us to focus and prioritize other avenues for value-creation. If and when market conditions become more favourable, we will consider spinning out RoyaltyCo to create further value for shareholders.”

About Nighthawk

Nighthawk is a Canadian-based gold exploration company with 100% ownership of more than 930 km² of district-scale land position within the Indin Lake Greenstone Gold Belt, located approximately 200 km north of Yellowknife, Northwest Territories, Canada. The Company is advancing several highly prospective exploration targets. The Colomac Gold Project currently has a Mineral Resource Estimate of 58.2 million tonnes grading 1.44 g/t Au for 2.69 million ounces in the Indicated category and 19.7 million tonnes grading 2.10 g/t Au for 1.33 million ounces in the Inferred category.¹ Nighthawk’s experienced management team, with a track record of successfully advancing projects and operating mines, is working towards demonstrating the economic viability of its assets and rapidly advancing its projects towards a development decision.

Sixty North Gold proposes share consolidation and expands gold and IOCG find

On September 26, Sixty North Gold Mining Ltd. (CSE: SXTY) (FSE: 2F4) (OTC Pink: SXNTF) announced it proposes to consolidate its common shares on the basis of every ten (10) issued common shares for one (1) new common share, subject to the acceptance of the Canadian Securities Exchange. No fractional shares will be issued and any fractional shares of less than 0.5 will be rounded down to the nearest lower whole share and fractional shares of 0.5 or more will be rounded up to the nearest higher whole share. The share consolidation was approved by the Company’s directors in accordance with the Company’s Articles.

Upon completion of the consolidation, Sixty North Gold then proposes to complete a non-brokered private placement of up to 1,785,715 units (the "Units") at an offering price of \$0.28 per Unit, to raise gross proceeds of up to \$500,000 (the "Offering"). Each Unit will consist of one (1) common share of the Company and one (1) non-transferable share purchase warrant (the "Warrants"). Each Warrant will be exercisable to acquire one additional common share at an exercise price of \$0.35 per share for a period of two (2) years from the date of closing of the Offering. The terms of the Offering are subject to satisfactory notice to the Canadian Securities Exchange. The Company may pay finder’s fees in connection with this placement of 8.0% of the gross proceeds raised by an arm’s length finder.

The net proceeds from the Offering will be used for further exploration and development of the Mon Gold Property, NWT, and the Company’s general working capital requirements.

Crews are currently on the property mapping, sampling, and evaluating the recently announced IOCG nickel, cobalt, platinum palladium rare earth element target (see NR September 6, 2022). Samples collected in June had been delivered to the independent laboratory in early July, and results are expected shortly.

Sixty North Gold Expands the IOCG Target on the Mon Property, Finds Gold-Rich Areas

On October 3, Sixty North reported that initial mapping and sampling on the recently discovered IOCG target on its 100% owned Mon Property in the Yellowknife Gold Belt has identified three weakly gossanous areas within the albitite unit that defines the zone. Samples have been delivered to the laboratory with analyses expected in 6 to 8 weeks.

- The A-Zone Target is exposed immediately west of the Mon Gold Mine currently being developed for production. It is at least 600 m long and up to 80 m wide. Four grab samples of more intense gossan development on the eastern-side of this zone collected in June have yielded very anomalous values up to 8.03 gpt gold, 0.78 gpt silver, and 0.003 % cobalt associated with metre-wide quartz veins.
- The Discovery Target is exposed east of Discovery Lake and can be traced discontinuously for 1,800 m and up to 350 m wide. It encompasses the discovery outcrop (see grab samples reported on Table 1, as well as the historic V and S gold zones. Three grab samples had been collected over 330 m from the discovery outcrop to the north along the eastern-side of the gossan in June. These samples returned values up to 0.21% nickel, 0.1 gpt gold, 0.3 gpt silver, 0.01% cobalt, 0.76% P2O5. The two samples to the north had lower nickel and cobalt values but had silver values of 1.69 and 1.81 gpt. Two historic gold showings that had been trenched in the 1940's lie within the Discovery Target. The V-Zone had two trench samples resampled in 1989, separated by 5 m reported to grade 35.86 gpt gold over 0.9 m and 4.94 gpt gold over 0.9 m from composite chip samples. These are historical in nature and cannot currently be verified. They are presented for reference.
- The North Target is exposed over an area 300 m x 50 m north of Discovery Lake. No samples had been collected from the gossanous albitite unit in June, however seven samples have been collected in September and have been submitted for analytical work.

Dr. Webb reports, "We are pleased to be able to refine the extents of our IOCG target and to collect more samples this season. Iron oxide-copper-gold (IOCG) systems are among the world's richest and largest mineral deposits. In addition to potentially economic nickel, cobalt, gold, platinum, palladium (see Table 1, below), by-product strategic elements may include uranium, phosphorus, and rare earth elements (REE) which add to its attractiveness. We have now recognized the more prospected portions of the extensive albitite unit and are awaiting assays."

Webb further states, "The metals identified in our IOCG discovery include many of the battery or critical elements (BE, or CE) being sought territorially, and by federal governments around the world. This is important to the people and governments of the Northwest Territories and to Canada as we transition away from a carbon-based energy system."

Table 1. Selected analyses from all of the January 2022 grab samples from the discovery outcrop.

Sample	Ni %	Co %	Au gpt	Pt gpt	Pd gpt
NDM-WK-467	>1	0.183	0.430	Na	Na
3195829	0.33	0.025	0.158	0.089	0.017
3195830	0.34	0.015	0.116	0.023	0.01
3195832	0.24	0.019	0.055	0.012	0.005
3195833	0.34	0.028	0.167	0.029	0.007
3195834	0.24	0.014	0.068	0.005	0.004
Average	>0.41	0.047	0.166	0.032	0.009

About Sixty North Gold Company

The Company is developing mining operations for gold on the Mon Gold Property, 40 km north of Yellowknife, NWT. Past production extracted 15,000 tonnes of ore to depths of only 15 m below surface, recovering an estimated 15,000 ounces of gold.

The Mon Gold Property consists of 11 contiguous Mining Leases and 3 Mineral Claims, comprising an aggregate 1,537 acres, located in the South MacKenzie Mining District, NWT. Eight additional Mineral Claims and one other Mining Lease are controlled under option totaling 5,500 acres.

For more information, please refer to the Company's Prospectus dated January 19, 2018 available on SEDAR (www.sedar.com), under the Company's profile.

NorZinc Receives Final Prairie Creek Permits – road staging begins

On September 26, NorZinc Ltd. (TSX: NZC; OTCQB: NORZF) is thrilled to announce it has received the new Water License (“WL”) from the Minister of Environment and Natural Resources (“ENR”), Government of the Northwest Territories (“GNWT”) for mine operations associated with the mine expansion plan of 2,400 tonnes per day (“tpd”), for the Prairie Creek Project located in the NWT. Approval of the WL, combined with the receipt of the Land Use Permit (“LUP”) the Company announced on August 11, 2022, completes the permitting process for mining operations at Prairie Creek.

“The receipt of the Water License represents a substantial milestone for the Company with respect the advancement of the Prairie Creek Project and recognition from the GNWT of the significant impact the Project will bring to the region and all stakeholders,” said Rohan Hazelton, President & CEO, NorZinc. *“Based on the Preliminary Economic Assessment completed in October 2021 and the envisioned mining rate of 2,400tpd, the Project results in an NPV_{8%} of US\$299M NPV with average EBITDA per annum of US\$123M and will deliver over \$8 billion in economic activity to the region over its 20-year mine life.”*

The Company continues to work closely with the regulatory bodies, Parks Canada and the MVLWB, on the completion and final approval of the management plans (“MPs”) associated with construction of Phase 1 of the All-Season Road. The Company expects to receive all Phase 1 MP approvals from the respective regulators in October 2022.

NorZinc Announces Commencement of Access Road Staging Work at Prairie Creek

On September 19, NorZinc Ltd. announced that preparation work has commenced for the construction of the Pioneer Winter Road (“PWR”) at its Prairie Creek Project located in the Dehcho Region of the Northwest Territories (“NWT”), Canada. The PWR constitutes Phase 1 of the 170km All-Season Road (“ASR”) that will act as the main point of access, connecting Prairie Creek to the Liard Highway 7.

Subject to financing, NorZinc plans to commence construction on the PWR mid-October 2022, which will signify the start of the overall ASR construction. Initial construction activities will focus on two headings:

- 1) from the Prairie Creek Mine through the mountains to Cat Camp at kilometer 40, and
- 2) from the northside of the Liard River, whereby the crews will construct a Wildlife Clearing trail whose aim is to safely pre-clear wildlife from the area.

Both headings are planned to be complete by the end of the year. Ice bridge construction is expected to commence at the beginning of December 2022, with the main construction crews having access over the bridge to complete the connection to Cat Camp in Q1 2023. This first phase of construction will also re-open and cut new trails, where designated, along the access road corridor. This work will allow for acquisition of critical geotechnical data for subsequent road-building campaigns, permitting and to walk in key pieces of heavy equipment required for on-site early construction projects in the following summer season.

To complete the Wildlife Clearing trail, an excavator and skid-steer were successfully barged over to the north side of the Liard River in early September 2022. It is anticipated that NorZinc will commence wildlife clearing late October dependent on weather conditions.

The construction of the PWR from the proposed mine site to Cat Camp at kilometer 40, will be spearheaded with a new CAT 315 excavator and skid-steer, of which both were successfully flown into site via a heavy lift helicopter during September 16-17, 2022. They will be augmented by the bulldozer and rock trucks already onsite as the Company aims to complete the mountainous sections of the PWR by the end of the year.



The equipment to be augmented at site

To assist in PWR construction activities, additional rip-rap will be developed from the onsite quarry. NorZinc has received all necessary permits to store explosives onsite including the federal registration for the magazines and the permit from Workers' Safety and Compensation Commission to use and store explosives. This is in addition to the Quarry Permit required in the NWT. The Company anticipates commencement of blasting to develop the rip-rap stockpile in early October 2022.



Fly in of equipment to the Prairie Creek site

“The start of the winter road work at Prairie Creek is a significant turning point for the Company as it signifies the start the overall construction of the Project and the beginning of the transition into the development phase. Following the recent permitting milestone of the receipt of the Land Use Permit for mining at the Project, the Company is confident that the work we have been doing with the regulatory bodies will be reflected accordingly with respect to timing of the final permits for construction of the PWR,” said Rohan Hazelton, President & CEO, NorZinc.

“Preparation work of the PWR is key to remaining on track with our targeted road construction schedule and production expected in late 2025. This initial work keeps the project progressing while we await the final management plan approvals for full construction of the PWR.”



The barge crossing of the excavator across the Liard River

NorZinc Enters into Arrangement Agreement with Proposed Acquisition by RCF

On September 30, NorZinc announced that, based on the unanimous recommendation of an independent special committee (the “Special Committee”) of its board of directors (the “Board”) as well as unanimous approval by the Board, it has entered into an arrangement agreement (the “Arrangement

Agreement”) with RCF VI CAD LLC (“RCF”), in respect of a transaction whereby RCF will acquire all of the issued and outstanding common shares of the Company that RCF and its affiliates do not currently own pursuant to a court-approved plan of arrangement for \$0.0325 in cash per NorZinc share, which represents a 3.5% premium to the 45-day VWAP of \$0.0314 per share, (the “Transaction”). RCF and its affiliates currently hold approximately 48.31% of the outstanding common shares of the Company.

Concurrently with signing of the Arrangement Agreement, NorZinc and RCF have amended and restated the credit facility dated May 19, 2022, to provide for an increase in the commitment thereunder by US\$11 million (the “Amended and Restated Credit Agreement”).

Rohan Hazelton, President & CEO, NorZinc stated, “The Company has been working to address challenges with respect to its debt situation and capital funding needs given the current market conditions. Considering the interests of all stakeholders in the Company and its Prairie Creek Project, and in order to maintain the current development work at and accessing the site, The Board has explored all viable strategic alternatives. Ultimately, it has concluded that the unsolicited all-cash offer to the minority shareholders contained within the Arrangement Agreement is in the best interests of the Company and its stakeholders. While we believe this asset has an exciting future, given the current capital markets, debt and equity position of the Company, we believe this is the best alternative for the Company and its shareholders at the present time. We are proud of the recent milestones achieved in permitting and indigenous community agreements that have advanced Prairie Creek development and remain bullish on the long-term viability of the Project and the positive impact it will have on the local region.”

Highlights of the Transaction

The Special Committee and the Board considered the Transaction with reference to the best interests of the Company, its stakeholders, ongoing project development, as well as its prospects, strategic alternatives and competitive position, including the risks involved in achieving those prospects and pursuing those alternatives in light of current market conditions and the Company's financial position.

The full background to the transaction and reasons for the recommendations of the Special Committee and Board will be set out in the information circular in connection with the meeting to consider the Transaction. The Special Committee and Board strongly recommend that securityholders read and consider the full text of the circular when it is provided to them.

Read the detailed release [here](#).

New copper system confirmed at the Storm Project, Canada

On September 28, American West Metals Limited (and partner Aston Bay Holdings) have reported that initial assay results from drill hole ST22-10 have confirmed a significant discovery at the Storm Copper Project (Storm or the Project) on Somerset Island, Nunavut, Canada.

- Initial results from drill hole ST22-10 have confirmed sediment hosted copper and zinc sulphide mineralisation below the near-surface high-grade deposits at Storm
- The discovery drill hole is associated with a series of untested large and coincident geophysical anomalies identified across a zone that extends for more than 5km, indicating the potential for a large-scale sedimentary copper system at depth
- These results validate our geological model that interprets the extensive near-surface high-grade copper mineralisation at Storm to be associated with a much larger sedimentary copper deposit at depth

- Early observations suggest the deeper copper system at Storm is analogous to Central African copper deposit styles

Dave O’Neill, Managing Director of American West Metals commented:

“I am very pleased to be able to report that initial assays from drill hole ST22-10 confirm the presence of sediment hosted type copper and zinc sulphide mineralisation, with huge implications for the potential metal endowment of the project.

“These results demonstrate that – in addition to the near-surface high-grade copper deposits – we have a second type of copper deposit at Storm. This sedimentary copper mineralisation style is typically associated with very large deposits, such as the large-scale copper deposits in the Congo and the Kupferschiefer deposits in Central Europe.

“The discovery drill hole at Storm is associated with a series of large IP, EM and gravity anomalies that sit below or adjacent to the known high-grade copper prospects and major faults. These features occur across a zone more than 5,000m long, supporting the potential for a very large sedimentary copper system.

“This is a tremendous exploration opportunity and we are already planning follow-up exploration and drilling.

“Further assays from the Storm drill program are due soon and we look forward to reporting on these as they come in.”

New Style of Copper and Zinc Sulphides Confirmed

Drill hole ST22-10 intersected a thick sequence of sulphide mineralisation hosted within carbonate sediments. The drill hole was targeting a large EM anomaly to the west, and deeper than the near



Chalcopyrite (copper sulfide) within ST22-10 drill core from 313m downhole.

surface high-grade 4100N Zone.

Approximately 68.8m of chalcopyrite, pyrite and sphalerite mineralisation was intersected from 277m downhole in drill hole ST22-10 (approx. 230m vertical depth). The mineralisation is interpreted to be stratabound and is hosted within a vuggy, bituminous and fossiliferous carbonate unit.

Visual observations of chalcopyrite and sphalerite in the drill core have now been confirmed by assays within the sampled intervals from ST22-10.

Of the sulphide mineralised zones, only portions containing clear and abundant chalcopyrite and sphalerite were sampled with the aim of confirming sediment hosted copper and zinc. Most of the pyrite-dominant zones were excluded from samples submitted for assay - see Table 1 for assay results and Figure 3 for a geological cross section of the drill hole. The results received confirm the presence of sediment hosted copper and zinc sulphide mineralisation, and have verified the discovery of this new style of mineralisation at Storm.

Geophysical properties logging of sections of the core as well as further sampling will be conducted on ST22-10 to refine the targeting model for follow-up drilling.

ST22-10 is the deepest drill hole completed at the Storm Project this season and highlights the outstanding exploration potential of the project area. Compilation of historical induced polarization (IP), gravity and electromagnetic (EM) data reveals a series of large anomalies that sit under, and adjacent to the known high-grade copper mineralisation and graben fault system.

The metal associations, zonation and geophysics suggest that the drill hole is potentially on the edge of a stronger mineral system.

Read the full American West release [here](#) and Aston Bay Holdings release [here](#).

Click [here](#) for the complete, detailed release.

Gold Terra Announces Initial Mineral Resource Estimate

109,000 Gold Ounces Indicated and 432,000 Gold Ounces Inferred on the Con Mine Option Property,



Location map of major northern Canada and USA mining projects.

NWT

On September 7, Gold Terra Resource Corp. (TSX-V: YGT; Frankfurt: TX0; OTC QX: YGTF) announced the initial Mineral Resource Estimate (“MRE”) on the Con Mine property, which is under option from subsidiaries of Newmont Corporation and acquirable by the Company upon fulfillment of certain

conditions set out in the option agreement (the “Con Mine Option Property”), and located adjacent to the Company’s 100% owned Yellowknife City Gold project (the YCG Project”) in the Northwest Territories.

The Company’s initial MRE on the Con Mine option Property is comprised of an underground mineral resource of **109,000** gold ounces in the Indicated category and 432,000 ounces of gold in the Inferred category (see Table below). In addition, the Company has 1.2 Moz inferred resources (see March 31, 2021 Technical Report) on their adjacent 100% owned YCG property. This extensive land package is close to the City of Yellowknife with all its extensive existing infrastructure.

Mineral Resource Estimate Highlights

Con Mine Option Property initial MRE:

- Underground Indicated Mineral Resource of 0.45million tonnes averaging 7.55 g/t for 109,000 ounces of contained gold
- Underground Inferred Mineral Resource of 2.0 million tonnes averaging 6.74 g/t for 432,000 ounces of contained gold

Chairman and CEO, Gerald Panneton, commented, “This initial mineral resource estimate (MRE) on the Con Mine Option Property represents a measuring stick of our progress toward satisfying one of the requirements of the option agreement with Newmont, namely delineating a potential of a minimum of 1.5 million ounces of gold in all categories. This initial MRE confirms the significant high-grade potential of this project as it remains open for further expansion in all directions, and along its 6-kilometre-long structure. The Con Mine produced more than 5 million ounces of high-grade gold (16 g/t Au) from the Campbell Shear structure on 2 kilometres of strike length alone. We strongly believe that additional drilling along strike and at depth will continue to expand the current MRE, as all the surface drilling so far has been very successful. The Company has spent approximately \$6.2 million for an approximate cost of \$12 per ounce of gold to date.”

Mr. Panneton further commented, “We look forward to continuing our drilling program on the Campbell Shear with the goal of advancing the project towards an economic study and bringing further value to our shareholders by discovering more multi-million ounces deposits on our projects.”

Mineral Resource Estimate

This initial Con Mine Option Property MRE incorporates a total of 41 diamond drill holes totaling 21,019 metres, completed by Gold Terra from September 2020 to June 2022 and all existing historic holes drilled before 2003, as interpreted by Gold Terra. The Yellorex Indicated resource was drilled on 25 to 50-metre spacing, between surface and 300 metres, and remains open at depth.

This MRE on the Con Mine Option Property demonstrates the success and progress of Gold Terra’s recent drilling programs toward satisfying the minimum 1.5 million ounces of gold requirement in all resource categories, under the option agreement with subsidiaries of Newmont Corporation (see details below under Option to Acquire the Con Mine Property).

The table below shows the MRE for the Con Mine Option Property and the Company’s adjacent YCG Project, which was reported in the March 16, 2021 news release and subsequent Technical Report dated March 31, 2021. The Company has not updated the YCG MRE with the positive results from the 2022 winter drilling program of 6,011 metres in the Mispickel area, part of the Northbelt block. More drilling is required on these multiple high-grade mineralized structures located only 20 kilometres north of the City of Yellowknife.

See full release [here](#) for table and more detail.

ValOre Drilling Intersects Multiple Radioactive Zones at Angilak Property, NU

On September 13, ValOre Metals Corp. (“ValOre”; TSX-V: VO; OTC: KVLQF; Frankfurt: KEQO, provided an update on the 2022 core drilling program at ValOre’s 100% owned 59,483-hectare Angilak Property Uranium Project (“Angilak”), located in Nunavut Territory, Canada.

“The 2022 summer core drilling program at the Dipole and J4 West target areas was very successful, with radioactivity intercepted in 23 of 26 holes drilled,” stated ValOre’s VP of Exploration, Colin Smith. *“The results from Dipole are particularly impressive, with scintillometer readings of up to 60,000 counts-per-second in hole 22-DP-010 and five separate holes at Dipole each intersecting 10 or more distinct zones of radioactivity. We look forward to receiving the uranium assay results from these 23 core holes, in addition to the assays from 24 reverse circulation holes drilled earlier this season.”*

The Dipole and J4 West target areas warranted follow-up drilling due to strong radioactive intercepts in 22 of 27 holes in the spring 2022 RC drill program.

Highlights from the Summer 2022 Core Drill Program:

- Radioactivity intercepted in 23 of 26 holes, **with 3 holes lost shortly after casing;**
- **3,590 metres (“m”) drilled in 26 holes;**
- **Dipole Zone – 2,664 m drilled in 16 holes with highlight counts-per-second (“CPS”) intersections of:**
 - **60,000 CPS recorded in 1 of 5 radioactive zones** intersected in 22-DP-010
 - **6,978 CPS recorded in 1 of 17 radioactive zones** intersected in 22-DP-009
 - **12,000 CPS recorded in 1 of 6 radioactive zones** intersected in 22-DP-002
 - **11,380 CPS recorded in 1 of 10 radioactive zones** intersected in 22-DP-012;
- J4 West – 926 m drilled in 10 holes:
 - 15,821 CPS recorded in radioactive zone intersected in 22-J4W-003.

2022 Core Drill Program Summary

Of the 3,590 total metres drilled in 26 holes, 2,664 m (16 holes from 8 pads) were drilled at the Dipole target and 926 m (10 holes from 6 pads) were drilled at J4 West. Five holes were abandoned prior to target depth. Drill pad spacings of 50-metres along strike and 100-metre step-outs down-dip were maintained to facilitate potential future inferred resource re-estimations. All drilling and core logging is now complete with samples to be shipped to the assay laboratory this week. Uranium assay results will be reported when received.

2022 Dipole Core Program Summary

2022 core drilling at Dipole tested the down-dip extension and along-strike continuity of high-grade U3O8 intercepts resulting from the ValOre 2015 core drill program ([CLICK HERE](#) for news release dated October 19, 2015), and radioactive scintillometer intercepts from the 2022 RC drill program ([CLICK HERE](#) for news release dated May 9, 2022, and [CLICK HERE](#) for news release dated June 2, 2022).

A 25- to 55-m-wide structural zone of multiple, steeply dipping radioactive intervals hosted in a sequence of foliated basalt was intercepted in all 2022 core holes (Table 1). This zone correlates well with intercepts drilled in the 2022 RC and 2015 core drill programs. The strongly radioactive intervals (up to 60,000 CPS at 140 m vertical depth in drill hole 22-DP-010) are characterized by intensely hematized and brecciated graphitic tuffs.

Intercepts from the 2022 core program demonstrate that surface uranium mineralization extends to a minimum vertical depth of 275 m. Three down-dip holes (22-DP-009, 22-DP-011A, and 22-DP-012) were completed to planned lengths, with all three hitting the structural zone and radioactive hematized

brecciated tuffs, returning hand-held scintillometer readings of up to 10,000 CPS (drill hole 22-DP-012 at 260 m vertical).

2022 core drill holes 22-DP-008 (-45° dip) and 22-DP-010 (-75° dip) were drilled from the same pad, 250 m northwest of the main zone defined in the 2015 core program and served to follow-up shallow radioactive intercepts from the 2022 RC program. Both holes drilled a near-surface radioactive zone at approximately 50 m and 70 m vertical depth, respectively; however, a second and unexpected zone of intense radioactivity (60,000 CPS) was intercepted in the steeper hole (22-DP-010) at 145 m vertical depth. This discovery suggests an additional mineralized structure remained untested by the up-dip 22-DP-008. Consequently, a decision was made to re-enter and extend hole 22-DP-008 to test for the presence of this new zone, and two additional intercepts were encountered at 75 m (3,500 CPS) and 100 m (10,000 CPS) vertical depths. To further corroborate this finding, a single up-dip hole was drilled 75 m to the southeast, and the zone was again intersected between 15 and 27 m vertical depths with CPS readings up to 2,000.

The Dipole target remains open at depth, and along strike in both directions.

2022 J4 West Core Drill Program Summary

2022 core drilling at the J4 West target area tested the along-strike continuity of radioactive intercepts drilled in the 2022 RC program ([CLICK HERE](#) for news release dated June 15, 2022), and high-grade U3O8 intercepts returned from three 2013 core holes, which returned uranium assay highlights of 1.06% U3O8 over 0.3 m in 13-J1-002, and 0.56% U3O8, 0.28% Mo, 15.5 g/t Ag over 0.6 m in 13-J1-003.

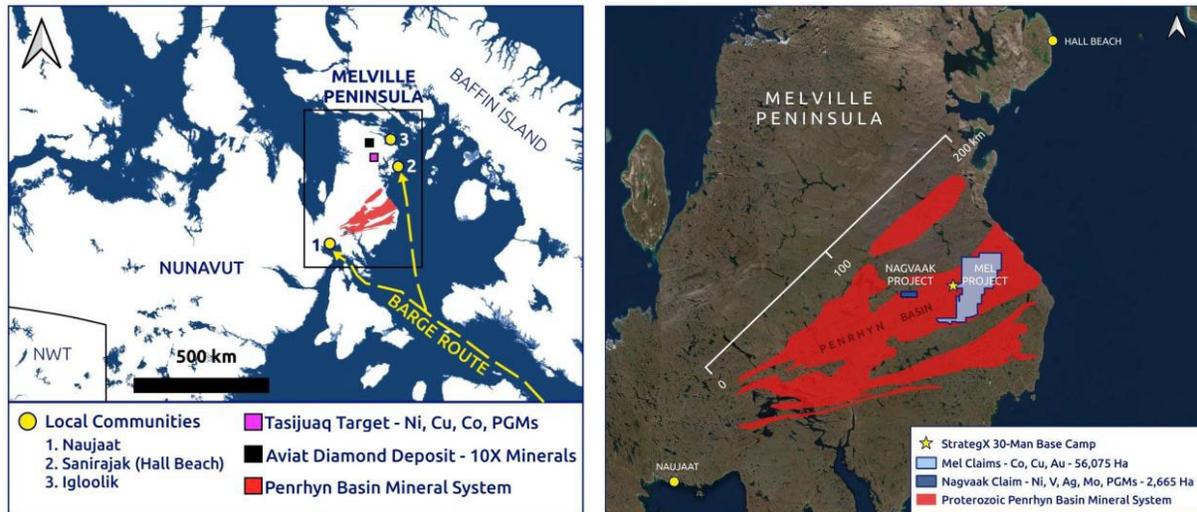
All 2022 core drill holes intercepted anomalous radioactivity (>350 CPS) and defined a radioactive structural corridor of 350 m which remains open at depth and along strike to the west. Radioactive zones are characterized by a hematite-altered, graphitic/sulfidic tuff layer hosted within a broader package of foliated basalt. A highlight of 15,821 CPS was returned at 149 m vertical depth in drill hole 22-J4W-003 (Table 1).

See [release](#) for details.

StrategX Elements Corp. Mobilizes Drill Rig on the Melville Peninsula

On September 22, StrategX Elements Corp. (CSE: STGX) announced it has engaged Vital Drilling Services to provide diamond drilling services for several projects located on the Melville Peninsula, Nunavut and is pleased to announce the arrival of a drill rig to commence the first phase 2,000 metre diamond drill program on Project Nagvaak.

The team has been very active with various exploration activities including defining drill targets, reviewing historical data from companies such as Aquitaine Minerals, Rio Tinto and BHP and integrating them with newly acquired field data (refer to the latest news release on Project Nagvaak Drill Targets here). The Company established a 25-man field camp located approximately 20km east of Project



Nagvaak. The camp will serve as a strategic base of operations for advancing its three stand-alone projects on the Melville Peninsula.

The Company is excited to partner with Vital Drilling Services ("Vital") based out of Val Caron, Ontario, Canada and selected the drilling services company based on its expertise in the region and its shared values and vision of making responsible mineral discoveries for energy transition metals on the Melville Peninsula. More information on Vital Drilling can be found at vitaldrilling.ca. Below are some company highlights:

- **Experience & Expertise** - Vital has over 30 years of Arctic experience including 4 years on the Melville; its Founder and President, George Demers, has over 30 years of drilling experience and has served two terms as President of the Canadian Diamond Drill Association (CDDA) and Chair of CDDA Northern Safety Group. A large portion of their employees are second and third-generation drillers who understand the industry.
- **Environment, Sustainability, Governance, & Indigenous Inclusivity (ESGI)** – Both companies are dedicated to promoting economic sustainability by hiring local people, using local services and implementing training opportunities for local talent in the communities in which they operate in. One-third of the current project personnel have First Nation and/or Inuit status.
- **Community Engagement & Partnerships** – Vital knows and believes in the importance of establishing relationships at the beginning with First Nations and Inuit communities. Vital has MOUs with the Missinabie Cree and the "Ungava 6" communities on the shores of Ungava Bay.



Attached are some pictures of the drill rig being transported and mobilized at Project Nagvaak.

- **Safety & Professionalism** - the company has an impeccable safety record in the industry and is committed to providing professional and quality service to its customers at competitive rates using the best tools and guarantees a safe environment for its employees.

The Company plans to provide a steady flow of news throughout the remainder of the year on the back of drill results.

StrategX's projects on the Melville Peninsula have the advantage of being located close to coastal communities and have access to several barge routes. This allows the Company to be more cost-effective and efficient by transporting supplies and drill equipment via ship versus airplane or helicopter.

About StrategX

StrategX is a new Canadian-based exploration company on a mission to be a significant contributor to the natural resources sector and sustainable energy economy. The Company is currently focused on the discovery of cobalt and associated energy transition metals in northern Canada. The Company's property portfolio of 5 stand-alone projects is situated on the East Arm of the Great Slave Lake, Northwest Territories and on the Melville Peninsula, Nunavut. The Company's first-mover land position in underexplored regions provides a unique opportunity for investors to be part of multiple discoveries and the creation of new districts hosting metals required in the transition towards green energy. **Click here to check out our: 30-second video clip on StrategX.**

Rover Receives Exchange Approval for IML Critical Minerals Acquisition, NT

On September 28, Rover Metals Corp. (TSXV: ROVR) (OTCQB: ROVMF) (FSE:4XO) announced that further to its releases of August 16, 2022, September 14, 2022, and September 22, 2022, the Company has now received approval from the Toronto Venture Exchange for the Indian Mountain Lake ("IML") option purchase agreement, and the milestone payments contained therein.

IML VMS Project

The IML VMS Project has had exploration dating back to the 1940s and has a historical resource spread across four zones on the project. The BB Zone and Kennedy Lake Zone have a combined historic resource of 1,400,000 tons grading 10% combined zinc and lead with 3.5 OPT (ounces per ton) of silver*. Approximately 900 metres west of the BB Zone, the Kennedy Lake West Zone has a historic resource of 610,000 tons grading 1.15% copper*. About 8 km southeast of the BB Zone, the Susu Lake Zone, has a historical resource consisting of 142,500 tons grading 0.95% copper*.

The property is located approximately 195 km east-northeast of Yellowknife, NT, off the eastern arm of Great Slave Lake. Seasonal access relies upon fixed or rotor wing support. A right of way was cleared to the Project from Thompson Landing in the 1970s. If this right of way were to be brushed out, it would provide barge access at Thompson Landing, from Yellowknife, with ground transportation, considerably lowering any logistical costs. Future Government of Canada federally funded hydro-energy infrastructure could come close to the Project if the Taltson Hydro Dam expansion proceeds through the eastern arm of Great Slave Lake into Yellowknife. At the southwest-end of Great Slave Lake, Osisko Metals is gearing up to reopen the Pine Point Zinc-Lead Mine. At nearby Hay River, NT, there is a rail line to the Teck Resources Zinc Refinery in Trail, BC.

*These resources are historic in nature. Further drilling is needed to bring them up to CIM Definition Standards. The historic data has not been verified by Rover. The historic information is provided in the 2103 Assessment Report for Indian Mountain Lake which is in public record with the Government of the Northwest Territories.

Technical information has been approved by Gary Vivian, M.Sc., P.Geo., QP for the purposes of NI 43-101.

New Website

An updated Corporate Fact Sheet, reflecting the addition of Nevada Lithium, is now available on our new website and a new corporate presentation will be available shortly.

Judson Culter, CEO at Rover Metals, states “Zinc and Copper, along with Lithium are the future, and fundamental to the growth of our company. However, we’re not abandoning our precious metals roots. Greenstone belts in northern Canada are well known for their abundance of gold and silver. The IML greenstone belt is comprised of 31,000 acres, and the historic base metal resource is coming from just three percent of the land package. The historic BB Zone and historic Kennedy Lake Zone include a historic resource of 4,900,000 ounces of high-grade silver. We believe the existing silver endowment is indicative of the potential for the remainder of the 30,000 acres of greenstone belt.”

About Rover Metals

Rover is a publicly traded junior mining company that trades on the TSXV under symbol ROVR, on the OTCQB under symbol ROVMF, and on the FSE under symbol 4XO. The Company is now developing a diverse portfolio of mineral resource projects: (1) Nevada Claystone Lithium; (2) Zinc-Copper-Lead-Silver in NT, Canada; as well as (3) Gold in NT, Canada. The Company is exclusive to the mining jurisdictions of Canada and the U.S.

Fortune Extends Option to Acquire Alberta Refinery Site for NICO CM Project

Company is working with Haywood Securities to secure funding to advance the NICO Project

On October 3, Fortune Minerals Limited (TSX: FT) (OTCQB: FTMDF) announced that, due to the current economic and capital market volatility, it has secured an additional extension to the option to purchase the JFSL Field Services ULC (“JFSL”) brownfield site in Lamont County, Alberta (see news releases, dated January 24, 2022 and July 14, 2022). Fortune plans to construct a hydrometallurgical refinery at this site for its vertically integrated NICO cobalt-gold-bismuth-copper critical minerals project (“NICO Project”). The JFSL facility is a former steel fabrication plant located on 76.78 acres of lands in Alberta’s Industrial Heartland northeast of Edmonton and has 42,000 square feet of serviced shops and buildings adjacent to the Canadian National Railway. The JFSL site is also close to services, sources of reagents, and a commutable pool of engineers and skilled chemical plant workers to materially reduce capital and operating costs for the planned NICO Project development.

Pursuant to the option agreement, Fortune can acquire the JFSL site and facilities for C\$5.5 million. The term of the option has now been extended in monthly increments by Fortune paying JFSL C\$15,000 per month up to December 31, 2022. During the extension period, JFSL can solicit competing offers for the facility, subject to Fortune’s right to complete its purchase on the agreed terms by the end of the month for any extension period and/or Fortune’s right of first refusal to match a competing offer.

The NICO refinery would process metal concentrates from the planned NICO cobalt-gold-bismuth-copper mine and concentrator in the Northwest Territories (“NWT”) enabling Fortune to become a vertically integrated producer of cobalt sulphate needed to make the cathodes of lithium-ion batteries used in electric vehicles, portable electronics and stationary storage cells. The refinery would also produce bismuth ingots and oxide, an ‘Eco-metal’ used in the automotive and pharmaceutical industries and with growing demand as an environmentally safe and non-toxic replacement for lead in free-machining steels and aluminum, brasses and solders used in potable drinking water sources and electronics, ceramic glazes, radiation shielding, glass, ammunition, and fishing weights, and

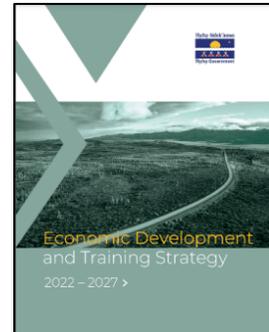
environmentally safe plugs to decommission oil and gas wells. The Mineral Reserves for the NICO deposit also contain more than one million ounces of gold, and copper as a minor by-product. The vertically integrated NICO Project is an advanced development stage critical minerals development asset that has already received environmental assessment approval and the major mine permits for the facilities in the NWT. The project has also been assessed in positive Feasibility and Front-End Engineering and Design (“FEED”) studies that will be updated to reflect the new refinery site and recent project optimizations.

Tlicho Government releases Economic Development and Training Strategy

The Tlicho Government has released its Economic Development and Training Strategy for the next 5 years. There is a mention of mining maturing and the concerns over losses on page 11. There are good mentions of future NICO opportunities, Nighthawk and other exploration opportunities, as well as mine remediation opportunities.

Mining is important to their region, which hosts the Slave and Bear Geological provinces, both very rich terranes, with diamonds, gold, and critical minerals.

Download the document [here](#).



Social Impact of Mineral Development Projects in Indigenous Communities

The Prospectors & Developers Association of Canada (PDAC) engaged the services of SOOP Strategies (SOOP) to identify social impacts and subsequent demands on social infrastructure within Indigenous host communities to mineral resource development projects in Canada. By applying an intersectional lens to this research we sought to understand how such impacts can affect women and girls, in particular, and the power dynamics between men and women in Indigenous communities.

This project was inspired by recommendations made to the extractive sector in the final report of the National Inquiry into Missing Murdered Indigenous Women and Girls (MMIWG), which calls upon government and industry to recognize that “social infrastructure must be expanded and service capacity built to meet the anticipated needs of the host communities in advance of the start of projects.”¹ This research project aims to help fulfill this call and proactively mitigate negative social and cultural outcomes that an influx of transient workers can have on Indigenous communities resulting from extractive projects.

The goals of this research are two-fold:

- 1) Determine specific changes to social infrastructure that can mitigate negative impacts as identified through this study. We will propose specific recommendations that a company can action to prepare for the inevitable social changes that often accompany the development of a mine.
- 2) Create a web-based resource hosted on the PDAC website to provide guidance to companies on social impact mitigation strategies throughout the stages of mineral resource development.

Download the study [here](#).



Welcome our latest Members!

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

- **Acasta Heliflight Inc.** takes its name from the Acasta Gneiss, a rocky outcrop in the Slave geological province roughly 300 km north of Yellowknife, dated as the oldest known intact piece of the Earth's crust. Acasta Heliflight represents a partnership which combines the technical expertise, financial strength and economies of scale of Canadian Helicopters with the Northern know-how of a proven innovator like Adam Bembridge, who is a recognized pioneer in the area of creating mutually beneficial strategic alliances with Northern Aboriginal groups. Contact Adam Bembridge, President at abembridge@acastaheliflight.com, website: www.acastaheliflight.com.
- **ESS Support Service Worldwide** is a division of Compass Group Canada, the country's leading foodservice and support services provider with over 25,000 associates working in more than 2,200 locations throughout the country. The company specializes in providing foodservices and support services across the core sectors including leading sports and leisure venues, executive dining rooms and cafes, schools, universities, seniors' residences and hospitals as well as remote camps and off shore oil rigs. Contact Doug Young, Director of Business Development at doug.young@compass-canada.com, website www.compass-canada.com.

A full Chamber membership list and directory can be found [here](#).

Mines and promising Northwest Territories projects

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

Project Name	Owner(s)	Commodity	Description	Status
Ekati Mine	Arctic Canadian Diamond Company Ltd. , 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. With approval of Point Lake mining, mine life is now 2029. Current development of underwater remote mining technology could add more life.	23 September 2022, Arctic Canadian Diamond Company Recovers Canada's Largest Fancy Vivid Yellow Diamond 15 September 2022, URM development goes into next phase: Arctic Canadian Diamond Company awards IHC Mining with contract for underwater mining crawler Media release 3 February 2021 Dominion Diamond Mines sells Ekati mine to Arctic Canadian Diamond Company
Diavik Mine	Rio Tinto (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, 16 December 2021, First female president appointed for Diavik Diamond Mine Media release 18 November 2021, Rio Tinto becomes sole owner of Diavik Diamond Mine Media release 9 July 2020 Rio Tinto supports COVID-19 isolation shelter in Yellowknife
Gahcho Kué Mine	De Beers Canada Inc (51% and operator) and Mountain Province Diamonds Inc. (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.	2 September 2022, Fatality at the Gahcho Kué Mine 31 August 2022, Mountain Province Diamond's Upcoming September Sale to Showcase 151 Carat Exceptional Coloured Gem Diamond Recovered from the Gahcho Kué Mine in Canada's Northwest Territories 27 July 2022, De Beers Group rough diamond sales for cycle 6, 2022 25 July 2022, Mountain Province Diamonds Announces Successful Analyst Site Tour, Repurchases of Senior Secured Second Lien Notes, and Details of Second Quarter 2022 Earnings Release and Conference Call
Nechalacho	Vital Metals (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 101,000 tonnes at 9.01% LREO (2.2% NdPr), making it one of the highest grade rare earths deposits in the world.	30 September 2022, Vital Metals Annual Report 22 September 2022, Vital Metals Appoints Damon Colbert as CFO 20 September 2022, Vital Metals Unveils Rare Earth Processing Plant in Saskatoon 9 September 2022, Vital Metals provides Market Update 31 August 2022, Vital announces Board and Management Changes 10 August 2022, Vital strengthens Board with appointment of two Directors

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			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.	<p>1 August 2022, Vital Raises \$45M to Complete Transition to REO Operations</p> <p>28 July 2022, Vital Metals' June 2022 Quarterly Report</p>
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.	<p>26 September 2022, Sixty North Gold Proposes Share Consolidation and Announces a Unit Offering</p> <p>6 September 2022, Sixty North Gold Defines a Large IOCG Target on the Mon Property</p> <p>11 July 2022, Sixty North Gold Provides Nickel - Cobalt Exploration Update</p> <p>24 June 2022, Sixty North Gold Announces Extension of Warrants</p> <p>5 May 2022, Sixty North Gold Appoints Dr. Dave Webb to Its Board of Directors</p> <p>11 April 2022, Sixty North Gold Resupply of the Mon Gold Property, NWT</p>
Prairie Creek	NorZinc Ltd.	Zinc-lead-silver	<p>Proposed underground mine 120 km west of Fort Simpson. Estimated mine jobs: 220</p> <p>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.</p>	<p>30 September 2022, NorZinc Enters into Arrangement Agreement in Connection with Proposed Acquisition by RCF</p> <p>26 September 2022, NorZinc Receives Final Mine Permits for Prairie Creek</p> <p>19 September 2022, NorZinc Announces Commencement of Access Road Staging Work at Prairie Creek</p> <p>14 September 2022, NorZinc Launches Metallurgical Test Program for Prairie Creek</p> <p>17 August 2022, NorZinc and Acho Dene Koe First Nation Sign Key Transportation Corridor Benefits Agreement</p> <p>11 August 2022, NorZinc Announces Permitting Milestone for Mine Expansion Operating Permits</p> <p>10 August 2022, NorZinc Signs Environmental Agreement with Key First Nation Partners in Yellowknife</p>
NICO	Fortune Minerals Limited.	Cobalt-gold-bismuth-copper	<p>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 Tlicho 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 Tlicho Government received this conditional approval on March 29, 2018, enabling construction of the 97-kilometre</p>	<p>3 October 2022, Fortune Minerals Extends Option to Acquire the Alberta Refinery Site for the NICO Critical Minerals Project</p> <p>18 August 2022, Fortune Minerals Announces Completion of 2015 Debentures Extension</p> <p>16 August 2022, Fortune Minerals Negotiates Agreement in Principle to Extend the Term of Its 2015 Debentures</p> <p>14 July 2022, Fortune Minerals Extends Purchase Option for NICO Refinery Site in Alberta Until the End of September</p> <p>29 June 2022, Fortune Minerals Announces Results of Annual General Meeting of Shareholders</p>

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			Tlicho Road to connect the community of Whati to the territorial highway system.	19 May 2022, Fortune Minerals Provides Summary of Key Highlights of the Recent Cobalt Institute Cobalt Market Report 2021
Kennady North	Mountain Province Diamonds Inc.	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.	<p>Media release: 23 November 2021, Mountain Province Diamonds Adds Strategic Claims to the Kennady North Project</p> <p>Media release, 13 September 2021: Mountain Province Diamonds Provides Kennady North Project Update</p> <p>Media release 13 July 2020 Mountain Province Diamonds obtains waiver under revolving credit facility</p>
Indin Lake	Nighthawk Gold Corp	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). The Company has a Mineral Resource Estimate of 38.7 million tonnes grading 1.81 grams per tonne for 2.25 million ounces of gold in the Indicated category and 11.5 million tonnes grading 2.13 grams per tonne for 0.79 million ounces of gold in the Inferred category	<p>12 September 2022, Nighthawk Gold Announces Formation of New Wholly-Owned Royalty Company to Potentially Unlock Value for Shareholders</p> <p>1 September 2022, Nighthawk Gold Reports 2.91 g/t Au over 54.35 metres at the 24/27 Deposit and 3.02 g/t Au over 20.25 metres at the Grizzly Bear Deposit within the Colomac Centre Area</p> <p>25 August 2022, Nighthawk Gold Completes 2022 Exploration Program Drilling Ahead of Schedule</p> <p>28 July 2022, Nighthawk Gold Reports 6.75 g/t Au over 12.75 m at its 24/27 Deposit within the Colomac Centre Area</p> <p>19 July 2022, Nighthawk Gold Reports 1.91 g/t Au over 60.95 metres from the 2022 Exploration Program Initial Drill Assay Results</p>
Pine Point	Osisko Metals Incorporated	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. 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).	<p>29 August 2022, Osisko Metals Files Positive Pine Point PEA</p> <p>13 July 2022, Osisko Metals Releases Positive Update for Pine Point PEA</p> <p>12 April 2022, Osisko Metals Announces ... Drilling at Gaspé Copper [and Pine Point update]</p> <p>Media release, 21 March 2022, Osisko Metals Provides Drilling Update for Pine Point</p>
Yellowknife City Gold Project (+ Con Mine)	Gold Terra Resources		The Yellowknife City Gold "YCG" project encompasses 800 sq. km of contiguous land immediately north, south and east of the City of Yellowknife in the Northwest Territories.	7 September 2022, Gold Terra Announces Initial Mineral Resource Estimate: 109,000 Gold Ounces Indicated and 432,000 Gold Ounces Inferred on the Con Mine Option Property, NWT

			<p>Being within 10 kilometres of the City of Yellowknife, the YCG project is close to vital infrastructure, including all-season roads, air transportation, service providers, hydro-electric power and skilled tradespeople. The district-size property lies on the prolific Yellowknife greenstone belt, covering nearly 70 km of strike length on the southern and northern extensions of the shear system that hosts the Con and Giant gold mines, which have produced over 14 million ounces of gold (Giant mine: 8.1 Moz @ 16.0 g/t Au and Con mine: 6.1 Moz @ 16.1 g/t Au). The Campbell Shear on the Newmont Option claims immediately south of the former high-grade Con Mine is one of Gold Terra’s highest priority targets to delineate higher-grade gold zones.</p>	<p>25 August 2022, Gold Terra Confirms High-Grade Intersection of 9.36 g/t Au Over 3 Metres in Winter Program of Mispickel Area, Yellowknife, NWT</p> <p>3 August 2022, Gold Terra Starts Summer Drilling Program and Provides Update on Campbell Shear Multiple Mineralized Zones, Con Mine Property, Yellowknife, NWT</p> <p>27 June 2022, Gold Terra Intersects 1.97 g/t Gold over 6.50 Metres with Visible Gold and 2.00 g/t Gold Over 4.50 Metres at Depth on Campbell Shear, Con Mine Property, Yellowknife, NWT</p> <p>8 June 2022, Gold Terra Expands High-Grade MP-Ryan Zone with 31.89 g/t Au over 3 metres including 69.4 g/t Au over 1 metre, Northbelt Mispickel area, Yellowknife, NWT</p> <p>5 May 2022, Gold Terra Intersects 3.59 g/t Gold over 7 Metres including 8.02 g/t Gold over 2 Metres on New High-Grade MP-Ryan Zone, Mispickel Area, Yellowknife City Gold Project, NWT</p>
Courageous Lake	Seabridge Gold Inc.	Gold	<p>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 is currently focusing on their KSM mine and other BC projects.</p>	<p>Media release 29 April 2021 Seabridge sells residual Red Mountain interest for US\$18 million</p>

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Mines and promising Nunavut projects

The following table describes leading mineral development projects in Nunavut.

Project	Owner(s)	Commodity	Description	Status
Meadowbank Gold Mine	Agnico Eagle Mines Ltd.	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.	<p>11 August 2022, Agnico Eagle provides an update on year-to-date exploration results</p> <p>27 July 2022, Agnico Eagle Reports Q2-2022 Results - Strong Operational Performance Drives Record Quarterly Gold Production</p> <p>28 June 2022, Agnico Eagle Provides Notice Of Release Of Second Quarter 2022 Results And Conference Call</p> <p>10 June 2022, Agnico Eagle Recommends Shareholders Reject Offer</p> <p>2 May 2022, Agnico Eagle Announces Acceptance by TSX of Normal Course Issuer Bid</p> <p>29 April 2022, Agnico Eagle Announces Election of Directors</p>
Meliadine Gold Mine (commercial production May 14, 2019)	Agnico Eagle Mines Ltd.	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).	See above.
Hope Bay (Mine began commercial production May 15, 2017)	Agnico Eagle Mines Ltd.	Gold	Gold mine 130 km south of Cambridge Bay. On January 5, 2021 Agnico Eagle announced it would be acquiring TMAC Resources Inc., the operator of the Hope Bay property located in the Kitikmeot region of Nunavut. 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 through 2018. TMAC acquisition was officially completed February 2, 2021.	See above.

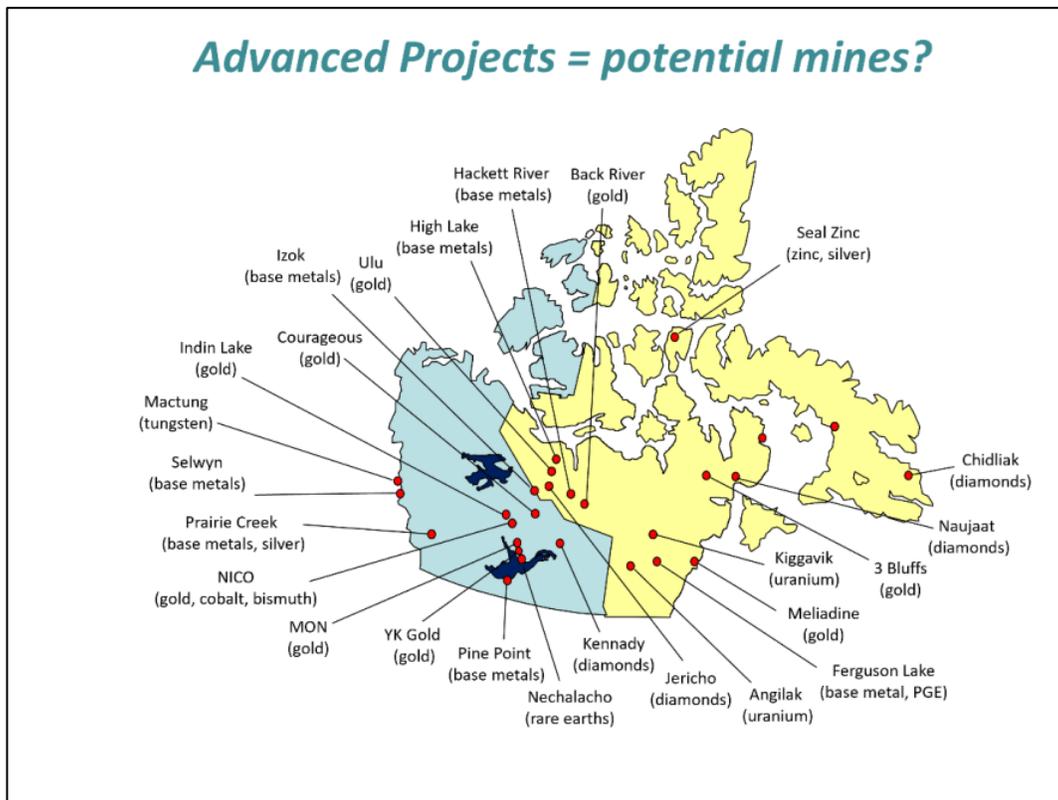
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Mary River Iron Mine	Baffinland Iron Mines Corporation	Iron	<p>Open pit mine 936 km north of Iqaluit.</p> <p>Jointly owned by The Energy and Minerals Group and ArcelorMittal, Baffinland Iron Mines Corporation operates the high-grade Mary River iron ore mine located on Baffin Island, Nunavut. It produces the highest grade of direct shipping iron ore in the world. The mine is seeking approval of Phase 2 to support construction of a 110-km railway to Milne Inlet, to support increased production of 12 million tonnes per annum.</p>	<p>22 September 2022, NIRB Recommendation on 6.0Mt Permit for 2022</p> <p>6 June 2022, Baffinland starts process to lay off up to 1,328 employees in Nunavut</p> <p>2 June 2022, Minister Rejects Baffinland's Request for Emergency Order</p> <p>13 May 2022, Baffinland Responds to NIRB Recommendation Report</p> <p>4 March 2022, Baffinland to Begin Staged Return of Nunavummiut Employees to Work at the Mary River Mine Starting the Week of March 7</p>
Back River	Sabina Gold & Silver Corp.	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>28 September 2022, Sabina Gold & Silver Makes First Draw on US\$125M Gold Stream Facility</p> <p>7 September 2022, Sabina Gold & Silver Makes Formal Construction Decision for the Goose Gold Mine</p> <p>12 July 2022, Sabina Gold & Silver Opens George Camp as Next Focus of Development on the Back River Gold District</p> <p>13 June 2022, Sabina Gold & Silver Closes Zhaojin C\$12 Million Pp Financing</p> <p>2 June 2022, Sabina Gold & Silver Drills 21.87g/T Au Over 15.10m (Hole 22gse610), 12.59g/T Au Over 45.05m (Hole 22gse607) And 16.22g/T Au Over 10.57m (Hole 22gse611) At Umwelt V2 Zone</p> <p>31 May 2022, Sabina Gold & Silver Reports 3rd Tranche of Equity Private Placement for ~ Cad\$17.5 M Closed</p> <p>26 May 2022, Sabina Gold & Silver Announces AGM Voting Results</p>
Kiggavik	Orano Canada Inc.	Uranium	<p>Proposed uranium mine 80 km W of Baker Lake.</p> <p>Estimated Construction jobs: 750</p> <p>Estimated mine jobs: 600</p>	<p>25 July 2016, INAC, on behalf of responsible ministers for authorizing if Kiggavik Project should or should not proceed, accept NIRB’s determination it not proceed at this time.</p>
Chidliak	De Beers Group	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"> •After-tax payback of 2.2 years •Life of mine 13 years •Resource at CH-6 and CH-7 exceeds 22 million carats •Pre-production capital requirement ~\$455m, incl \$95m for access road from Iqaluit, \$55m in contingency •Pre-tax NPV(7.5) of \$1069 million and a pre-tax IRR of 38.6% •After-tax NPV(7.5) of \$679 million and an after-tax IRR of 31.1% 	<p>Media release 9 July 2020 De Beers Group: Inuit firm successfully completes critical Chidliak maintenance</p>

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<p>Naujaat Diamond Project</p>	<p>North Arrow Minerals partnered with EHR Resources</p>	<p>Diamonds</p>	<p>7 km from tidewater; 9 km from Repulse Bay, Melville Peninsula; 7,143 hectares of contiguous mineral claims. Largest kimberlite in Nunavut.</p>	<p>28 July 2022, North Arrow Reports Bulk Sample Results from Naujaat Diamond Project, Nunavut</p> <p>26 April 2022, North Arrow Reports Initial Bulk Sample Results From Naujaat Diamond Project, Nunavut</p>
<p>Committee Bay Gold Project</p>	<p>Fury Gold Mines formerly Auryn Resources</p>	<p>Gold</p>	<ul style="list-style-type: none"> • High grade gold endowment • Existing exploration infrastructure • Over 270,000 hectares with district scale discovery opportunities 	<p>16 February 2022, Fury Announces 2021 Drill Results from Raven Prospect</p>
<p>Storm Copper and Seal zinc-silver projects, nunavut</p>	<p>American West Metals Limited has an option to earn an 80% interest in the Storm Project from Aston Bay Holdings. .</p>	<p>Copper, zinc, silver</p>	<p>The Nunavut property consists of 117 contiguous mining claims and 6 prospecting permits covering an area of approximately 302,725 hectares on Somerset Island, Nunavut. The Storm Project comprises both the Storm Copper Project, a high-grade sediment hosted copper discovery (intersections including 110m @ 2.45% Cu from surface and 56.3m @ 3.07% Cu from 12.2m) as well as the Seal Zinc Deposit (intersections including 14.4m @ 10.58% Zn, 28.7g/t Ag from 51.8m and 22.3m @ 23% Zn, 5.1g/t Ag from 101.5m). Additionally, there are numerous underexplored targets within the 120km strike length of the mineralized trend, including the Tornado copper prospect where 10 grab samples yielded >1% Cu up to 32% Cu in gossans.</p>	<p>28 September 2022, Aston Bay Announces New Copper System Confirmed at Storm Project, Nunavut</p> <p>28 September 2022, New copper system confirmed at the Storm Project, Canada</p> <p>8 September 2022, Aston Bay Announces 48 Metres of 2.92% Copper Intersected at Storm Project, Nunavut</p> <p>7 September 2022, American West: Outstanding Drilling Results Continue at Storm, NU</p> <p>1 September 2022, Aston Bay Announces 41 Metres of 4.18% Copper Intersected at Storm Project, Nunavut</p> <p>25 August 2022, Aston Bay Announces Additional Near Surface Copper Mineralization And Expansion Of High Grade 2750n Zone At Storm Project, Nunavut</p>
<p>JLU Gold project</p>	<p>Bluestar Gold Corp.</p>	<p>Gold, silver</p>	<p>Past work includes ~ 1.7 km of underground development and approximately 405 diamond drill holes that produced 88,330m of core on the Flood Zone. It contains the bulk of the Ulu gold resource and is open on-strike and at depth. Overall resources of 2.50 million tonnes grading 7.53 g/t Au for 605,000 gold ounces (measured & indicated category) and 1.26 million tonnes grading 5.57 g/t Au for 226,000 gold ounces (inferred category) have been estimated for the Flood and Gnu Zones. Supplementing the high-grade gold resources, the Ulu project includes a substantial inventory of capital equipment, a camp with shop and a 1,200 m long airstrip.</p>	<p>7 September 2022, Blue Star Gold Completes 2022 Exploration Program; 8.18 g/t Gold Over 4.2 Metres Intersected at Gnu Zone</p> <p>20 July 2022, Blue Star Gold Intercepts 15.00 g/t Gold Over 17.65 m (Including 25.74 g/t Gold Over 6.00 m)</p> <p>15 February 2022, Blue Star Gold Releases Final 2021 Results and Summarizes its 2022 Exploration Plans</p>
<p>Angilak</p>	<p>ValOre Metals Corp. (formerly Kivalliq Energy)</p>	<p>Uranium</p>	<p>340,268-acre property located SW of Baker Lake; Hosts the high-grade Lac 50 Trend deposit</p>	<p>13 September 2022, ValOre Drilling Intersects Multiple Radioactive Zones at Dipole and J4 West Targets, Angilak Property Uranium Project, Nunavut, Canada</p> <p>30 August 2022, ValOre Closes Oversubscribed \$2.9 Million Private Placement</p> <p>19 August 2022, ValOre Announces CAD\$2.5 Million Financing</p>

Project Maps



Projected existing and proposed mine lives

