

Northern Mining News

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From the Editor ...

This been a busy month, with results arriving from a number of exploration projects and mines in the NWT and Nunavut. Some stories that leap out include the golden polar bear weighing 177 pound (yes you read right, pounds!) fashioned by Agnico Eagle to mark the first million ounces from Meliadine mine. NorZinc made a series of very positive community related announcements to advance its Prairie Creek mining project; and there were some spectacular core results from the Storm copper project in Nunavut.

However, it was with shock and deep sadness that we learned of a fatality at the Gahcho Kué mine, as all of our mines operate to such very high safety standards. We know that the authorities are conducting a full investigation to discover what happened. Our heartfelt condolences go out to family and friends.

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

Meliadine Celebrates Million Ounce Milestone, Prepares for Potential Expansion

Building a Better Future with Our Inuit Employees, Partners & Neighbours

After three years and millions of hours of hard work, Meliadine proudly poured its millionth ounce of gold on February 25th, 2022.

A major event for any mining company, this milestone is particularly meaningful because it marks the culmination of a 15-year journey to bring economic and social prosperity to Canada's North.

"We made a commitment to work in partnership with the Nunavummiut to build a better future together," says Luc Chouinard, Meliadine's Interim General Manager. "And though more work remains, we have made great strides in fulfilling that commitment. We have provided high-paying jobs and helped develop a skilled local workforce. We have supported local communities and businesses, and built local infrastructure and supply chains. We have also worked closely with local governments to create employment readiness, skills development and retention programs for our Inuit workforce."

Luc adds, "We would not be celebrating this milestone without the support of our Inuit employees and their families, as well as Inuit leaders and the Kivalliq Inuit Association – all of our neighbours and partners in Nunavut."

Saying Thanks, Paying Tribute

To thank Agnico Eagle employees and contractors for helping the mine reach this important milestone, Meliadine hosted four different celebrations. To mark the official pour, a Golden Polar Bear was cast and on March 9th, it was presented to Agnico Eagle's visiting leadership team of Ammar Al-Joundi President & Chief Executive Officer, Dominique Girard Executive Vice President & Chief Operating Officer Nunavut Quebec & Europe, Carol Plummer Executive Vice President Operational Excellence, Martin Plante Vice President Nunavut, and Olivier Grondin Exploration Manager Canada.

On May 25th and June 8th Meliadine hosted fun employee celebrations onsite with an Open House that featured a very popular photo booth where employees had the opportunity to get their picture taken



218 trucks hauled 10,890 tonnes of ore to produce the Agnico Eagle Golden Polar Bear. It weighs 80.42 KG (177 lbs) and is comprised of 91.006% gold content and 6.856% silver content.

with the Golden Polar Bear. A final celebration, held on June 30th, recognized the tireless support of employees based out of Agnico Eagle's Mirabel and Val-d'Or, Quebec locations.

About the event, Luc says, "This was an opportunity to say thanks and pay tribute to employees, and our many contractors, for their resilience in navigating the unprecedented times these last few years. Now, with our Nunavut employees back onsite, we wanted to celebrate and ensure they are part of everything we do – which is core to Agnico Eagle's culture of caring."

Unlocking Meliadine's Future Potential

Meliadine still has tremendous mineral potential and the future includes a potential expansion of the mine.

Currently, the mine is in the permitting phase which, if successful, would allow it to develop properties south of the mine site. The team is also pursuing technology that would allow it to automate the mine more, allowing it to be more efficient and improve its output. The goal is to extend the life of the mine and produce more ounces annually for as long as possible.

As the person responsible for Meliadine's expansion project, Luc says, "We are focused on the future and on unlocking more of Meliadine's rich mineral potential. With the support of the Nunavummiut, we're well positioned to build a better future, a more sustainable future, for the benefit of all."

Click [here to watch a special video](#):

A woman on the move – success at AEM's Meadowbank mine, Nunavut

Renee Pudnak is a woman on the move in the mining industry. As the first woman to achieve Class 1 Heavy Equipment Operator status at the Meadowbank Complex, Renee is helping to break down barriers and inspire other women to pursue a career in mining.

In recognition of her talents and her influence in making the workplace more inclusive, Renee has won the 2021 Michel Létourneau Award.

This prestigious award is presented annually to an Agnico Eagle employee or team that makes a strong contribution to teamwork, productivity improvements, cost control, innovation, accident prevention and/or health and safety.

The award was presented to Renee during a virtual ceremony on July 28th celebrating employee Good Moves in health, safety, environment, community and business throughout 2021-2022. Over the past 8 years, the Good Moves campaign has highlighted more than 4,000 employee contributions that have improved Agnico Eagle's performance.

During the ceremony, Renee's inspiring career path was celebrated. In 2011, she joined Meadowbank's Housekeeping Department, then transitioned to working in the mine as a Haul Truck Operator. Renee later made another career advancement to the Energy and Infrastructure (E&I) department, where she started on the Career Path program to become a Heavy Equipment Operator. After numerous training hours and skill tests, Renee successfully became the first woman to achieve Class 1 Heavy Equipment Operator status. She is now qualified to operate many types of large equipment.

The award was presented by Ammar Al-Joundi, President & CEO, Patrice Gilbert, Vice President Health, Safety, Security & Advisor Indigenous Affairs, and the award's namesake, our former colleague Michel Létourneau. Now retired, Michel was a visionary leader of our health, safety and security programs.

In presenting Renee with her award, Ammar said, "Renee, not only do you bring immense talent and determination to your role, through your training and hard work you are influencing behaviours to make

the workplace more inclusive and you provide a positive example to women aspiring to pursue careers in the mining industry. Let's continue to bring our best selves to work everyday, to reach our full potential and more – as inspired by Renee's example."

(Story courtesy Agnico Eagle, The Eagle Blog, August 29, 2022)



Meadowbank's Renee Pudnak Wins Michel Létourneau Award.

NWT Minister Wawzonek strong speech to PNWER Annual Summit

Yellowknife — July 26, 2022

I have the privilege of appearing with you today in my role as the Minister of Industry, Tourism and Investment but I also have the responsibility of Minister of Finance. These portfolios together provide me a perspective into the individual industries and sectors that make up the NWT economy as well as the more macro economic role played by government as well as the impacts of various economic events on the fiscal strength of our government. In shorter terms, with these two hats, I have often been told that I am the Minister responsible for the economy. And am often asked, what am I going to do to fix it.

I am not responsible for Arctic sovereignty but the two are very much connected.

As we meet today, Russia's war of aggression against the Ukraine has given renewed urgency to discussions about Canada's presence in the Arctic. Arctic sovereignty must be more than mere flag planting. Those arcane days are over. We as a country, as Canadians, need to be deliberate in our assertion of being an Arctic nation. And to do that, we must reckon with the reality that the huge parts of Canada that are truly northern, are geographically vast, underdeveloped and lacking in physical connection beyond what most Canadians realize. These landscapes are also full of potential that can help fuel Canada's economic engines well south of its Arctic regions.

Sovereignty and security should not be the reason for investment in the North – but the result. If we can shift the thinking about what the North is, what its challenges are and its potential, then the task of asserting sovereignty is not only an obligation but an opportunity.

To be truly impactful, any commitment to developing the North must extend beyond its physical location to focus on its people. Not as an after-thought; or as benefactors of a robust military presence. Not as an interest group; but by placing Northern Canadians as the very immediate beneficiaries and drivers of any development – and with a fundamental role to play in any form of development itself. Anything less risks going backwards towards the disconnected approach of mere flag planting.

Finally joining the north to the interconnected web of national infrastructure that binds the rest of Canada would be the most permanent and pertinent assert of Arctic sovereignty. It may come as a surprise to many that 21 of our 33 communities do not have all season roads connecting them to the rest of the NWT, let alone Canada. The entire middle reach of Canada’s path to the Arctic has no road through and indeed no road connects the NWT, again let alone the rest of Canada, to the eastern Arctic at all. The NWT is not connected to Canada’s energy grid. And despite a vast coastline, there is no deep water port.

The building blocks to create a strong and prosperous Arctic exist. The Northwest Territories, alone has a vast resource base capable of sustaining record levels of economic growth and development.

We are best known for diamonds, renewed exploration for diamonds has recently ramped up and is showing very positive signs. But our rich mining history began with gold and here, too, is showing recent strong resurgence. In nearly a century of continuous mining, we have also mined lead, zinc, silver – even uranium.

It shouldn’t be a surprise that in this vast inventory of natural resources, Canada’s North is also home to an abundance of critical minerals; the “green” or “technology” metals that will be needed to power and drive the future. We are home to the only rare earth element mine in Canada, only the second in north America, have the largest known deposit of Tungsten outside of China and likely Canada’s first primary cobalt mine. These particular resources are not only termed critical minerals and metals but strategic – because access to these fundamental building blocks to the order of society as we know it are often located in countries with sometimes unstable or uncertain political regimes.

Alongside its mineral resources, the NWT has extraordinary gas resources. And, as the world seeks out new sources of energy generation to facilitate the shift to lower-carbon alternatives, our natural gas is positioned to be a transition fuel that could allow Canada to help meet market needs and reduce global greenhouse gas emissions.

So, what is holding us back?

To state the obvious, billions of dollars of infrastructure investment are required to get projects off the ground. Our government is just too small to make these investments on its own. We do not have the population base to support an own source revenue generating ability adequate to run the kind of catch



up needed given the history of development in the Arctic versus elsewhere. Canada's North requires the financial support of both the federal government as well as the private sector to move forward.

Strategic investments in three major projects, the Mackenzie Valley Highway, the Slave Geological Province Corridor, and Taltson Hydro Expansion have been prioritized by the Government of the Northwest Territories for advancement during the life of this government. All three, indeed any of the three, have the potential to transform the economic future of the NWT but to be certain, each will require an approach to financing that looks to partnerships with all levels of government including NWT-based Indigenous governments as well as the Federal government and the private sector.

Briefly, I want to introduce you to two northern transportation corridors that could open a door to greater economic prosperity – both for the North and for our neighbors in southern Canada. The first is the Mackenzie Valley. It offers a natural transportation, trade and communications corridor stretching from the Alberta border to the Arctic coast and would open up the rich gas reserves of our Sahtu and potentially Beaufort Delta regions.

The second is the Slave Geological Corridor, that will improve access our diamond fields, reduce operating costs for existing mines, spur greater exploration for new minerals and metals and, longer term, hopefully connect our region to a deep water port on Nunavut's Arctic coast.

The Slave Geological Corridor would also support one of the phases of the proposed Taltson Hydro Expansion with a transmission line project that would bring hydro energy access to not only communities around Great Slave Lake but into the areas with a strong presence of gold, diamond, zinc and other mineral rich deposits around the NWT.

With so much potential, with the urgency of sovereignty overlooking, it is an interesting fact that even in the context of today's global economy the economies of the world's northern or Arctic regions are, for the most part, not intertwined. Of the linkages that exist in the Arctic - transportation, trade, pipelines, roads, rail, marine or telecommunications - very few travel East to West or around the circumpolar North.

Instead, the economic ties that have been built, to the extent that they exist, run North to South. When northern resources are developed it is, ironically, southern jurisdictions - and not our northern neighbours - that benefit the most. This is notable when thinking about sovereignty. But it should also be notable when thinking about the benefits of further infrastructure development.

Access corridors, whether for transport or energy, are not just Northern projects. They benefit our country as a whole. They draw on goods and services from across Canada; jobs, contracts and business that contribute to the tax coffers of provincial governments from coast to coast.

Canada's leading economic provinces did not get to where they are today without the support of federal investment and private investors. The North is in a similar position of opportunity today.

This is a pivotal time for the NWT. Resource availability, technology, market demand and global -and therefore political - interest are coming together to create a positive climate for investment.

Investments in infrastructure are needed – and possibly owed - to the people who call Canada's North their home. They require us to bring industry, business and government together to consider and address the issues and challenges that we have in common; and to work collaboratively to find and implement solutions.

In doing so can unleash the full economic potential of Canada's North and simultaneously address the volatility of the Arctic by empowering the people of the north.

Member News Releases This Past Month (Hotlinked)

- 6 September 2022, [New Break Announces Start of Trading on CSE Under Symbol \(CSE: NBRK\) on Wednesday, September 7, 2022](#)
- 6 September 2022, [Forum Provides Nunavut Uranium Project Update](#)
- 6 September 2022, [Sixty North Gold Defines a Large IOCG Target on the Mon Property](#)
- 2 September 2022, [Fatality at the Gahcho Kué Mine](#)
- 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](#)
- 1 September 2022, [Aston Bay Announces 41 Metres of 4.18% Copper Intersected at Storm Project, Nunavut](#)
- 1 September 2022, [41m at over 4% copper intersected at Storm, Canada](#)
- 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](#)
- 31 August 2022, [StrategX Elements Corp. Announces up to \\$1.5M Private Placement](#)
- 31 August 2022, [Vital announces Board and Management Changes](#)
- 30 August 2022, [ValOre Closes Oversubscribed \\$2.9 Million Private Placement](#)
- 29 August 2022, [Osisko Metals Files Positive Pine Point PEA](#)
- 29 August 2022, [Industry Bulletin: Interest in establishing lithium battery materials supply chains in Canada continues to grow with German automakers now encouraged to provide support](#)
- 25 August 2022, [Nighthawk Gold Completes 2022 Exploration Program Drilling Ahead of Schedule](#)
- 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](#)
- 25 August 2022, [Aston Bay Announces Additional Near Surface Copper Mineralization And Expansion Of High Grade 2750n Zone At Storm Project, Nunavut](#)
- 24 August 2022, [New Break Provides Instructions for Receipt of Share Certificates in Advance of Trading](#)
- 23 August 2022, [Aston Bay Announces Major New Copper Discovery at Storm Project, Nunavut](#)
- 22 August 2022, [Major new copper discovery at the Storm Project, Canada](#)
- 19 August 2022, [ValOre Announces CAD\\$2.5 Million Financing](#)
- 18 August 2022, [Fortune Minerals Announces Completion of 2015 Debentures Extension](#)
- 17 August 2022, [Blue Star Gold Provides Exploration Program Update 6.52 g/t Gold Over 17.4 Metres Intersected at Flood Zone](#)
- 17 August 2022, [NorZinc And Acho Dene Koe First Nation Sign Key Transportation Corridor Benefits Agreement](#)
- 16 August 2022, [Rover Metals Options Brownfields Critical Minerals Project at 60th Parallel, NT, Canada](#)
- 16 August 2022, [Fortune Minerals Negotiates Agreement in Principle to Extend the Term of Its 2015 Debentures](#)
- 11 August 2022, [Agnico Eagle provides an update on year-to-date exploration results](#)
- 11 August 2022, [NorZinc Announces Permitting Milestone for Mine Expansion Operating Permits](#)
- 10 August 2022, [NorZinc Signs Environmental Agreement with Key First Nation Partners in Yellowknife](#)
- 10 August 2022, [Vital strengthens Board with appointment of two Directors](#)
- 8 August 2022, [Extensive shallow copper intersected at Storm Project, Nunavut](#)

- 8 August 2022, [Aston Bay Announces Additional Shallow Copper Mineralization Intersected At Storm Project, Nunavut](#)
- 5 August 2022, [New Break Files Final Prospectus and Receives Conditional Listing Approval from the CSE](#)
- 3 August 2022, [Gold Terra Starts Summer Drilling Program and Provides Update on Campbell Shear Multiple Mineralized Zones, Con Mine Property, Yellowknife, NWT](#)
- 2 August 2022, [ValOre's Second Core Rig Commences Drilling, with First Drill Intercepting Multiple Zones of Shallow Radioactivity at Dipole Uranium Target, Angilak Property](#)

DETAILED MEMBER UPDATES

Fatal Incident at Gahcho Kué Mine

On September 2, 2022, De Beers and Mountain Province released this statement on a fatality at the Gahcho Kué diamond mine.

STATEMENT FROM DE BEERS GROUP:

We are deeply saddened to confirm that an employee from a contractor partner company succumbed to injuries sustained in an incident at Gahcho Kué Mine on Thursday, 1 September. The circumstances around what happened are under investigation by the appropriate authorities. All non-essential work at the mine has been suspended.

This is an extremely tragic incident and the mine joint venture partners, De Beers Group and Mountain Province Diamonds, extend our deepest condolences to the grieving family and friends of the deceased individual.

We want to commend the individual's co-workers, the mine's Emergency Response Team, and the onsite medical team who made every effort to save their colleague's life. A grief counsellor arrived at the mine Thursday evening and additional counselling services are available to all employees.

Gahcho Kué is located in the Northwest Territories, about 280 km northeast of Yellowknife. The mine is a joint venture between De Beers Group (51% - the operator) and Mountain Province Diamonds (49%).

Baffinland Iron Mine short term production increase request delayed

Our Chamber of Mines was tremendously disappointed to learn that the Nunavut Impact Review Board has delayed a decision on Baffinland Iron Mines' (BIM) request to allow another year at 6 million tonnes production (MTPA). The company has been operating at this level for the past four years. However, this production level had only been granted for that period, and with its expiry would have to revert to 4.2 MTPA if its Production Increase Proposal is not approved. This would have been moot had they received approval to expand to 12MTPA as they had applied for under Phase 2. That approval was not given by NIRB.

As a result, BIM had to apply for an extension at 6 MTPA to prevent laying off works as they reached their mining production limit of 4.2 million tonnes. The Federal Minister of Northern Affairs had requested that NIRB provide a response by late August, given the urgency of the situation. However the Board has now indicated it will not respond until late September.

At press time, we are unsure of what will happen. This is not a good situation for a mine that provides a quarter of Nunavut's entire economy and supports valuable jobs and business. Stay tuned.

Ekati Mine annual Socio-Economic Agreement Report now available

Last month, we reported that De Beers had submitted their [2021 Socio-Economic Agreement Report](#). This month, Arctic Canadian Diamond Company has posted its latest [2021 Ekati Diamond Mine Socio-Economic Agreement Report](#) on its website. The report describes the results of Ekati's commitments to the Government of the Northwest Territories (GNWT) as set out in their Socio-Economic Agreement.

From its President's Message:

Late January 2021 saw the restart of operations at Ekati Mine following ten months of care and maintenance.

Ekati Mine has long been committed to the health, safety, and well-being of our employees; and to establishing strong, lasting relationships with the people and communities with whom we work. In line with these commitments, the focus at restart was on reintegrating our employees into operations safely and in an environmentally responsible manner, while ensuring that protocols were put in place to safeguard our employees and their communities against the spread of COVID-19.

February 2021 saw the launch of Arctic, as a newly restructured company with a new ownership group. Under the guidance of our owners, board of directors, and management team, together with the support of our employees, business partners and communities, operations at Ekati Mine were successfully restarted, providing employment and renewed business opportunities.

The year was highlighted by the significant number of new employees we welcomed to the Arctic family, providing some stability during the uncertain COVID-19 times. I am extremely grateful for the support of our stakeholders, both through the emergence of Arctic and on an ongoing basis through 2021 and beyond.

We continue to place high priority on relationships with stakeholders, including our employees and contractors, Impact Benefit Agreement (IBA) groups and Northern communities, the governments of the Northwest Territories and Nunavut, and our Northern business partners.

Arctic is proud to maintain our commitments to the land, the environment, and the communities, and we look forward to innovating and continuing our practices now and into the future.

Some highlights include:

- 1,083 person years of employment of which 366 (34%) are northern and 249 (18%) Indigenous
- Expenditures of \$307 million: \$168 million (55%) northern and \$112 million (36%) Indigenous.

Click [here](#) or on the report image to download.



Agnico Eagle provides an update on year-to-date exploration results

Including Hope Bay returning wide high grade intersections below the Doris deposit

[Editor's Note: We have only provided Nunavut highlights from the lengthy release]

On August 11, Agnico Eagle Mines Limited (NYSE:AEM, TSX:AEM) provided an update on exploration activities at several projects and select mine sites. The Company's exploration focus remains on pipeline projects, near-mine opportunities and mineral reserve and mineral resource replacement and growth.

"The Company's ambitious exploration program for 2022 is yielding exciting results. At Detour Lake, the step-out drilling suggests good potential for an underground operation and extensions to the current open pits. At Canadian Malartic, the step-out drilling continues to significantly extend the East Gouldie deposit to the east and the west. At Hope Bay, the drill results confirm the expansion of the Doris deposit at depth with wide high grade intercepts, well ahead of our expectations," said Ammar Al-Joundi, Agnico Eagle's President and Chief Executive Officer. "In addition, we continue to generate significant exploration results at producing assets including Fosterville, Meliadine, LaRonde and Kittila. With these positive results, we are adding \$30 million dollars to our exploration budget in 2022 as we aim to accelerate the realization of the full potential of existing operations and key projects in the Company's pipeline," added Mr. Al-Joundi.

NUNAVUT REGION

Agnico Eagle has identified Nunavut as a politically attractive and stable jurisdiction with enormous geological potential. With the Company's Meliadine mine and Meadowbank complex (including the Amaruq satellite deposit), together with the Hope Bay project and other exploration projects, Nunavut is a strategic operating platform that builds on the Company's established infrastructure, access roads, procurement synergies and the region's tremendous geological potential, with the ability to generate strong gold production and cash flows over several decades.

Meliadine – Significant Exploration and Conversion Results from Pump Deposit Near Surface and Down-Plunge at Depth

The Meliadine property includes seven gold deposits, six of which are part of the current mine plan. Tiriganiaq is the largest of the deposits with a strike length of approximately 3.0 kilometres at surface and a known depth of 812 metres.

Exploration during the first half of 2022 at the Meliadine mine site and surrounding areas totaled 35,606 metres, with work focused on three areas: deep exploration and conversion drilling at the Pump deposit; infill drilling of inferred mineral resources at depth in the Wesmeg and Tiriganiaq deposits; and exploration drilling at the F-Zone deposit.

Selected recent exploration drill intercepts from the Pump deposit at the Meliadine property are set out in a table in the Appendix and in the plan map and composite longitudinal section below.

During the first half of 2022 at the Pump deposit, the Company completed 51 holes from surface totalling 16,890 metres to convert and expand the mineral resources at the Pump South and North zones.

The positive results from infill drilling at shallow depth into the Pump South Zone are expected to convert a portion of inferred mineral resources into indicated mineral resources in the eastern (main) ore plunge. Highlights include: hole M22-3364, which intersected 6.5 g/t gold over 4.1 metres at 143 metres depth; and hole M22-3361, drilled 36 metres to the east, which intersected 11.7 g/t gold over 4.2 metres at 125 metres depth. Other notable infill drilling results include hole M22-3362, drilled 51 metres further east, which returned

6.4 g/t gold over 5.4 metres at 76 metres depth; and hole M22-3360, drilled 93 metres east of hole M22-3364, which returned 9.4 g/t gold over 3.0 metres at 87 metres depth.

Approximately 200 metres deeper down-plunge in the same gold-mineralized oreshoot, hole M22-3380A intersected 9.3 g/t gold over 4.2 metres at 328 metres depth. Hole M22-3382A, drilled 33 metres to the east, intersected 7.7 g/t gold over 5.0 metres at 321 metres depth and hole M22-3384, drilled 80 metres east of hole M22-3364, intersected 20.4 g/t gold over 3.7 metres at 339 metres depth. These holes are expected to convert inferred mineral resources located between two substantial areas of indicated mineral resources.

In 2021, the exploration drilling program identified an important mineral inventory at the limits of the mineral resource along the main plunge. This year's follow-up drilling program has confirmed the grade, thickness and continuity of this new mineralized zone. Hole M22-3391, which returned 18.8 g/t gold over 5.3 metres at 565 metres depth, is expected to extend the inferred mineral resources down plunge. Hole M22-3401, drilled into inferred mineral resources located 106 metres to the east, returned 10.1 g/t gold over 5.0 metres at 488 metres depth.

Drilling of the Pump North and Pump South targets is planned to resume next winter. An internal study is underway of the underground portion of the Pump deposit and is due for completion in early 2023.

Elsewhere on the Meliadine property in the first half of 2022, a total of 18,716 metres of exploration and conversion drilling was carried out in Tiriganiaq and Wesmeg deposits from the newly developed exploration drift as well as from surface in the F-Zone deposit.

Based on recent success of the exploration programs at Meliadine in the first half of 2022,

\$6 million of the additional \$30 million in exploration expenditure will be dedicated to drill an additional 40,000 metres to support mineral resources to mineral reserves conversion and the addition of mineral resources in the extensions of the known deposits.

Meadowbank – Infill Drilling at Whale Tail Underground Confirms Grade and Width of Stopes with Underground Production to Ramp Up in the Second Half of 2022; Exploration Drilling in Gap Between IVR Pit and IVR Underground Returns Positive Results; Deep Drilling Campaign Underway Below Whale Tail, IVR and Mammoth

The exploration program at Amaruq in 2022 is budgeted at \$19.5 million for a planned 61,800 metres of exploration and conversion drilling, with 31,996 metres of drilling completed during the first half of 2022.

The exploration drilling in 2022 has several objectives: completing definition drilling of mineral resources to allow evaluation for possible Whale Tail Pit extension at its western end toward the Mammoth prospect as well as extending mineral resources at depth in the Whale Tail, IVR and Mammoth deposits; below the IVR pit, testing a gap between the open pit and the underground mineral resources; and continuing delineation drilling in the underground mine in the Whale Tail deposit to confirm the final shapes of stopes as production will gradually ramp up in the second half of 2022.

Selected recent drill intercepts from the exploration and conversion drilling at Amaruq are set out in a table in the Appendix and in the composite longitudinal section below.

Underground infill drilling in the Whale Tail deposit during the first half of 2022 has increased confidence in the geological modelling of the deposit and better defined the stopes that are scheduled for production during the second half of 2022.

Highlights from this infill drilling include: hole AMQ-290-200-F1 returning 5.2 g/t gold over 7.2 metres at 285 metres depth and 5.5 g/t gold over 20.8 metres at 284 metres depth; hole AMQ-320-200-U1

returning 5.6 g/t gold over 27.0 metres at 305 metres depth; hole AMQ-320-201-U1 returning 3.4 g/t gold over 25.2 metres at 299 metres depth; hole AMQ- 320-204-F1 returning 6.3 g/t gold over 20.0 metres at 314 metres depth; and hole AMQ- 320-205-U1A returning 9.3 g/t gold over 21.2 metres at 282 metres depth.

Drilling into the gap between the IVR pit and the underground IVR mineral resources intersected significant mineralization that will likely contribute to increased mineral resources and the conversion of inferred mineral resources into indicated mineral resources in the upper portion of the underground IVR mineral resources. Highlights from this drilling include 6.8 g/t gold over 5.9 metres at 223 metres depth in hole AMQ21-2729, 5.3 g/t gold over 8.1 metres at 352 metres depth in hole AMQ21-2707A, 5.4 g/t gold over 9.5 metres at 296 metres depth in hole AMQ21-2745 and 20.3 g/t gold over 5.1 metres at 336 metres depth in hole AMQ21-2728A.

Drilling along the western limits of the IVR deposit resulted in highlights such as 13.5 g/t gold over 5.2 metres at 360 metres depth and 7.3 g/t gold over 3.3 metres at 401 metres depth in hole AMQ21-2690A. In the central portion of the IVR deposit, conversion hole AMQ21-2680 returned 6.0 g/t gold over 22.4 metres at 391 metres depth.

A deep drilling campaign began at Amaruq in late April with the objective of extending underground mineral resources under the Whale Tail, IVR and Mammoth known orebodies. To date, two deep holes at Whale Tail and two others at Mammoth were completed and intersected the targeted mineralized horizons, with all results pending. Drilling is also ongoing at IVR at depth where the deposit remains open.

Hope Bay – Drilling Tests Extensions of High-Grade Zones at Doris; Larger Production Scenarios Continue to be Evaluated

On February 18, 2022, the Company announced that it decided to maintain the suspension of production activities at the Hope Bay mine in order to dedicate the infrastructure of the Hope Bay site to exploration activities. Infrastructure work for water treatment and camp maintenance is also underway while the Company is studying larger production scenarios integrating the most recent results and the progress of the ongoing exploration campaign.

The exploration program is continuing to ramp up at Hope Bay, with 136 drill holes totalling 46,658 metres completed from surface and underground during the first half of 2022. Three drill rigs are now operating underground at the Doris deposit, three drill rigs are targeting deep extensions of the Doris deposit from surface and a seventh surface drill rig is operating at the Madrid deposit.

Doris Deposit

During the first half of 2022 at the Doris deposit, three drill rigs operating underground explored extensions of the BTD Extension, BTD Connector, Connector, Central and West Valley zones, and three drill rigs at surface tested deep extensions of the BTD Connector and BTD Central zones.

Selected recent drill intercepts from these zones extensions at Doris are set out in a table in the Appendix and in the composite longitudinal section below.

Drill results continue to demonstrate the excellent potential to grow the Doris deposit at depth below the dike in the BTD Extension and BTD Connector zones, and in the West Valley Zone above the dike to the south.

Drilling in the northernmost portion of the BTD Extension Zone has confirmed that the main hinge zone extends further north. Recent highlights include 20.9 g/t gold over 2.3 metres at 344 metres depth in

hole HDBE22-50888 and 20.9 g/t gold over 3.5 metres at 327 metres depth in hole HDBE22-50886. Follow up drilling is ongoing in this area.

Drilling in the BTD Connector Zone has continued to confirm the northern and southern extensions of the West Limb and has extended the East Limb at depth. Recent highlights from BTD Connector include: hole HBD22-036, which intersected 6.9 g/t gold over 32.2 metres at 495 metres depth, including 25.9 g/t gold over 5.0 metres at 494 metres depth; hole HBD22-030, which intersected 12.2 g/t gold over 7.1 metres at 492 metres depth; and hole HBD22-026, which intersected 20.4 g/t gold over 3.3 metres at 550 metres depth.

Drilling in the West Valley Zone has confirmed the extension of the zone by 77 metres to the south and above the dike, and the zone appears to continue into a gap of drilling immediately below the 210-metre level. Highlights from this drilling include: 25.4 g/t gold over 3.0 metres at 286 metres depth and 21.6 g/t gold over 3.1 metres at 292 metres depth in hole HBDWV22-50979; and 25.2 g/t gold over 3.4 metres at 250 metres depth and 14.1 g/t gold over 3.3 metres at 258 metres depth in hole HBDWV22-50953.

The results further demonstrate the potential to significantly grow the Doris mineral resources to support the development of additional underground exploration drifts and platforms to further confirm the size, shape and grade of these high-grade mineralized zone extensions.

During the second half of 2022 at Doris, work will continue extending the exploration drifts and investigating the deposit from underground and surface drill rigs.

Madrid Deposit

During the first half of 2022 at the Madrid deposit, one surface drill rig was in operation and mainly targeting the inflexion zone in the Naartok East area and the vertical extension of the Suluk zone.

The first result from the 2022 campaign at Madrid was from hole HBM22-040, which was drilled outside the Naartok East inflexion zone and intersected 7.0 g/t over 7.0 metres at 385 metres depth. Results from Suluk are pending.

During the second half of 2022, two drill rigs are planned to be in operation at Madrid targeting the Suluk vertical extension and the Naartok East Zone at greater depth.

The Suluk drilling will follow-up on two historical holes (HB03PMD225 and HBTMMSU-19-00023) that respectively returned 5.6 g/t over 9.0 metres at 540 metres depth and 10.8 g/t over 4.4 metres at 698 metres depth. These two holes are the deepest intersections of the Suluk Zone to date, and the zone remains open in all directions.

The Naartok East "below the dike" drilling will target areas below a barren (non gold-bearing) diabase dike where previous operators had ended their exploration holes. A recent reinterpretation of the geology at Naartok East and Naartok West suggests there is potential for near-surface gold mineralization to continue below the dike in a manner similar to the geological setting at the Doris deposit.

Selected recent drill intercepts from Madrid are set out in a table in the Appendix and in the composite longitudinal section below.

Boston Deposit

The Boston deposit is located 60 kilometres south of the Doris processing facility and is accessible by helicopter support or via a winter trail for supply and has an airstrip for small fixed-wing aircraft.

At the camp, maintenance work is underway to refurbish the various facilities prior to resuming exploration drilling activities in the area in 2023.

The Boston deposit remains open in all directions with one of the best historical results at depth returning 56.6 g/t over 8.8 metres at 1,014 metres depth, demonstrating great potential to expand this high grade deposit further in all directions. There are also several near surface high grade occurrences that have not yet been drilled. Compilation and validation of the historical exploration database at Boston is underway, and the geological and structural models for the deposit will be updated to help generate new drill targets for the 2023 campaign.

Regional field exploration

This year's regional field exploration program began in early June, with geological teams set to evaluate more than 50 showings identified by previous explorers near current infrastructure in the northern portion of the Hope Bay property. The aim of the program is to increase understanding of the structural controls on mineralization and generate regional drill targets.

Exploration Plan and Budget

Based on recent success identifying deposit extensions and discovering new mineralized zones at depth in the Doris and Madrid deposits, the Company has allocated \$24 million of the additional \$30 million in exploration expenditure to continue drilling and development of exploration drifts at Doris in order to accelerate exploration from underground in the high potential areas that will ease future definition drilling for mineral resources conversion and mine development for future production resumption. The Company is now expected to spend approximately \$56 million at Hope Bay in 2022 to develop new exploration drifts and for surface and underground exploration drilling at Doris and for surface exploration drilling on exploration at Madrid and other regional targets along the Hope Bay greenstone belt.

Exploration at Hope Bay is expected to continue through 2023 while larger production scenarios are being evaluated.

NorZinc announces positive developments at Prairie Creek mine project

In August, NorZinc Ltd. (TSX: NZC; OTCQB: NORZF) announced three positive developments on their Prairie Creek zinc (critical mineral), silver, and lead mining project in the western NWT.

Signs Environmental Agreement with Key NWT First Nation Partners

On August 10, NorZinc announced the signing of an Environmental Agreement (the "EA" or "Agreement") with the Naha Dehe Dene Band ("NDDDB") and Łíídlı́ Kúę First Nation ("LKFN") Band for the development and operation of the Prairie Creek Project ("Prairie Creek" of the "Project") and the All-Season Access Road ("ASR") on these local communities' Traditional Territory.

This Agreement builds on the Impact Benefit Agreements ("IBAs") the Company currently has with both NDDDB and LKFN for the mine, the NDDDB Traditional Land Use Agreement ("TLUA"), and the LKFN Road Benefit Agreement ("RBA") for the ASR and establishes the framework for a long-term, mutually beneficial, and cooperative working partnership. The EA formalizes the Company's commitment towards protecting the environment and sacred, traditional lands upon which the Project will be developed while providing for environmental monitoring, review and oversight through the life of the Project. This Agreement combined with the IBAs provides assurance the Prairie Creek Project has strong local First Nations support as the Company continues advancing the Project.

The Naha Dehe Dene Band (“NDDB”) of Nahanni Butte is the nearest community to the Prairie Creek Mine, located approximately 90 kilometres southeast of the mine site. The mine site and route of the ASR are within NDDB’s Traditional Territory. The Łíídlıı Kúę First Nation (“LKFN”) of Fort Simpson are the largest community within the Dehcho Region, Fort Simpson is located about 185 kilometres east of the mine site. The ASR route also crosses the LKFN Traditional Territory.

“We are very pleased to have entered into this agreement with NDDB and LKFN, which reflects our commitment to respect and prioritize the environmental well-being of their traditional and sacred lands that will be home to one of Canada’s next, largest and highest grade critical mineral zinc, silver and lead mine”, said Rohan Hazelton, President & CEO, NorZinc. “The recognition of the traditional lands and rights of First Nations is paramount to the success of Prairie Creek, and we look forward to advancing the Project alongside our partners.”

“The Prairie Creek Mine and the ASR are located entirely within NDDB’s Traditional Territory, directly adjacent to the community of Nahanni Butte. We have the greatest potential for both impacts and benefits from its development. The signing of the Environmental Assessment today is another step towards developing the Mine and ASR responsibly and ensuring that the benefits to NDDB far exceed the impacts on our community,” stated Chief Steve Vital, of the Naha Dehe Dene Band.

Chief Antoine of Łíídlıı Kúę First Nation commented, “It’s important that First Nations play a key role in environmental decision making related to resource development projects occurring in our territories. As signatories of Treaty 11, we never surrendered our land. The Environmental Agreement between Łíídlıı Kúę First Nation, Naha Dehe Dene Band and NorZinc is an important agreement that will ensure our Dene nations retain a strong role in environmental oversight and protection for the Mine and Road. Through an Environmental Committee and our Dene Monitors, we look forward to continuing the important work of being stewards and guardians of our land.”

The signing of this agreement comes at a critical time as the entire executive team and board of directors of the Company are currently in the Northwest Territories visiting both Yellowknife and the Project. During this visit, the NorZinc representatives will be conducting key meetings with local community member representatives and government representatives in Yellowknife, building on relations with the local communities and governing bodies. The group will also be conducting a site visit to Prairie Creek for an update on exploration and development activities currently underway at site.

The Prairie Creek Project will have a significant economic impact on the local communities as well as the Northwest Territories and federal government bringing in total revenue over its lifetime of \$8 Billion with direct territorial and federal government benefits of over \$1 Billion. Benefits of the Project to the local First Nations include \$5M a year in direct transfer benefits, \$100M over the life of the mine, \$330M in business contracts, and \$65M in guaranteed employment. There is expected to be 600 jobs over 3 years during construction and more than 350 jobs during the operating period of 20 years. These benefits follow the Call to Action 92 of the Truth and Reconciliation Report for Indigenous Governments to have access to jobs, training, and education opportunities in the corporate sector and to be actively involved in the decision making for use of traditional territory. No other developing mining project in the Northwest Territories is as advanced as the Mine in this region that will bring these benefits. [Editor’s emphasis]

NorZinc Announces Permitting Milestone for Mine Expansion Operating Permits

On August 11, NorZinc announced it had received the final new Land Use Permit (“LUP”) from the Mackenzie Valley Land and Water Board (“MVLWB”) for mine operations associated with the mine expansion plan of 2,400 tonnes per day (“tpd”), representing a significant milestone in the advancement of the Prairie Creek Project (“Prairie Creek” or the “Project”).

Along with the issuance of the LUP, a recommendation for the final Water License (“WL”) has been sent to the Minister of Environment and Natural Resources (“ENR”), Government of the Northwest Territories (“GNWT”) for approval, representing the last step of the approval of the application process to acquire new mine operating permits. The WL includes an update to the security requirements and the schedule for posting reflective of the 2,400 tpd application. This final WL approval process is subject to an initial 45-day review period by the Minister, who has the option of a one-time extension of this period for a further 45 days.

“This represents a significant milestone for the Company with respect to completing permitting and the advancement of the Prairie Creek Project and indicates the regulatory bodies recognition of the benefits the Project will bring to the region and all stakeholders,” said Rohan Hazelton, President & CEO, NorZinc. “The Company remains committed to the responsible mining at Prairie Creek to deliver the significant economic and social benefits to the local communities who are our partners in this process. We would like to thank the local communities for their continued support throughout this whole process.”

In 2013, following a full Environmental Assessment (“EA”), NorZinc was issued the operating permits for a 1,600 tpd mining operation at Prairie Creek. Full operating permits included a LUP and WL issued by the MVLWB, the only decision making/regulatory body for mine operating permits in the Northwest Territories. In May 2019, the Company was issued with a renewed LUP and WL by the MVLWB without significant changes.

Following the receipt of the renewed LUP and WL, the Company applied for new mining permits to increase the throughput rate from 1,600 tpd to 2,400 tpd. The applications were subject to a preliminary screening, in which it was determined that the changes related to the increased throughput rate did not meet the threshold for an EA amendment, and as a result, the applications proceeded straight to the LUP and WL approval process.

On October 21, 2021, the Company announced an updated Preliminary Economic Assessment for the Prairie Creek Mine based on a 2,400 tpd mining rate. Results included a robust after-tax NPV8% of US\$299 million and an IRR of 17.7% with a life of mine of 20.3 years.

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 Q3 2022.

NorZinc And Acho Dene Koe First Nation Sign Key Transportation Corridor Benefits Agreement

On August 17, NorZinc announced the signing of a Transportation Corridor Benefits Agreement (the “Agreement”) with Acho Dene Koe First Nation related to the transportation of mineral concentrate from the Prairie Creek Project through the First Nation’s Traditional Territory in the Northwest Territories and British Columbia, Canada.

This Agreement sets the basis for the long-term working partnership and benefits for Acho Dene Koe First Nation and its members and its businesses.

Acho Dene Koe First Nation’s Traditional Territory and waters span three jurisdictions: British Columbia, the Yukon, and the Northwest Territories. Its main community is currently settled in Fort Liard. The Concentrate from the Mine will pass immediately by Fort Liard on Northwest Territories’ Highway 7 (commonly referred to as the Liard Highway) and will continue on Provincial BC Highway 77 within the First Nations traditional territory in British Columbia.

Acho Dene Koe First Nation and its economic development corporation (“ADK Holdings Ltd”) will participate in the benefits of the project, particularly through training, employment, business, and contracting opportunities related to the transportation of mineral concentrate.

“We are pleased to be signing this agreement with the Acho Dene Koe First Nation which sets a strong foundation for us to work collectively, ensuring the benefits to its community/members. We would like to thank Chief Gene Hope and both the past and current Councils of Acho Dene Koe First Nation; as well as the directors of ADK Holdings Ltd who continue to support the Project”, said Rohan Hazelton, President & CEO, NorZinc. “The formalization of yet another benefits agreement with our First Nations partners and its economic development corporations demonstrates and solidifies the support and recognition of the positive impacts of the Project in this northern region and brings us one step closer to moving Prairie Creek forward.”

“Acho Dene Koe First Nation is excited to finalize the negotiations NorZinc, the agreement reached comes after two years of discussions and it achieves the mandate set by the Council of Chief Hope and carried-forward by the current council. Our Council would like to thank the efforts of our negotiating team in achieving this positive result in supporting economic opportunities, as well as, providing of capacity to our First Nation with direct community support for education, training, and community harvesters and events for the future, said Sub Chief Brenda Berreault”

“As the Chairperson for ADK Holdings Ltd, this is a momentous opportunity. The ore transportation opportunity and the formation of a new company will help to position the economic development corporation for the future in employment, business opportunities, and economic growth that has not been seen since the days of when oil and gas was at its height. We look forward to working with NorZinc in advancing this opportunity, said Boyd Clark, Chairperson, ADK Holdings Ltd.”

About NorZinc

NorZinc is a TSX-listed mine development Company trading under the symbol “NZC” and on the OTCQB under the symbol “NORZF”. NorZinc is focused on developing its 100%-owned high-grade zinc-silver-lead Prairie Creek Project, located in the Northwest Territories.

Mountain Province Diamonds Announces Q2 and Half Year 2022 Results

On Aug. 9, Mountain Province Diamonds Inc. (“Mountain Province”, the “Company”) (TSX: MPVD) (OTC: MPVDF) announced its financial and operating results for the second quarter (Q2 2022) and first half 2021 (“H1 2022”) ended June 30, 2022. All figures are expressed in Canadian dollars unless otherwise noted.

Second Quarter 2022 Key Takeaways

- Record Quarterly Adjusted EBITDA of C\$55.1M
Revenue of \$97.8M representing the second highest quarterly revenue in the Company's history and a 16% increase relative to that achieved in Q1 2022
Strong average value per carat of US\$130 follows closely to the unprecedented price growth during the Q1/22. The rough diamond market continues to experience strong demand supported by solid US retail results. Further support to the market is anticipated from jewellery retail in China as Covid restrictions ease in that country.
- Repurchase for cancellation of approximately US\$26.4 million aggregate principal amount of the 8.000% Senior Secured Second Lien Notes following the close of the fiscal quarter

- A successful winter exploration program included further drilling of the Hearne Northwest Extension at the Gahcho Kué mine. Results included Kimberlite intersected in 60% of drill holes with mineralization ranging between 24.3 to 114.5 meters (see press release, July 18, 2022).

Mark Wall, the Company's President and Chief Executive Officer, commented:

"The Company continues its' strong financial performance through the first half and into Q3 of 2022. We are pleased with these financial results. At the same time there remains work to do on the operations side. There are plans in place to correct the dilution issues seen early in the year, and these are working. Significant work has recently been completed on the primary crusher and I expect these upgrades to have a positive impact. There remain other areas of the operational performance that do not meet our expectations and we continue to actively engage with De Beers as the operator around the plan to deliver these improvements.

Together with our increased revenues, our recent repurchasing of Senior Secured Second Lien Notes has strengthened our balance sheet as we move closer to achieving our strategic and financial goals planned for the second half of this year."

Read the detailed release [here](#).

Gahcho Kué Mine uncovers Exceptional 151 Carat Coloured Gem Diamond

On Aug. 31, Mountain Province Diamonds announced the upcoming sale of an exceptional, coloured large rough diamond recovered from the Gahcho Kué mine, located in Canada's Northwest Territories.

The diamond, a 151.60 carat octahedron of exceptional clarity will be offered for sale alongside a selection of more than 90 individual special rough diamonds recovered from the Company's Canadian Diamond mine. The upcoming sale represents the largest offering of +10.8 carat gem quality diamonds offered by the Company to date.

Reid Mackie, the Company's Vice President Diamond Marketing commented:

"This important diamond represents a clear example of the Gahcho Kué Mine's ability to consistently recover high quality gems of exceptionally large size. These gems are highly coveted by collectors around the globe not only for their beauty but increasingly, for their Canadian origin."

Viewing of the offered diamonds will take place during Mountain Province's September sale being held at Bonas Group's offices in Antwerp, Belgium from Monday September 5th to Friday, September 16th, 2022. Also included in the offering are the Company's customary run-of-mine assortments.

Mountain Province's Gahcho Kué Mine is located at the edge of Canada's Arctic Circle. From the start of production in late 2016 the mine has established itself as a regular source of exceptional, gem quality, large diamonds.

Interested buyers are advised to contact Bonas-Couzyn on +32 (0)3 233 70 80 to arrange an appointment.

About the Company

Mountain Province Diamonds is a 49% participant with De Beers Canada in the Gahcho Kué diamond mine located in



Exceptional 151.60 carat octahedron discovered

Canada's Northwest Territories. The Gahcho Kué Joint Venture property consists of several kimberlites that are actively being mined, developed, and explored for future development. The Company also controls 106,202 hectares of highly prospective mineral claims and leases that surround the Gahcho Kué Joint Venture property that include an indicated mineral resource for the Kelvin kimberlite and inferred mineral resources for the Faraday kimberlites.

Check out cool time lapse for Gahcho Kue development [here](#).



Gahcho Kué mine site.

Osisko Metals Files Positive Pine Point Preliminary Economic Assessment (PEA)

On Aug. 29, 2022 Osisko Metals Incorporated (TSX-V: OM; OTCQX: OMZNF; FRANKFURT: 0B51) announced that further to its news release dated July 13th “Osisko Metals Releases Positive Update for Pine Point PEA”, it has filed by today the associated National Instrument 43-101 (“NI 43-101”) technical report for its wholly-owned Pine Point Project (the “Pine Point Project” or the “Project”), located near the town of Hay River in the Northwest Territories, Canada. The report, entitled “Preliminary Economic Assessment for the Pine Point Lead-Zinc Project” (the “Report”) is dated effective July 11, 2022.

The Report was prepared in collaboration with independent engineering firms BBA Inc., WSP Canada Inc., & Hydro-Resources Inc. (“HRI”).

The objective of the 2022 PEA Update was to integrate updated long-term prices for zinc and lead, increased mined resources, cost escalations in CAPEX and OPEX, and reduced life-of-mine water management costs resulting from the recently completed hydrogeological model. As previously reported, the latter reduced the estimated dewatering volume by 30% compared to the 2020 PEA with the potential for a further forecasted reduction of 15% as the project advances to feasibility.

A copy of the Report can be found at www.sedar.com. A summary and key highlights are listed below, including non-material edits from the July, 13th, 2022 news release.

Table 1: PEA Highlight Results (all figures in CAN\$ unless otherwise noted) *

After-Tax Internal Rate of Return ("IRR")	25%
After-Tax Net Present Value ("NPV") (Discount Rate 8%)	\$602M
After-Tax Payback Period (Years)	3.8
Pre-Production CAPEX (including \$106.6M Contingency)	\$653M
Average Annual LOM Production Zinc	329Mlb
Average Annual LOM Production Lead	141Mlb
Life of Mine ("LOM")	12 Years
Total Mineral Resources Mined	46.9Mt
Average ZnEq Diluted (12%) Grade of Mineral Resources Mined	5.9%
Gross Revenue After Royalty (LOM)	\$7,623M
After-tax Operating Cash Flow (LOM)	\$2,754M
C1 Costs over LOM (ZnEq)**	US\$0.61/lb
All-In Costs (including sustaining CAPEX, ZnEq)***	US\$0.80/lb
LOM Zinc Price	US\$1.37/lb
LOM Lead Price	US\$0.97/lb
FX Rate (CAD:USD)	1.27

* See Cautionary Statement below

** C1 cost includes mine site cost plus smelting, transport and royalty

*** All-in costs are C1 plus sustaining CAPEX

Hydrogeology Highlights:

- This is the first time a hydrogeological Site Wide Numerical Model ("SWNM") has been used for the Pine Point Project, providing insight into dewatering requirements.
- The new Cluster mining strategy in combination with the hydrogeological modelling reduced dewatering estimations by 30% on an annual basis for various key Operating and Sustaining Capital Expenditures directly associated with dewatering when compared to mining the open pits individually.
- Current data suggests that there is potentially an additional reduction of up to 15% beyond the current simulation estimates.
- Ongoing modelling will further optimize the LOM plan strategy to pump less water, use less energy, and continue to reduce dewatering costs. This also means reduced NG-generated power requirements, and less GHG emissions for a smaller footprint.
- Further optimization of the SWNM and the LOM plan will be a main objective of the feasibility study.

Mineral Resource Estimate (MRE) Highlights:

- Indicated Mineral Resource: 15.8Mt grading 4.17% Zn and 1.53% Pb representing approximately 25% of the declared tonnage in the updated 2022 MRE
- Inferred Mineral Resource: 47.2Mt grading 4.43% Zn and 1.68% Pb
- Indicated and Inferred Mineral Resource tonnages increased by 22% and 26%, respectively
- The differences in tonnage/grade between the 2020 and 2022 MRE are attributable to parameter changes used for the pit shells and the cut-off grade calculation.

- The feasibility study will include drilling from 2019 until the end of the drill campaign in H1 2023. This drilling will aim to upgrade the Inferred Resources to the Indicated category for the feasibility study MRE.

2022 PEA Update – Detailed cost breakdown

The increase in pre-production CAPEX relative to the 2020 PEA is largely due to a 12% inflation factor, nominally natural gas (“NG”), steel and concrete. Sustaining CAPEX has also increased over the LOM as the mine life was extended by two years. The Company also initiated the use of the Deswik mining software in order to facilitate running various LOM plans, balancing between realizing the benefits of using the Cluster mining strategy, that groups open pit mines in close proximity, to reduce dewatering volumes for the overall Life of Mine (“LOM”) and provide a more accurate operating cost compared to the 2020PEA

Table 2: LOM Capital Cost Summary (in C\$M)

Cost Area	Pre-Production Capital Costs (\$M)	Sustaining Capital Costs (\$M)	Total Capital Costs (\$M)
General Administration (Owner's costs)	22.8	0.0	22.8
Underground Mine	0.0	183.3	183.3
Open-pit Mine	15.7	80.6	96.3
Electricity and Communications	45.7	19.3	64.9
Site Infrastructure	59.7	11.8	71.5
Process Plant	297.3	0.0	297.3
Tailings, Mine Waste and Water Management	47.7	123.6	171.3
Indirect Costs	76.6	0.0	76.6
Contingency	87.8	23.7	111.5
Capitalized Operating Costs	0.0	174.5	174.5
Total	653.3	616.8	1270.1
Site Reclamation and Closure	0.0	68.0	68.0
Salvage Value	0.0	-19.6	-19.6
Total - Forecast to spend	653.3	665.1	1318.5

Sensitivity

The Pine Point Project is expected to be a robust, profitable operation at a variety of prices and assumptions. Metal prices used in the 2022 PEA Update study are based on weighted two-year moving averages, hence \$1.37/lb zinc and \$0.97/lb lead.

Under more bullish scenarios, especially when considering record low inventory levels and continued lack of investment in the zinc production space, the Project demonstrates even stronger economic returns and is well-positioned to benefit from a higher zinc price. At long term US\$1.50/lb zinc, \$1.00/lb lead and FX 1.25, the Project returns an NPV of C\$787M with an IRR of 29% on an after-tax basis.

A lower commodity pricing scenario was also modeled using US\$1.30/lb zinc, \$0.95/lb lead and FX 1.29). Even at lower prices, Pine Point would still generate a robust NPV of C\$526M and IRR of 23% on an after-tax basis.

Table 3: Operating Costs

Mining Costs (per)	\$/Tonne Mined
Surface*	\$3.36
Underground - West Zone**	\$40.01
Underground - Central Zone**	\$52.07
Processing Costs	\$12.27
Power Operating Cost	\$4.61
G&A Costs	\$8.11

*LOM Average and inclusive of ore, overburden and waste rock

**Inclusive of transport to the mill

Sixty North Gold Defines a Large IOCG Target on the Mon Property

On September 6, Sixty North Gold Mining Ltd. (CSE: SXTY) (FSE: 2F4) (OTC Pink: SXNTF) reported that recent work has defined the 3.2 km by 0.6 km alteration zone on its Mon Property as an Iron Oxide Copper Gold (IOCG) deposit. Petrographic work on a sample from the coincident large magnetic low and intensely hydrothermally altered rocks, together with a comprehensive review of the geochemistry of samples collected from this unit, characterizes the target.

Dr. Webb reports, "We are very excited to make this game-changing discovery, adding a very valuable and sought-after target class to our company. 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. This is a virgin, grass-roots discovery outlining a very large prospective target that was discovered by our team using standard exploration methodology. Additional geophysical and geochemical targets remain untested and will be reviewed by crews currently mobilizing to the property. We anticipate finding other potentially economic zones within the large target area."

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."

Mapping and prospecting of a 1.5 km portion of the zone reveals that the very large hydrothermally-altered unit had been incorrectly identified as a gabbro by government and company geologists over the past 80 years. Petrographic report by Ultra Petrography and Geoscience Inc. on a sample submitted this year shows it to be a strongly altered unit composed of xenoblastic albite with quartz and hematite with accessory minerals including chlorite, biotite, and minor sulphides and oxides (each <0.5%). This albite has a geochemistry that has P2O5 values up to 5.91% (average 3.02%), Na2O values up to 4.26% (average 2.90%) with total rare earth oxides (TREO) of 0.09%.

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
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Note: Grab samples are selective and do not represent average grades of the showing. The 31958xx series of samples were collected through snow cover in January of this year. They were prepared and analysed by ALS Global, an independent certified laboratory using High-grade four acid digestion (MEICP61a) and ICP AES analysis. Blanks and standards reported acceptable results.

Additional targeted mapping and prospecting will examine other exposures of this IOCG target, focused by our 2018 Geotech VTEM Plus © survey.

Dr. D.R. Webb, Ph.D., P.Geol., P.Eng. is the Qualified Person within the meaning of NI 43-101 and is responsible for the technical details of this release.

About Sixty North Gold

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.

Blue Star Gold Provides Exploration Program Update

6.52 g/t Gold Over 17.4 Metres Intersected at Flood Zone

On August 17, Blue Star Gold Corp. (TSXV: BAU) (FSE: 5WP0) (OTCQB: BAUFF) announced an update on its multi-prong exploration program across the Company’s highly prospective Ulu, Hood River, and Roma projects located in the Kitikmeot Region of Nunavut. Exploration activities covered by this update include drilling at the Flood and Gnu Zone, a regional geochemical survey on the Roma Project, and initial pipeline prospect reviews.

Highlights:

- DD22-FLO-001 returned 6.52 grams/tonne (“g/t”) gold over 17.4 m, including 9.96 g/t gold over 6.3 m starting at 4.40 m downhole, and 7.62 g/t over 3.0 m and 19.80 g/t over 0.50 m.
- At the Gnu (Nutaq) Zone DD22-MIQ-002 intersected 2.51 g/t over 3.0 m from 137.4 m.
- A regional sampling program on the Roma Project has collected and analysed 936 samples, representing approximately 50% of the planned program. Eight anomalies crossing at least two till lines are in the process of additional sampling and prospecting.
- Eight additional drill holes have been completed in the Gnu Zone target area and four drill holes have been completed at the Central-C target with samples shipped and assays pending.
- Final deliverables from Precision GeoSurveys have been received and are being utilized by the field team as an additional data layer in the pipeline target reviews.

Exploration Program Progress Summary

The Company has completed approximately 2,500 metres of drilling and intends to complete an additional 1,000 metres. The drilling has focussed on the Gnu Zone area and the Flood Zone with some additional tests on nearby targets. The exploration team has also made significant progress on field reviews of the extensive pipeline of prospective targets and expects to allocate some drill meters to at least one target by the end of the program.

A regional geochemical sampling effort is progressing on the Roma project with over 900 samples collected. Final deliverables from Precision GeoSurveys Ltd have been received and are currently in the process of data interpretation and are being used in the field. These airborne magnetometry surveys cover almost the entirety of Blue Star's landholdings in the High Lake Greenstone Belt.

Darren Lindsay, Blue Star's VP Exploration stated: "I am encouraged to see that our regional and prospect level work is generating new targets to drill evaluate in future programs. Our pipeline has been very bottom heavy and with this work we will see key targets moving up to the drill ready stage."

See [full release](#) for Discussion of results.

Major new copper discovery at the Storm Project, Canada

[Editor's Note: The news by American West is also virtually mirrored by project partner Aston Bay Minerals, and we encourage readers to follow both companies' releases.]

- Exploration drill hole ST22-10 has intersected over 68m of stratiform copper sulphide mineralisation from 277m downhole
- The discovery is associated with a 800m x 300m electromagnetic (EM) plate, with six other similar large EM plates yet to be tested
- This new style of mineralisation at Storm is evidence of a major copper system at depth

On August 23, American West Metals Limited (ASX: AW1) announced a major copper discovery at the Storm Copper Project on Somerset Island, Nunavut, Canada.

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

"This is a game changing discovery at the Storm Copper Project. Exploration drilling has intersected stratiform copper sulphide mineralisation at depth which supports our geological assumptions that there is a major copper system lying below the high-grade near surface mineralisation.

"The new copper mineralisation is associated with a large EM plate that is one of six untested plates, most of which are located in highly prospective positions – below or adjacent to the known high-grade copper prospects and fault system.

"The importance of this discovery for the project cannot be overstated, as it has hugely positive implications for the copper endowment within the project area.

"We look forward to reporting on further drilling results in the coming days."

Then, on September 1, American West announced outstanding first assay results for the diamond drilling program by the Company at the Storm Copper Project, including:

41m at over 4% copper intersected at Storm, Canada

- Drill hole ST22-05 from the 2750N Zone has intersected:
 - 41m @ 4.18% Cu from 38m downhole, including;
 - 15m @ 10.05% Cu from 47m downhole, and including;
 - 5m @ 24.28% Cu from 48m downhole
- Further assays for Storm are pending with more results expected in the coming days

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

"Assays for drill hole ST22-05 – the first assays to be received for drilling in the current program – have returned spectacular copper grades over very significant thicknesses.

“These results immediately validate the historical high-grade intersections within the 2750N Zone, and highlight the quality of the Storm mineral system. These kind of grades and thicknesses are exactly what we want to see as we work to define a shallow high-grade copper resource.

“The 2750N Zone is currently over 200m long and still open along strike and at depth, with excellent potential for further drilling to significantly expand the high-grade mineralisation.

“Further results for this year’s drilling are imminent and we look forward to reporting these soon.”

Drill Hole ST22-05 Details

ST22-05 was drilled to a downhole depth of 89m and is one of eight drill holes completed to date in the 2022 drill program that were designed to determine the resource potential of the shallow 2750N Zone.

Forward Program

Work will continue to progress the near-surface mine development and exploration/discovery paths for the Storm Project in parallel.

Further diamond drilling is planned to expand the 2750N Zone, and to define initial resources at the 4100N and 2200N Zones, where high-grade copper mineralisation has been intersected in historical drilling.

Exploration activities including drilling and geophysics are also planned to follow-up the significant new discovery of sediment hosted style copper mineralisation, which is associated with a large EM anomaly to the west of the previously recognized and highly mineralised 4100N Zone (see our ASX Release dated 23 August 2022 - Major Copper Discovery at Storm).

Beneficiation and metallurgical test work will soon commence on drill core from this year’s program.



Massive and fracture-fill bornite and chalcocite from approx. 50m downhole in ST22-05.

The aim of this work is to create a definitive flow sheet for a direct shipping ore (DSO) operation from the 2750N Zone mineralisation. Previous test work on Storm drill core has produced a >53% copper DSO product using a full scale ore sorter and with no further processing or optimisation (see our ASX Release dated 11 April 2022 – Over 53% Cu Direct Shipping Ore Generated at Storm Copper).

Investors can expect further news as the laboratory assays for the remaining drill holes are received over the coming days and weeks.

Read full release [here](#).

American West raises \$2.7 million

Earlier in the month, on August 1, American West announced that firm commitments were received from institutional, sophisticated and professional investors for the Company’s full placement capacity to raise \$2.7 million. Proceeds to be used to progress high-quality copper and zinc projects in North America including:

- Continued exploration activities at the Company’s Storm, West Desert and Copper Warrior Projects
- Completion of a JORC 2012 compliant Mineral Resource Estimation at West Desert during H2 2022
- Metallurgical test work at West Desert, and further beneficiation and DSO studies at Storm

American West Metals Limited (“American West” or the “Company”) (ASX: AW1) is pleased to announce that it has completed a private placement to institutional, sophisticated and professional investors to raise new funds to advance its high-quality copper and zinc projects in the USA and Canada.



Drilling underway on drill hole ST22-02 at the 2750N Zone, Storm Copper Project (Looking west)

Nighthawk Gold Completes 2022 Exploration Drilling – first assays reported

On August 25, Nighthawk Gold Corp. (TSX: NHK; OTCQX: MIMZF) reported the completion of its 2022 Exploration Program drilling ahead of schedule. The Company has drilled 40,085 metres (“m”) with the primary goal of expanding the near-surface known mineralization on its district-scale property in the Northwest Territories, Canada. Assay results are pending for approximately 30,000 m of drilling from the Colomac Centre area (Colomac Main, Grizzly Bear, and 24/27 Deposits) and the Kim and Cass Deposits. Nighthawk is currently conducting an airborne electromagnetic geophysical surveying program on its property. The Company has also commenced baseline environmental work at the Colomac Centre as part of the work needed for its permits.

Keyvan Salehi, P.Eng., Nighthawk President & CEO, commented, “We are pleased to complete this year’s drill season ahead of schedule, while maintaining the safety and security of our site personnel without any lost time injuries. We are very pleased with the drill assay results received so far. We look forward to updating the markets on the pending assay results once we have received and analyzed them. We are also completing a geophysics program, which will provide us with important information that will guide our future exploration programs. Currently, we anticipate being well-funded for next year’s exploration program.”



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

On September 1, Nighthawk reported additional drill assay results from its 2022 Exploration Program, with encouraging results from the Grizzly Bear Deposit and 24 and 27 Deposits (collectively, the “24/27 Deposit”) within the Colomac Centre Area.

Table 1 – Highlight Drill Assay Results from the 24/27 and Grizzly Bear Deposits

Hole ID	Deposit	Highlight Assay Result
TFS22-10	24/27	2.91 grams per tonne (“g/t Au”) over 54.35 metres (including 16.28 g/t Au over 2.00 m)
TFS22-08	24/27	2.52 g/t Au over 40.75 m (including 5.07 g/t Au over 18.75 m)
TFS22-27	24/27	4.14 g/t Au over 7.75 m (including 34.40 g/t Au over 0.50 m)
GB22-31	Grizzly Bear	3.02 g/t Au over 20.25 m (including 22.69 g/t Au over 1.00 m)
GB22-29	Grizzly Bear	1.41 g/t Au over 21.50 m (2.50 g/t Au over 10.25 m)

Note: True widths remain undetermined at this stage. All assays are uncut. Further statistical analysis will be required prior to establishing a suitable cut grade.

Nighthawk President & CEO Keyvan Salehi commented, “The latest drill results, combined with results released previously from Grizzly Bear1 and 24/27 Deposits, demonstrate the immense potential for mineral resource expansion within the Colomac Centre.”

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 Centre and Satellite deposits currently has a Mineral Resource Estimate¹ 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. 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.

Read full release [here](#).

StrategX Elements Corp. Announces up to \$1.5M Private Placement

On August 31st, **StrategX Elements Corp.** (CSE: STGX) announced it intends to complete a non-brokered private placement to raise gross proceeds up to \$1,500,000. The Offering will be comprised of a combination of (i) flow-through common shares (each an "FT Share") to be sold at \$0.35 per FT Share, and (ii) non-flow-through units (each an "NFT Unit") to be sold at \$0.30 per NFT Unit. Each NFT Unit will be comprised of one non-flow-through common share and one-half of one common share purchase warrant, with each whole warrant entitling the holder to purchase one non-flow-through common share of the Company for \$0.45 per share for a period of three years. The exact number of FT Shares and NFT Units sold will be determined at closing.

The Units and FT Shares will be offered to qualified purchasers in reliance upon exemptions from prospectus and registration requirements of applicable securities legislation. A finder's fee may be paid to eligible finders in relation to this financing, subject to compliance with applicable securities laws and the policies of the Canadian Securities Exchange.

The Units and FT shares will be subject to a four-month-and-one-day hold period under securities laws in Canada. The gross proceeds received from the sale of the FT Shares will be used to incur Canadian exploration expenses on its projects in Nunavut and Northwest Territories before December 31, 2023. The Company will renounce qualifying expenditures to subscribers of FT Shares for the calendar year ending December 31, 2022. The net proceeds received from the sale of the NFT Units will be used for general working capital.

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 focused on the discovery of cobalt and associated energy transition metals in northern Canada.

StrategX has a portfolio of 5 stand-alone projects located on the East Arm of the Great Slave Lake, Northwest Territories and the Melville Peninsula, Nunavut. The Company's first-mover property position in underexplored regions provide 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 Metals Options Brownfields Critical Minerals Project at 60th Parallel, NT

On August 16, Rover Metals Corp. (TSXV: ROVR) (OTCQB: ROVMF) (FSE:4XO) announced that it has signed a letter of intent to option a 90% ownership interest in the Indian Mountain Lake Volcanic

Massive Sulphide project, NT, Canada. The Indian Mountain Lake Project, is the Company’s first district scale land package, representing approximately 30,000 acres of greenstone belt. The project has a historical Zinc-Lead-Silver-Copper geological resource.

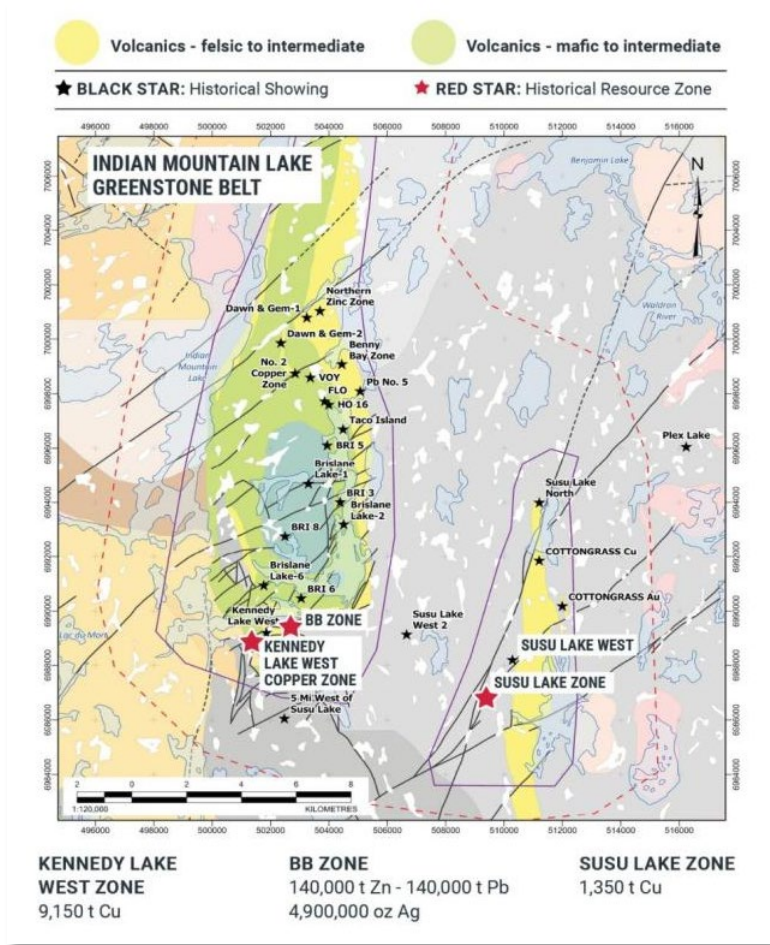
Indian Mountain Lake VMS Project

The Indian Mountain Lake VMS Project has had exploration dating back to the 1940’s 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 1970’s. 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 Tech 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 approved by Gary Vivian, M.Sc., P.Geo., QP for the purposes of NI 43-101.



Judson Culter, CEO at Rover Metals, states “we believe the Indian Mountain Lake VMS Project has the potential to be a Tier 1 Zinc and Copper project. The historical resource represents only 3% of the total land package. The blue sky on the remaining 97% of the greenstone belt is: (1) for additional zinc resources and; (2) a significant new copper discovery. Historical workings also document the presence of

copper-gold skarn systems. The historic zones are open along strike and below a vertical depth of 150 meters.

In Canada, Zinc and Copper are on the Federal Government's Critical Minerals List, and part of the Canadian Government's Critical Minerals Strategy. As a result, the project qualifies for the 30% critical mineral flow-through investor tax credit.

Management of the Company also remain committed to the further development of its gold projects, and hope to be able to provide a news release about the Cabin Gold Project in the coming weeks."

Map of Indian Mountain Lake Greenstone Belt

Vital makes board and senior management changes

Vital strengthens Board with appointment of two Directors

On August 10, Canada's first rare earths producer Vital Metals Limited (ASX: VML | OTCQB: VTMXF) announced the appointment of Mr Richard Crookes and Mr Paul Quirk as Non-Executive Directors, following completion of Tranche 1 of a A\$45 million Placement announced on 1 August 2022.

Highlights

- Richard Crookes and Paul Quirk appointed as Non-Executive Directors on Vital's Board
- Mr Crookes and Mr Quirk are nominees of Lionhead Resources Fund LP (LHR), which committed A\$30 million as part of Vital's recent A\$45 million targeted Share Placement
- LHR's Russell Bradford appointed to the new Technical Advisory Committee
- Appointments and Placement signal Vital's transition from rare earths exploration and development to production and operations.

Read details on each of the directors in the full release [here](#).

Vital announces Board and Management Changes

On August 31, Vital Metals advised that it has terminated the consultancy agreement between Atkins Projects and Infrastructure Pty Ltd and the Company and that Geoff Atkins will cease as Managing Director of Vital Metals, effective immediately and Russell Bradford will become interim CEO.

Mr Bradford recently joined Vital's new Technical Advisory Committee following Lionhead Resources' A\$30 million investment as part of Vital's A\$45 million targeted Share Placement.

Vital has commenced the search for a new Managing Director/Chief Executive Officer.

Vital Chairman Evan Cranston said: *"The Company is continuing to develop its rare earths' assets in Canada, with the goal of becoming Canada's first rare earth producer in a time where diversification of supply is critical and essential. We are pleased that following our recent capital raising we are well funded to achieve this goal.*

"We are pleased to have the ability to appoint a candidate of Russell's experience, with a track record of delivering projects on time and on budget, as an interim measure until we find a suitable candidate to fulfill our CEO role. We have commenced the search for a suitably qualified candidate and look forward to advising the market in due course."

Mr Bradford is a metallurgist with more than 30 years of project management and operational experience in the mining sector. He is a partner at Lionhead Resources where he is primarily responsible for conducting and undertaking technical due diligence on mining projects and providing portfolio

company oversight. He has worked in executive leadership positions in operational and project development and has played a key role in successfully developing and building projects for listed mining companies globally.

The material terms of Mr Bradford’s appointment are a contractor fee of A\$30,000 per month and a three-month contract term (extended monthly thereafter until a new CEO is appointed).

Gold Terra Starts Summer Drilling; Con mine updates; high grade Mispickel

Gold Terra Starts Summer Drilling; Updates Multiple Mineralized Zones, Con

On August 3, Gold Terra Resource Corp. (TSX-V:YGT)(Frankfurt:TX0)(OTCQX:YGTF) announced the start of the summer drilling program as well as the remaining assay results on the Campbell Shear winter drilling program designed to test the Campbell Shear along strike south of the former producing Con Mine and at depths of approximately 1,000 metres at 200-metre drill spacing. High-grade gold mineralization was intersected in multiple targeted zones as per the results below, which include new assay results for hole GTCM22-039, an initial hole drilled at Yellorex North.

Intersection highlights from the 2022 winter drilling program:

Zone	Drill hole number	Intersection	Vertical Depth	Comments
Yellorex	GTCM22-040	8.00 g/t Au / 11.00 m	-260m	50mx50m infill
Yellorex North	GTCM22-039	3.31 g/t Au / 6.00m	-268m	First hole in area
Y-88 Zone	GTCM22-037	1.60 g/t Au / 14.57m	-1,170m	DH Y-88 = 13.59 g/t Au / 5.3m
Con Shear	GTCM22-029	3.61 g/t Au / 4.55m	-37m	Near surface

Chairman and CEO, Gerald Panneton, commented, "The 2022 winter drilling program results along the southern extension of the Campbell Shear shows multiple mineralized zones which demonstrate great potential for additional ounces on the Con Option Property. We have now completed 22,491 meters of drilling on the Campbell Shear since September 2020 and as we are working on a mineral resource update for early Q4 2022, the Campbell Shear remains our focus and the best target on our properties."

2022 Summer Drilling Program

Drilling on the Campbell Shear will continue this summer to follow-up on the winter program's positive results. Drilling will continue to test the Y-88 Zone with 50-metre spaced wedges drilled from hole GTCM22-037, which intersected strong alteration and gold mineralization indicative of proximity to high-grade lodes. The planned wedges off GTCM22-037 are designed to test both strike and dip extensions of those lodes. The summer drilling program commenced in mid-July, 2022. Compilation of assay results from the drilling indicate possible mineralized trends as shown in **Figure 1** that will be tested further in the summer drilling program:

2022 Winter Drilling Program Summary

Fifteen (15) diamond drill holes were completed for a total of 8,327.96 metres between January 20 and May 13, 2022. Four gold targets were tested: Yellorex Main (6 holes), Yellorex North (1 hole), Campbell Shear/Con Shear (6 holes), and Y-88 Zone (2 holes) which tested the Campbell Shear at a depth below 1,000 metres where historic drill hole Y-88 intersected high-grade gold mineralization.

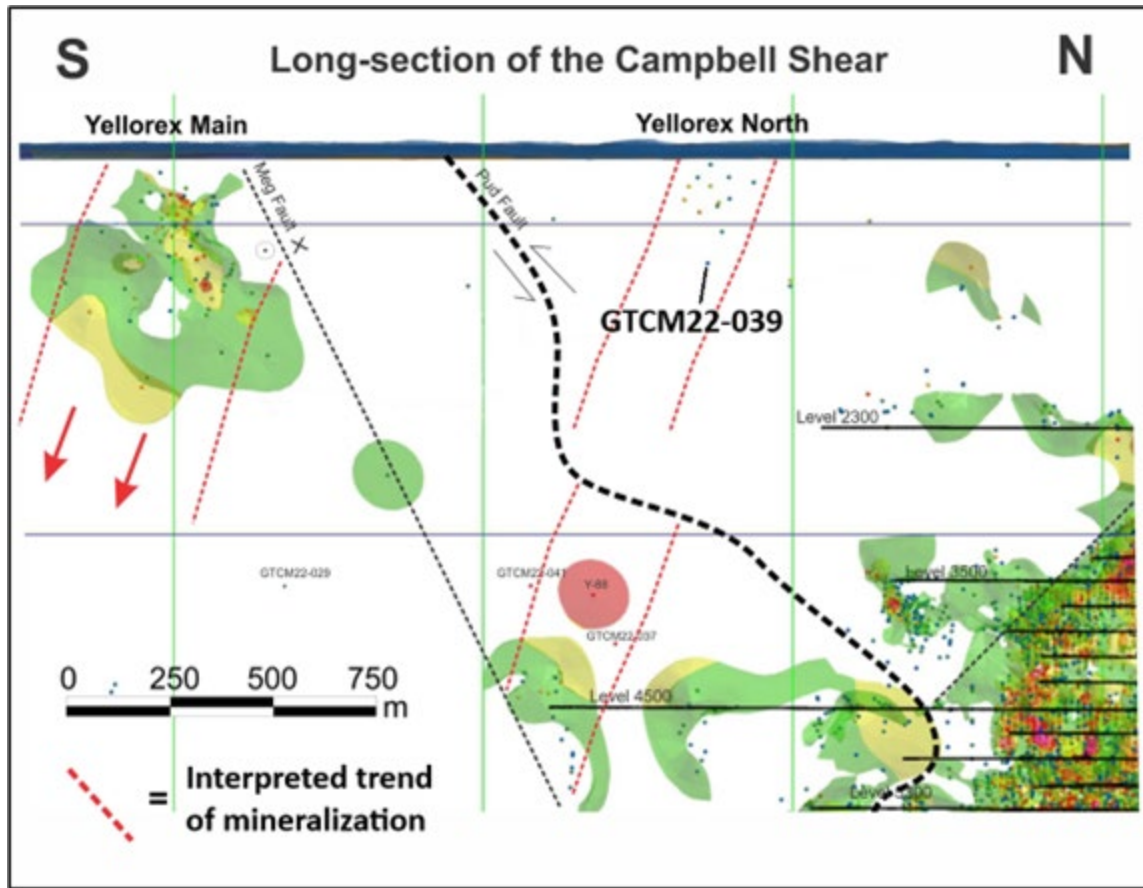


Figure 1 - Campbell Shear Interpreted Trends of Gold Mineralization

See [full release](#) for details, including results from Yellorex North, Campbell Shear/Con Shear, and Y-88 Zone.

Gold Terra Confirms High-Grade Intersection of 9.36 g/t Au over 3 Metres in Winter Program of Mispickel area

On August 25, Gold Terra announced final assay results for all 19 drill holes totaling 6,011 metres drilled in the Mispickel area, including a higher-grade re-run assay for hole GTWL22-004 with reported visible gold (VG) and assays results for the remaining eleven (11) holes of the program. The 2022 drilling program has successfully extended gold mineralization in the Mispickel area with the addition of two new gold zones, MP-Ryan and Zone 14. Gold Terra plans to return to the area next winter with more drilling to infill and extend the three high grade zones identified to date. The Mispickel area, and multiple high grade zones are open in all directions.

Chairman and CEO, Gerald Panneton, commented, “The Mispickel area now has two additional new high-grade gold zones located north and west of the original main Mispickel area. The Mispickel area is strategically situated 20 kilometres north of Yellowknife and complements our flagship Con Mine Option Property where we are currently drilling at depth along the Campbell Shear south of the Con and on which an updated mineral resource estimate will be provided in September.”

Drilling Results

A summary of drill results for all 19 drill holes are shown in Table 1 below. New assay results are shown for holes GTWL22-001, 009 to 013 and 015 to 019. Previously released holes include GTWL22-002-008 and 014 with one new updated re-run assay for GTWL22-004.

See full release [here](#) for more details.

Circularity In Action at Snap Lake Closure Project, NWT

Story courtesy De Beers, 29 Aug 2022

De Beers Group is putting the principles of the circular economy into action at the Snap Lake Mine closure project in northern Canada.

So far this year alone, hundreds of tonnes of equipment that would otherwise have been scrapped and placed into a landfill have been diverted for resale and reuse. This is being done in partnership with the site closure contractor, MET/Nuna, and Lenmark Industries, a Langley, British Columbia company that specializes in reselling used industrial equipment.

Recovering used equipment is especially challenging at Snap Lake, which is about 400 km by winter road from Yellowknife and 1,800 km from Edmonton.

The Lenmark team lead by Jasyn Hiller, has been active at the site since February, first to remove the six diesel generators and associated powerhouse equipment (pictured here) and later to remove equipment from the process plant, ranging from pumps to electrical distribution equipment, the crushers, vibrating screen decks, conveyor drives and other items.

The powerhouse equipment was removed from the mine on this year's winter road and the other items are being preserved and staged to be flown off or transported from site on the 2023 winter road.

"People want to see industry work in a responsible way – and if there's something of value, throwing it into a landfill is not the right thing to do," said Mark Buhler, President of Lenmark. He and partner Leonard Buhler formed the company six years ago and it has quickly grown into an industry leader in Canada, doing business around the world.

This is not the first time surplus equipment from Snap Lake has been diverted from being scrapped. The mine entered extended care and maintenance in 2015, and when the decision was made to close the mine in 2017, about \$30 million worth of mobile equipment, tools and other material was auctioned off.

In addition, in February of this year, a wing of 36 dormitory rooms was moved to Gahcho Kué Mine, where the modules are being reassembled and renovated for use.

"Wherever possible, we're looking at opportunities to improve how we close the mine and eliminate avoidable waste," said Michelle Peters, Snap Lake Mine Closure Manager.

That will include bringing representatives from nearby NWT Indigenous communities to identify equipment and other surplus items that could be donated or sold for reuse.

The Snap Lake closure initiative is building on a recycling program at the company's Victor Mine in Northern Ontario. There, De Beers worked with site closure contractor WFP Golder. Attawapiskat Enterprises and Priestly Demolition to remove recyclable materials this year and in 2023. In total more than 500 truckloads of recyclable material are expected to be removed from Victor Mine site for resale, with proceeds intended to support community development projects.

As well, more than \$25,000 worth of surplus equipment was donated to Attawapiskat during early 2022 and other items are being sold in an auction. The Attawapiskat First Nation has first right of refusal on available surplus assets and will have another opportunity to identify additional items in 2023. An auction of surplus Victor Mine equipment and other assets was held on July 13 and 14.

Snap Lake Mine is located in the Northwest Territories, about 220 km northeast of the capital city of Yellowknife.

Fortune Minerals Negotiates AiP to Extend the Term of its 2015 Debentures

On August 16, Fortune Minerals Limited (TSX: FT) (OTCQB: FTMDF) (www.fortuneminerals.com) announced that it has reached an agreement in principle with the holders of its debentures issued in 2015 (the “2015 Debentures”) to extend their maturity from August 12, 2022 to November 30, 2022. The extension of the maturity date of the 2015 Debentures remains subject to finalizing and executing definitive documentation between the Company and the holders of the 2015 Debentures (the “Extension Documents”).

On August 18, Fortune Minerals announced it has executed definitive documentation with the holders of its debentures issued in 2015 (the “2015 Debentures”) to extend their maturity date from August 12, 2022 to November 30, 2022.

The amended and restated debentures (the “Amended Debentures”) have an aggregate principal amount of \$12,363,518, being the total principal amount and all accrued interest on the 2015 Debentures as at August 12, 2022, bear interest at a rate of 10% per annum for the extension period and are secured by all of the assets of the Company (including the NICO cobalt-gold-bismuth-copper project (“NICO Project”). As additional consideration for the extension of the maturity date, the Company has issued to the holders of the Amended Debentures an aggregate of 3,500,000 common shares of the Company. The shares are subject to a hold period of four months and one day from the date of issuance.

As previously announced, Fortune has engaged Haywood Securities Inc. (“Haywood”) to act as its financial advisor to support its near-term financing objectives (see news release, dated May 16, 2022). Haywood is assisting Fortune with seeking the funds needed to repay the Amended Debentures and complete the purchase of the planned NICO Project refinery site in Lamont County, Alberta. Haywood is also assisting Fortune in its efforts to finance the other activities required to advance development of the NICO Project towards a construction decision, including detailed engineering for an updated feasibility study to support project finance, completion of the remaining permits, and to secure additional capital for general corporate purposes.

New United States Inflation Reduction Act includes measures to positively impact North American critical minerals supply chains

Fortune is also pleased to report that the new Inflation Reduction Act, which the U.S. Senate recently passed, is expected to positively impact the North American critical minerals industry, particularly for the metals used in lithium-ion batteries powering electric vehicles. The Act revamps the electric vehicle Federal tax credit of US\$7,500, extending the tax credit through 2032, removing the unit-sales cap of 200,000 per OEM, and introducing a mandate for qualified cars being assembled in North America to include escalating levels of critical minerals sourced from the U.S. or countries with a free-trade agreement with the U.S. Specifically, the bill requires that the “percentage of the value” of the applicable battery critical minerals be extracted or processed in the U.S. or a U.S. free-trade partner or recycled in North America, be:

- 40% for a vehicle placed in service before 1 January 2024;

- 50% for a vehicle placed in the service during calendar year 2024;
- 60% for a vehicle placed in service during calendar year 2025;
- 70% for a vehicle placed in service during calendar year 2026; and
- 80% for a vehicle placed in service after 31 December 2026.

The bill places similar restrictions on the percentage of value of the components but leading up to a 100% requirement for vehicles placed in service after 31 December 2028.

For more detailed information about the NICO Mineral Reserves and certain technical information in this news release, please refer to the Technical Report on the NICO Project, entitled "Technical Report on the Feasibility Study for the NICO-Gold-Cobalt-Bismuth-Copper Project, Northwest Territories, Canada", dated April 2, 2014 and prepared by Micon International Limited which has been filed on SEDAR and is available under the Company's profile at www.sedar.com.

Forum Provides Nunavut Uranium Project Update

On September 6, Forum Energy Metals Corp. (TSX.V: FMC; OTCQB: FDCFF) announced the commencement of a ground gravity survey and completion of a baseline archaeological study on its Nunavut Uranium Project, located 100 km west of the community of Baker Lake, Nunavut, within the Thelon Basin.

Rick Mazur, President & CEO stated, "The Thelon Basin is an important unconformity-type uranium district that represents the closest geological analogue in the world to the prolific Athabasca Basin. We believe that our ground hosts major high grade uranium deposits with similar potential and grades as the Athabasca. Forum is formulating plans to aggressively explore this project in 2023."

Forum staked 65,558 hectares of claims over the high-grade and not fully delineated Tatiggaq and Qavvik uranium deposits, as well as numerous highly prospective target areas formerly held by Cameco Corporation to the west of the Kiggavik Uranium Project (see News Release dated February 1, 2022). The Kiggavik uranium deposit* hosts **133 million pounds of uranium at an average grade of 0.46% Uranium** and is held 66.2% by Orano Canada, 16.9% Denison Mines and 16.9% UEX Corporation.

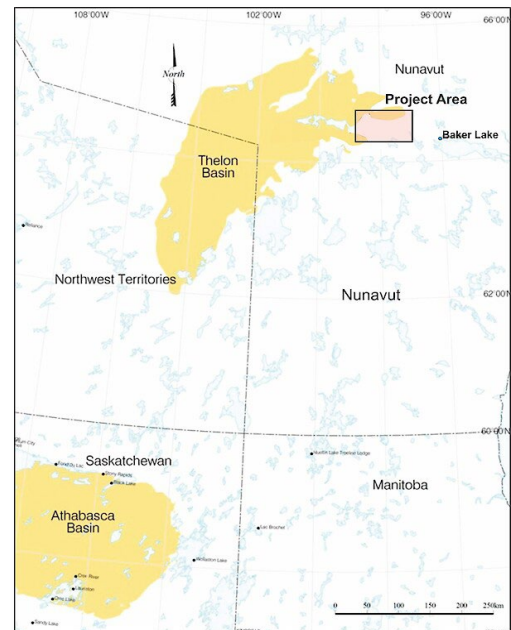
2022 Exploration Activities

Forum's technical team (see News Release dated March 22, 2022) visited the project in June, 2022 to:

- Review the 135 drill holes drilled by Cameco from 2008 to 2012 resulting in the discovery of the Tatiggaq and Qavvik deposits and the Ayra showing.
- Conduct reconnaissance for a camp location for the proposed 2023 drill program.
- Conduct community engagement with the Hamlet of Baker Lake.

Forum received a Screening Decision Report from the Nunavut Impact Review Board and its Land Use Permit from Crown Indigenous Relations and Northern Affairs Canada in August.

MWH Geo-Surveys currently has a 3-person team conducting ground gravity surveys over four grids within the project area.



Location of the Athabasca Basin, Saskatchewan and the Thelon Basin, Nunavut. These two geological areas of the Canadian Shield host the world's richest uranium deposits.

Approximately 1200 gravity stations will be collected largely at a station spacing of 100 m, along lines 400 m apart. Survey results will be available later in the fall and will help to delineate additional targets on the project. WSP Golder has completed a baseline archaeological study of the project. A 2-person team visited the new camp location, as well as numerous high-priority drill target areas to document any archaeological sites. WSP Golder is preparing its final report and no significant sites have been documented.

Project History

There are many Proterozoic basins worldwide, but only two have high grade unconformity-type uranium deposits that have gone into production; the Athabasca Basin in Saskatchewan, Canada and the McArthur Basin in the Northern Territory, Australia. The third Proterozoic basin having the greatest potential for high grade economic uranium deposits is the Thelon Basin in Nunavut, Canada (Figure 2). Three deposits have thus far been proposed for development - the Kiggavik, Andrew Lake and End deposits at the **133 million pound Orano/Denison/UEX Kiggavik Uranium Mine Development Project* at an average head grade of 0.46% U**. The project is currently on care and maintenance.

Cameco drilled 135 holes for a total of 36,000 metres of drilling from 2008 to 2012 resulting in the discovery of the Tatiggaq deposit (approximately 5km west of Orano's Andrew Lake deposit), the Qavvik deposit, the Ayra showing and tested three other targets identified by geophysical surveys**.

The **Tatiggaq** discovery consists of two zones, the Main and West zones that average 30 metres in thickness between 80 and 100 metres in depth with strike lengths between 60 and 80 metres, respectively. Some significant intercepts are:

- **TUR-026** - 1.0% U3O8 over 14.9 metres (m) from 177.6 to 192.5m
- **TUR-040** – 0.92% U3O8 over 11.3 m from 159.1 to 170.4m
- **TUR-042** – 2.69% U3O8 over 7.9m from 200.2m to 208.1m, **including 24.8% U3O8 over 0.4 m** from 202.9m to 203.3m
- **TUR-052B** - 0.43% U3O8 over 54.2m from 115.4m to 169.6m
- **TUR-056** – 0.93% U3O8 over 9m from 126m to 135m
- **TUR-058** – 1.17% U3O8 over 6.1m from 88.2m to 94.3m

Tatiggaq occurs within a large clay alteration zone measuring 0.8km in width by 1.5km in length. (Figure 3). Potential exists to **significantly increase the size of this deposit which will be the focus of Forum's proposed drill program in 2023**, in addition to following up on Qavvik, Ayra and other targets on the property.

About Forum Energy Metals

Forum Energy Metals Corp. (TSX.V: FMC; OTCQB: FDCFF) is a diversified energy metal company with uranium, copper, nickel, and cobalt projects in Saskatchewan, Canada's Number One Rated mining province for exploration and development, a strategic uranium land position in Nunavut and a strategic cobalt land position in the Idaho Cobalt Belt. For further information: www.forumenergymetals.com

ValOre Closes Oversubscribed \$2.9 Million Private Placement

On August 19, ValOre Metals Corp. (TSX-V: VO, OTC: KVLQF, Frankfurt: KEQ) announced the intent to complete a non-brokered private placement financing of up to 6,250,000 units at a price of CDN\$0.40 per Unit for gross proceeds of up to CDN\$2,500,000.

On August 30, ValOre announced the closing of the non-brokered private placement financing disclosed on August 19, 2022. ValOre issued 7,440,000 units at a price of \$0.40 per Unit for gross proceeds of

\$2,976,000. Each Unit will consist of one common share (a “Share”) in the capital of ValOre and one-half of one non-transferable common share purchase warrant (each whole common share purchase warrant being a “Warrant”). Each Warrant will be exercisable to acquire one Share at a price of CDN\$0.60 per Share for a period of 24 months, expiring August 30, 2024.

ValOre intends to use the net proceeds raised from the Offering for additional exploration work on ValOre’s Angilak Property uranium project in Nunavut Territory, Canada and the Company’s Pedra Branca palladium platinum project in Brazil, as well as for general working capital.

All securities issued under this placement are subject to TSXV and securities regulatory legends expiring on December 31, 2022. Finders’ fees of \$3,840 and 9,600 Warrants were issued to various finders under the Placement. The finders’ warrants have the same terms and conditions as the Warrants issued to the subscribers under the Placement.

Certain insiders of ValOre acquired Units in the Offering. Any participation by insiders in the Offering constitutes a “related party transaction” as defined under Multilateral Instrument 61-101 *Protection of Minority Security Holders in Special Transactions* (“MI 61-101”). However, the Company expects such insider participation is exempt from the formal valuation and minority shareholder approval requirements of MI 61-101 as the fair market value of the Units subscribed for by the insiders, nor the consideration for the Units paid by such insiders, would not exceed 25% of the Company’s market capitalization. There are no material facts or material changes regarding the Company that have not been generally disclosed.

About ValOre

ValOre Metals Corp. (TSX-V: VO) is a Canadian company with a portfolio of high-quality exploration projects. ValOre’s team aims to deploy capital and knowledge on projects which benefit from substantial prior investment by previous owners, existence of high-value mineralization on a large scale, and the possibility of adding tangible value through exploration, process improvement, and innovation.

New Break Announces Start of Trading on CSE Under Symbol (CSE: NBRK)

On September 6, New Break Resources Ltd. announced that the Company’s common shares have received final approval for listing from the Canadian Securities Exchange (the “CSE”). The Common Shares are expected to commence trading on the CSE under the trading symbol “NBRK” at market open on Wednesday, September 7, 2022. New Break will also be featured on the CSE’s YouTube channel, CSE TV, as the Company rings the bell as part of a virtual open, including an interview with Michael Farrant, New Break’s President and CEO. The video will be available on the Company’s website at www.newbreakresources.ca.

The ISIN and CUSIP numbers for the Common Shares are CA6425831089 and 642583108, respectively. New Break currently has 40,155,750 Common Shares issued and outstanding. Of the 4,348,000 Common Shares owned by management and directors, 10% will be released from escrow in connection with the commencement of trading, while 3,913,200 will remain in escrow, with batches of 652,200 released every six months over a period of three years.

Michael Farrant, President and CEO of New Break commented, “Successfully completing a listing of New Break’s common shares on the CSE is a significant milestone and comes just under two years after acquiring our Moray property south of Timmins, Ontario and 32 km northwest of the Young-Davidson gold mine operated by Alamos Gold Inc. Over that period of time, we’ve also added an extremely exciting package of mineral properties in Kivalliq Region, Nunavut, including signing an Inuit Owned Lands Mineral Exploration Agreement on the Sundog gold project and staking the highly prospective

gold mineralized Esker claim, just east of South Henik Lake, historically drilled by Comaplex Minerals Corp. As a private company, we assembled over 190 shareholders, raised sufficient capital to allow us to complete a non-offering prospectus, attracted an extremely talented team of mining professionals that makes up our management, board of directors and advisory group and were awarded a grant of up to \$200,000 under the Ontario Junior Exploration Program. While having our shares trade publicly gives our shareholders liquidity and allows the Company greater access to capital, it does not change the already high standards at which we operate in terms of corporate, social and environmental responsibility and good governance. We will continue to advance our mineral property interests giving the highest regard to all of our stakeholders, including our shareholders and the communities in which we operate. I hope that all of our shareholders are proud of the Company we've built to date and continue to support us on the path to discovery."

About New Break Resources Ltd.

New Break is a Canadian mineral exploration and development company with a dual vision for value creation. In northern Ontario, New Break is focused on its Moray Project, in a well-established mining camp, within proximity to existing infrastructure, while at the same time, through our prospective land holdings in Nunavut, we provide our shareholders with significant exposure to the vast potential for exploration success in one of the most up and coming regions in Canada for gold exploration and production. These complimentary visions are supported by a highly experienced team of mining professionals committed to placing a premium on Environmental, Social and Corporate Governance, respecting the values and interests of all our stakeholders. Information on New Break is available under the Company's profile on SEDAR at www.sedar.com and on the Company's website at www.newbreakresources.ca.



It's that time of year again, spectacular aurora. And you don't need a parka! Courtesy Tom Hoefer.

Welcome our latest Members!

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

- **AWP Industries Corporation** is a 100% northern owned company that will expand in the coming years in many business opportunities by utilizing the 329 hectare of property that is strategical located in Enterprise, NT. Over the last four years, AWP has been steadily developing the property to create new opportunities for the north. Currently, AWP has a fully functional transload site that is tied to the Canadian National Railway. The rail siding consists of three spur lines in RT 10, RT 11 and RT 12 with a total capacity of 130 rail cars. Contact Brad Mapes, President and CEO at Brad@awpltd.com, website: www.awpnt.com.
- **Nolinor Aviation** was founded in 1992, and is the largest airline carrier offering specialized commercial charter flights in Canada. Their fleet of jet aircraft can be readily configured numerous ways to meet clients' varying needs for transporting passengers, cargo, or both. Nolinor offers air service across Canada, the United States and multiple other destinations around the world, including remote regions where gravel and ice runways are the norm. Contact Vincent Dufort, Sales Director at 514-688-8825, email: marketing@nolinor.com.

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



AWP Industries new rail-trucking trans-shipping facility, Enterprise, NT. See [AWP Website](#).

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.	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.	31 August 2022, Vital announces Board and Management Changes 10 August 2022, Vital strengthens Board with appointment of two Directors 1 August 2022, Vital Raises \$45M to Complete Transition to REO Operations 28 July 2022, Vital Metals' June 2022 Quarterly Report 8 July 2022, Vital Produces High Grade Concentrate in First Run at Saskatoon REE Plant

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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>17 June 2022, Commissioning Commences at Vital's Saskatoon Rare Earth Extraction Plant</p> <p>8 June 2022, Vital's North Tardiff Testwork Results Exceed Expectations for Stage 2 REO Operations</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>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>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> <p>15 June 2022, NorZinc Announces Results of Annual General Meeting of Shareholders</p> <p>13 June 2022, Norzinc Announces the Commencement of Drilling at Prairie Creek</p> <p>4 May 2022, Norzinc Provides Update on Permitting Progress and 2022 Work Program at the Prairie Creek Project</p>
NICO	Fortune Minerals Limited.	Cobalt-gold-bismuth-copper	Proposed open pit and underground mine located 50 km NE of Whati. Estimated mine jobs: 150. Mine life, 20 years. In March 2018, The Mackenzie Valley Environmental Impact Review Board has recommended that the 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 Tlicho Road to connect the	<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> <p>19 May 2022, Fortune Minerals Provides Summary of Key Highlights of the Recent Cobalt Institute Cobalt Market Report 2021</p>

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			community of Whati to the territorial highway system.	
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>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. 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.	<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>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>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.

<p>Mary River Iron Mine</p>	<p>Baffinland Iron Mines Corporation</p>	<p>Iron</p>	<p>Open pit mine 936 km north of Iqaluit. 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>6 June 2022, Baffinland starts process to lay off up to 1,328 employees in Nunavut 2 June 2022, Minister Rejects Baffinland's Request for Emergency Order 13 May 2022, Baffinland Responds to NIRB Recommendation Report 4 March 2022, Baffinland to Begin Staged Return of Nunavummiut Employees to Work at the Mary River Mine Starting the Week of March 7 Media release, 25 February 2022, Baffinland's 2021/2022 Scholarship Program Recipients Announced</p>
<p>Back River</p>	<p>Sabina Gold & Silver Corp.</p>	<p>Gold</p>	<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>12 July 2022, Sabina Gold & Silver Opens George Camp as Next Focus of Development on the Back River Gold District 13 June 2022, Sabina Gold & Silver Closes Zhaojin C\$12 Million Pp Financing 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 31 May 2022, Sabina Gold & Silver Reports 3rd Tranche of Equity Private Placement for ~ Cad\$17.5 M Closed 26 May 2022, Sabina Gold & Silver Announces AGM Voting Results 16 May 2022, Sabina Gold & Silver Updates Progress for the Goose Mine Development ~70% Procurement and 40% Overall Civil Works Completed</p>
<p>Kiggavik</p>	<p>Orano Canada Inc.</p>	<p>Uranium</p>	<p>Proposed uranium mine 80 km W of Baker Lake. Estimated Construction jobs: 750 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>
<p>Chidliak</p>	<p>De Beers Group</p>	<p>Diamonds</p>	<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: •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>	<p>Media release 9 July 2020 De Beers Group: Inuit firm successfully completes critical Chidliak maintenance</p>

NWT & Nunavut Chamber of Mines – Northern Mining News

Naujaat Diamond Project	North Arrow Minerals partnered with EHR Resources	Diamonds	7 km from tidewater; 9 km from Repulse Bay, Melville Peninsula; 7,143 hectares of contiguous mineral claims. Largest kimberlite in Nunavut.	28 July 2022, North Arrow Reports Bulk Sample Results from Naujaat Diamond Project, Nunavut 26 April 2022, North Arrow Reports Initial Bulk Sample Results From Naujaat Diamond Project, Nunavut
Committee Bay Gold Project	Fury Gold Mines formerly Auryn Resources	Gold	<ul style="list-style-type: none"> • High grade gold endowment • Existing exploration infrastructure • Over 270,000 hectares with district scale discovery opportunities 	16 February 2022, Fury Announces 2021 Drill Results from Raven Prospect Media release, October 13, 2021: Fury Completes Cad\$5,596,088 Non-Brokered Private Placement
Storm Copper and Seal zinc-silver projects, nunavut	American West Metals Limited has an option to earn an 80% interest in the Storm Project from Aston Bay Holdings .	Copper, zinc, silver	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.	1 September 2022, Aston Bay Announces 41 Metres of 4.18% Copper Intersected at Storm Project, Nunavut 25 August 2022, Aston Bay Announces Additional Near Surface Copper Mineralization And Expansion Of High Grade 2750n Zone At Storm Project, Nunavut 23 August 2022, Aston Bay Announces Major New Copper Discovery at Storm Project, Nunavut 8 August 2022, Aston Bay Announces Additional Shallow Copper Mineralization Intersected At Storm Project, Nunavut 1 August 2022, American West raises \$2.7 million to advance copper and zinc projects 29 July 2022, American West Metals: Quarterly Activities Report for the Period Ended June 2022
ULU Gold project	Bluestar Gold Corp.	Gold, silver	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.	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) 15 February 2022, Blue Star Gold Releases Final 2021 Results and Summarizes its 2022 Exploration Plans
Angilak	ValOre Metals Corp. (formerly Kivalliq Energy)	Uranium	340,268-acre property located SW of Baker Lake; Hosts the high-grade Lac 50 Trend deposit	30 August 2022, ValOre Closes Oversubscribed \$2.9 Million Private Placement 19 August 2022, ValOre Announces CAD\$2.5 Million Financing 2 August 2022, ValOre's Second Core Rig Commences Drilling, with First Drill

				Intercepting Multiple Zones of Shallow Radioactivity at Dipole Uranium Target, Angilak Property
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Deadline: Canada wants to hear from you on Critical Minerals!

Deadline is September 15 for you to tell Canada your thoughts on what should be in their first ever Critical Minerals Strategy.

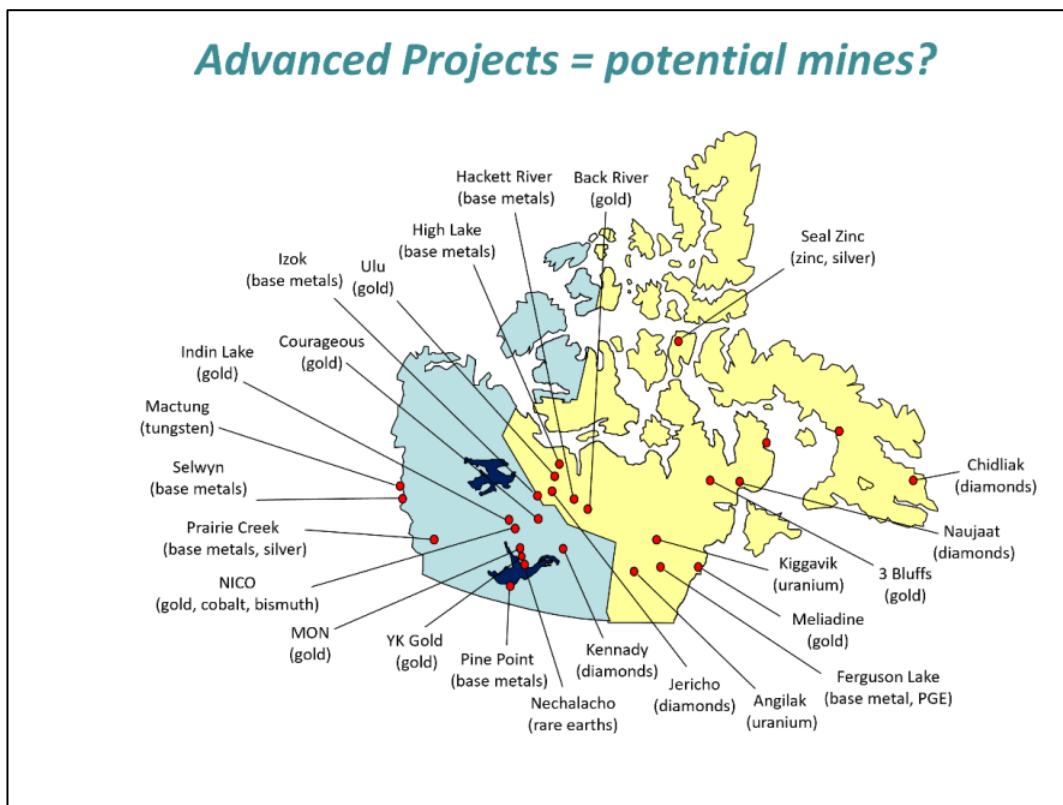
Natural Resources Canada has drafted a discussion paper outlining Canada’s approach to advancing leadership in the responsible, inclusive and sustainable production of critical minerals, from mines to manufacturing.

[Read the discussion paper and share your views by September 15, 2022.](#)



Canada has identified these 31 critical minerals essential to Canada’s economic security

Project Maps



Projected existing and proposed mine lives

