

Northern Mining News

Volume 18, No.8

August 2024



In this August issue:

Call for Abstracts & Registration Opens for 2024 Yellowknife Geoscience Forum	2
2024-2025 NWT Exploration Grant (MIP) Funding Awarded	3
Critical Minerals News: Public consultations on economic security measures	3
Grays Bay Road and Port Project	4
DETAILED MEMBER NEWS THIS MONTH	5
Burgundy Diamonds: Misery mine life extension, Surety Bonding	6
Mountain Province Updates Gahcho Kué LOM Plan, Mineral Resource & Reserve	7
Sixty North Gold Mining reports Initial High-Grade Gold Assays up to 62.6 gpt	8
B2Gold Reports Q2 2024 Results and Updated 2024 Guidance	9
Blue Star Reports for Massive Sulphide Discovery, Pipeline Showings, NU	9
Aston Bay: Airborne Geophysics & Expanded Claims at Epworth Project, NU	10
Storm Project, NU update: Cu Assays, New Cu Discovery, Direct Shipping Ore	11
LIFT Quadruples the Size of the Cali Property Through Staking	14
Midas receives assay results from first channel sample, Argus pegmatite, NWT	15
White Cliff Minerals identifies Bonanza Grade Silver, and new zones, NWT	16
Forum Drilling Update, Aberdeen Uranium Project, Nunavut	18
Vital Metals to optimize Tardiff flowsheet, hires corporate advisor to Board	19
Fortune Completes New Option to Acquire Alberta Refinery Site for NICO	20
Cornish Metals Completes Sale of Mactung and Cantung Royalties	20
ATHA Maiden Exploration at Angilak, Expands Lac 50, Summer Update	21
Canadian North Resources Q2 Financial & Operational, Community Grant	22
NU Muskox Project Sampling Yields up to 19.5% Cu, 9.42% Ni, 107.3 g/t PGMs	24
Gold Terra Announces Extension on Option to purchase 100% of Con Mine, NWT	24
<i>In Memoriam: Karen Margaret Gochnauer, 1955 – 2024</i>	25
Calendar of Events	26
Welcome our latest Member!	26
Mines and promising Northwest Territories projects	27
Mines and promising Nunavut projects	31
Project Maps	35
Projected existing and proposed mine lives	36

From the Executive Director ...

The 2024 Yellowknife Geoscience Forum is just around the corner! Speakers, delegates, sponsors, and all who enjoy resource development. Plan now! Book early!

It's the time of year when exploration results start emerging, and there's a good line up this month. Encouraging news about mine lives at two of our NWT diamond mines.

Also just out, recipients of the NWT Exploration (MIP) Grants have been announced.

We were saddened at another loss to our geology fraternity, Karen Gochnauer.

... Editor

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

[Call for Abstracts & Registration Opens for 2024 Yellowknife Geoscience Forum](#)



**JOIN US FOR THE 52ND ANNUAL
YELLOWKNIFE GEOSCIENCE FORUM**

NOVEMBER 26-28, 2024

**Confirm your 2024 Chamber membership to
access preferred delegate registration rates.
The call for abstracts is open until October 11, 2024.
Early registration rates available until November 5, 2024.
Visit the [event website](#) for more details on abstracts,
registration, exhibiting, and sponsorship opportunities.**



**GEOSCIENCE
FORUM**
YELLOWKNIFE • CANADA



NWT & NUNAVUT
CHAMBER OF MINES

2024-2025 NWT Exploration Grant (MIP) Funding Awarded

Prospectors	Project Name	Region	Commodity	Funding Awarded
Danny Yakeleya	NWT/Yukon Border	South Slave	Au, Multiple Metals	\$18,750.00
David Nickerson	Uranium Trail	North Slave	U	\$5,850.00
Ryan Bachynski	Viking	North Slave	Au, Multiple Metals	\$17,976.00
Stephane Poitras	Poor Son	Sahtu	Au, Multiple Metals	\$22,500.00
Total Prospector Funding:				\$65,076.00

Corporate	Project Name	Region	Commodity	Funding Awarded
Cheetah Resources Corp.	Tardiff	North Slave	REE, Li	\$144,000.00
DEMCo Ltd.	Camsell River	Sahtu	Au, REE, Multiple Metals	\$156,000.00
Gold Terra Resource Corp.	Northbelt	North Slave	Au	\$136,284.00
Golden Pursuit Resources Ltd.	Gordon Lake	North Slave	Au	\$96,946.20
Integral Metals Corp.	KAP	Sahtu	Zn	\$114,873.50
Kennady Diamonds Inc.	Kennady North	North Slave	Diamonds	\$96,885.19
Loyal Lithium Ltd.	Hidden Lake	North Slave	Li	\$120,000.00
Rackla Metals Inc.	NWT RIRGS	Sahtu	Au	\$110,368.05
Redbed Resources Ltd.	Redstone	Sahtu	Cu	\$123,200.00
Trinex Lithium Ltd.	Halo - Yuri	North Slave	Li	\$168,000.00
White Cliff Minerals Ltd.	Radium Point	Sahtu	Au, U, Multiple Metals	\$168,000.00
Total Corporate Funding:				\$1,434,556.94
Grand Total (Prospector + Corporate) Funding:				\$1,499,632.94

Critical Minerals News: Public consultations on economic security measures

In case you missed it, we would like to bring to your attention the [Public consultations on potential new measures to advance and defend Canada's economic security interests](#), launched by Global Affairs Canada during the summer. The Consultations have explicit reference to critical minerals. They welcome your review and input and would like to ensure the sector's interests are represented.

The **Consultations are open until September 23, 2024**. Additional details, such as how to submit a response, can be found directly at the link provided above. Please feel free to share widely with others who should be consulted.

Grays Bay Road and Port Project

West Kitikmeot Resources Corporation (WKR) is an Inuit-owned, Inuit-led company dedicated to advancing the Grays Bay Road and Port Project (the “Project”) in the Kitikmeot Region of Nunavut. WKR’s largest shareholder is a wholly owned subsidiary of the Kitikmeot Inuit Association. The Project is a proposed multi-user, multi-use transportation infrastructure located on a combination of Inuit Owned Land and Crown land in western Nunavut’s Kitikmeot Region. Subject to regulatory approval, it will establish the first deep-water port in the Canadian Central Arctic at Grays Bay and build a 230-kilometre (km) all-season access road between Grays Bay and Jericho station near Contwoyto Lake. This road will connect to the approved Tibbitt to Contwoyto Winter Road (TCWR), allowing for shared infrastructure that could benefit various stakeholders, including the federal and territorial governments, local communities, resource companies, and defence agencies.

The Project is a transformational, nation-building initiative with wide-reaching benefits for Indigenous communities, Nunavummiut, and all Canadians. It aims to stimulate economic development, enhance food security, create employment opportunities, and strengthen the supply chain between Nunavut, the Northwest Territories, and southern Canada. Moreover, the Project would bolster Canadian sovereignty over the Northwest Passage and support critical mineral development, potentially alleviating some of the region’s persistent challenges, such as poverty, food insecurity, unemployment, and housing shortages.

Currently, WKR is actively progressing through the regulatory process, with ongoing field programs to update environmental and social baselines, plans for engineering studies (including geotechnical drilling at the port), and initiation of the impact assessment process. Recently, a submission was made to the Nunavut Impact Review Board (NIRB) for screening, with the expected commencement of the NIRB review soon, marking a significant step forward for the Project.



DETAILED MEMBER NEWS THIS MONTH

Summary of News Releases This Past Month (Hotlinked)

- 9 September 2024: [Amended – Burgundy Diamonds: Positive indications for Misery mine life extension](#)
- 9 September 2024: [2024 Exploration Program Yields up to 19.5% Cu, 9.42% Ni and 107.3 g/t PGMs from Surface Sampling at SPC Nickel’s Muskox Project, Nunavut](#)
- 9 September 2024: [Gold Terra Announces a 2 Year Extension on Option Agreement with Newmont to November 21st, 2027 to purchase 100% of Past Producing 16 g/t Gold Con Mine, Yellowknife, NWT](#)
- 5 September 2024: [Burgundy Diamonds: Positive indications for Misery mine life extension](#)
- 5 September 2024: [Blue Star Reports Initial Assay Results for Massive Sulphide Discovery: 17.1 Metres of 0.973% Copper Equivalent](#)
- 4 September 2024: [Sixty North: Initial Assays Return High-Grade Gold Values up to 62.6 gpt from the A-Zone and DD-Zone](#)
- 3 September 2024: [LIFT Quadruples the Size of the Cali Property Through Staking](#)
- 3 September 2024: [North Arrow Options Kraaipan Gold Project, Botswana and Announces Share Consolidation and \\$2 Million Financing](#)
- 3 September 2024: [Aston Bay and American West Metals Announce 13% Copper in Assays at the Cyclone Deposit and a New Copper Discovery at the Storm Project, Nunavut, Canada](#)
- 3 September 2024: [ATHA Energy Completes Maiden Exploration Program at the Angilak Project Identifies Multiple New Mineralized Trends and Expands Uranium Mineralization at Lac 50](#)
- 29 August 2024: [Aston Bay Announces Initiation of Airborne MobileMT Geophysical Survey and Expanded Claims Holdings at the High-Grade Copper-Silver Epworth Project, Nunavut](#)
- 28 August 2024: [ATHA Energy Provides Summer Update of 2024 Exploration Programs](#)
- 27 August 2024: [Midas receives assay results from the first channel sample completed on the Argus pegmatite, on the Aylmer project in NWT, Canada](#)
- 26 August 2024: [Bonanza Grade Silver identified ±550mtrs from historic silver mines that produced 34,200,000oz of refined silver – White Cliff Minerals](#)
- 26 August 2024: [Sixty North Gold Mining Intersects East Limb of the Rich Gold-Bearing A-Zone](#)
- 22 August 2024: [Large-Scale Copper Targets at Depth Take Shape at the Storm Project, Nunavut, Canada](#)
- 22 August 2024: [Canadian North Resources Received Grant for Community Engagement](#)
- 21 August 2024: [Blue Star Announces Exploration Results, Advances Pipeline Showings](#)
- 21 August 2024: [Mountain Province Updates Gahcho Kué LOM Plan, Mineral Resource & Reserve](#)
- 20 August 2024: [Forum Drilling Update, Aberdeen Uranium Project, Nunavut](#)
- 19 August 2024: [Fortune Minerals Completes New Option Agreement to Acquire the JFSL Alberta Refinery Site for the NICO Project](#)
- 15 August 2024: [Assays Confirm Additional Near-Surface, High-Grade Copper at the Storm Project, Canada](#)
- 14 August 2024: [Burgundy concludes reclamation surety bonds agreement](#)
- 14 August 2024: [Vital to optimise rare earths processing flowsheet in Tardiff Scoping Study](#)
- 13 August 2024: [Direct Shipping Ore \(DSO\) development potential confirmed at the Storm Copper Project, Canada](#)
- 13 August 2024: [Extraordinary grade Copper, Gold and Silver assays received – White Cliff Minerals, NWT](#)
- 12 August 2024: [Experienced corporate advisor Zane Lewis joins Vital Metals Board](#)
- 8 August 2024: [B2Gold Reports Q2 2024 Results and Updated 2024 Guidance](#)
- 6 August 2024: [Cornish Metals Completes Sale of Mactung and Cantung Royalties](#)

Burgundy Diamonds: Misery mine life extension, Surety Bonding

[Burgundy Diamonds: Positive indications for Misery mine life extension \(Amended\)](#)

On September 9, Burgundy Diamond Mines Limited (ASX:BDM) released an amended ASX announcement, including a JORC code Table 1.

CEO, Kim Truter: *“We are pleased to announce that results from our current drilling programme are indicating that the Misery pipe, which is a very high value ore source requiring almost zero development capital, is very likely to stay in production well past the original 2026 date.”*

Drilling activities at the Misery mine commenced in July with six out of thirty-two holes now completed. All drill holes targeting the extension of the Misery Main ore body have intersected the kimberlite pipe contact earlier than modelled, confirming Burgundy’s understanding of a larger ore body at depth. Burgundy believes production at Misery will continue much longer than previously expected, however this will be formalised through the reporting of an updated Mineral Resource and Ore Reserve statement. Remarkably, during the first drillhole of the program (MDC-77), Burgundy’s drill crew noted a Fancy yellow diamond in the centre of the core, which was intersected ~25 m below the last planned mine level, and outside of the modelled ore body extent.

Drilling and bulk sampling of the Southwest extension to the Main ore body is also expected to commence in the fourth quarter. The Southwest extension represents an exciting new target known to be diamondiferous, based on historic mining in the open pit, however it has not been commercially targeted from the underground operation, nor part of any previous Ekati mine plans. Burgundy has quickly identified its opportunity for future mining and will be testing the body’s extent and diamond characteristics sufficient for Mineral Resource and Ore Reserve reporting.

As a result of the initial work and observations to date, Burgundy is confident in its decision to resequence the Sable underground project and associated development capital by at least a year, due to a projected surplus of ore availability.

Burgundy will be releasing updated Mineral Resource and Ore Reserves for the Misery Main ore body and its Southwest extension over the next four to six months, once all technical programmes have concluded. Ekati’s new official extended mine plan will be published shortly thereafter in Q1-2025.

[Burgundy concludes reclamation surety bonds agreement](#)

On August 14, Burgundy confirmed that the agreement with the surety providers in relation to the reclamation bonds has been formally concluded and signed by all parties, in line with previously agreed principles. Significantly, Burgundy can confirm it has successfully finalized the renegotiated cash collateralisation payment schedule to extend over four years, consistent with Ekati’s current life of mine plan, versus the previous terms requiring full payment in Q2-2024.

“This is a real game changer,” noted Kim Truter, CEO and Managing Director of Burgundy Diamond Mines. “Our revised long-term partnership and arrangement with our surety providers ensures our closure obligations are funded, releases cash to fund our mine extension options, and ensures we maintain a healthy “cash reserve. Furthermore it reduces future financial liability related to reclamation requirements.”

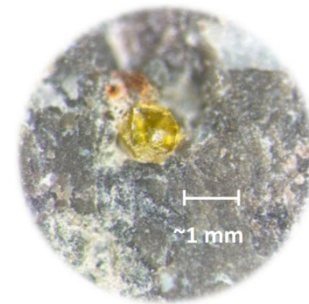


Figure 1 - Fancy yellow diamond recovered ~25 m below the last planned mine level (MDC-77).

Mountain Province Updates Gahcho Kué LOM Plan, Mineral Resource & Reserve

On Aug. 21, Mountain Province Diamonds Inc. (TSX: MPVD) and (OTCQX: MPVD) announced that it has completed an updated mineral reserve and mineral resource estimate and life of mine plan (the "LOM") in respect of the Gahcho Kué Mine, a joint venture between De Beers Canada Inc. (51%) and Mountain Province (49%), located 280 km northeast of Yellowknife, Northwest Territories. The updated LOM is the result of engineering work done to steepen the pit walls, resulting in realization of further value at the Gahcho Kué mine.

In accordance with National Instrument 43-101 – Standards of Disclosure For Mineral Projects ("NI 43-101"), a supporting technical report effective April 22, 2024 will be filed within 45 days of this news release (the "2024 Technical Report"). The 2024 Technical Report will supersede the technical report entitled "NI 43-101 Technical Report Gahcho Kué Mine Northwest Territories Canada" having an effective date of December 31, 2021 and a report date of March 28, 2022 (the "2022 Technical Report").

Highlights

- Mountain Province's 49% share of operating cash flow from remaining open pit mining operations is estimated at \$626 million.
- Ore processing is now estimated to finish early 2031, not 2030 as estimated in the 2022 Technical Report.
- On a full-year basis from 2024 to 2031 the total diamond recovery is estimated to be 36.3 million carats compared to 30.8 million carats in the 2022 Technical Report.

Mark Wall, the Company's President and Chief Executive Officer, commented: *"This is an important update to the production profile of the Gahcho Kué Mine. The projected operational after-tax cash flow attributable to Mountain Province for the balance of the open pit life of mine plan of \$626 million demonstrates the value of the Gahcho Kué mine. The diamond market is considerably softer than the period when the previous 2022 Technical Report was completed, which creates upside opportunity to the economics should prices improve.*

These economics exclude 'inferred' resources included in the new pit design.

The engineering work done to steepen the pit walls has resulted in ore that is deeper in the open pit coming into the mine plan in addition to a small reduction in waste stripping.

On a full-year basis for 2024 the updated Technical Report has the mine planning to produce 36.3 million carats (on a 100% basis) from the beginning of 2024 to the end of the life of mine, whereas the 2022 Technical Report had 30.8 million carats being produced from the beginning of 2024 to the end of the life of the mine. Included in the production plan is moving to a lower Bottom Cut-off from 1.1mm to 1.0mm in 2027 which coincides with expected lower global production due to mine closures from 2026 onward.

I am pleased to update the market on the results of the engineering improvements to the mine. We will continue to look for opportunities to optimize production and manage costs."

Life of Mine

Updated geotechnical pit slope recommendations since the 2022 Technical Report allowed the various pits to be redesigned with steeper walls allowing additional kimberlite to be captured within the pits and an updated LOM plan. The updated LOM plan extends production through 2031 and reflects an increase of 2.7 Mt at 2.0 c/t (5.5 Mcts), relative to the prior LOM plan.

Updated Mineral Resource and Reserve Estimate

There have been three block model updates for the Gahcho Kué Mine since the 2022 Technical Report, each of which have increased the overall volume of the ore bodies. The interpretation of the external kimberlite contacts was updated based on mining data including blast holes logs and face mapping contact pickups. This information allowed projection/interpretation of changes to 3-4 benches below the current mining benches, providing a more probable view of kimberlite volumes to be mined in the short term. In addition, several drillholes from the Resource Extension Program were included in the update to Hearne and the surrounding country rock models.

Sixty North Gold Mining reports Initial High-Grade Gold Assays up to 62.6 gpt

[Sixty North Gold Mining Initial Assays Return High-Grade Gold up to 62.6 gpt](#)

On September 4, Sixty North Gold Mining Ltd. (CSE: SXTY) (FSE: 2F40) (OTC Pink: SXNTF) reported it had received the first batch of assays from the recently developed A-Zone West Limb and the parallel DD-Zone located 12 m to the west. A second set of samples of the East Limb of the A-Zone were submitted August 27 with results anticipated in late September.

The newly recognized DD Zone had seven samples collected with the results as shown below: (see release)

The seven samples average 17.24 gpt gold and have an average measured SG of 2.83 gm/cc over sample widths of 0.3 to 2 m.

[Sixty North Gold Mining Intersects East Limb of the Rich Gold-Bearing A-Zone](#)

On August 26, Sixty North Gold Mining Ltd. reported it had intersected the East Limb of the A-Zone, exposing a 1.0 m wide quartz vein and silicified zone containing visible gold with associated pyrite > sphalerite = galena. Galena is typically associated with higher-grade gold values in the quartz veins. The vein was encountered in the 970 Crosscut East (970 XCE) 50 m from the Main Ramp, 42 m east of the West Limb of the A-Zone at elevation 212 AMSL. This is 8 m below the East Stope where 2,085 tonnes grading 25.57 gpt was mined and 16 m below the West Stope where an estimated 12,500 tonnes were mined at a reconciled grade of 30.7 gpt gold (NI 43-101 Technical Report, Webb, 2023). The 970 XCE intersected the East Limb 10 m north of DDH 89-14 25.37 gpt gold / 1.7 m, 18 m north of DDH 89-23 23.86 gpt gold / 1.2 m, and 9 m below DDH 89-7 45.95 gpt gold / 3.1 m. The first batch of samples submitted July 24 have been received, logged, prepared and are undergoing fire assay fusion. They will be analyzed and reported in the first week of September. The second set of samples are currently being collected and will be submitted before the end of the month with results anticipated in the first week of October.

Dr. Dave Webb, Ph.D., P.Eng., P.Geol., President & CEO, Director stated “We are pleased to have reached and exposed the two areas on the A-Zone we had targeted, and to have discovered a new gold-bearing quartz vein in the Main Ramp now referred to as the DD-Zone. The geological model we developed has been supported from this work. There are an estimated 2,800 tonnes of the East Limb vein, 5,500 tonnes of West Limb vein, and 18,000 tonnes of DD Zone vein above the 970 XCE. All Zones are open to depth and along strike. The successful completion of this next phase will see the company commence the acquisition and installation of the permitted 100 tpd mill and relevant infrastructure to restart processing on site. Assays from an independent certified laboratory will be reported as they are received and confirmed.”

[B2Gold Reports Q2 2024 Results and Updated 2024 Guidance](#)

On August 8, B2Gold Corp. (TSX: BTO, NYSE AMERICAN: BTG, NSX: B2G) announced its operational and financial results for the second quarter of 2024. All dollar figures are in United States dollars unless otherwise indicated.

2024 Second Quarter Highlights [Ed note: we have selected only relevant Northern ones]

- **All planned construction for the first half of 2024 necessary to produce gold at the Goose Project by the end of Q2 2025 now complete and project development remains on schedule:** B2Gold successfully completed the 2024 Winter Ice Road (“WIR”) campaign in the second quarter of 2024 and has delivered all necessary items from the Marine Laydown Area (“MLA”) to complete the construction of the Goose Project in the second quarter of 2025. The key construction items completed in the second quarter included the construction of three additional fuel storage tanks at the MLA to increase fuel storage capacity to more than 80 million liters of fuel, which are anticipated to begin to receive fuel in August 2024; the construction of three additional fuel storage tanks at the Goose Project site to increase fuel storage capacity to more than 80 million liters of fuel, of which two of the three tanks have been completed with the third tank expected to be completed in the third quarter of 2024; and the purchase of materials necessary to complete construction and the staging of those materials for shipment to the MLA during the 2024 sealift.

See full release for more details on B2 Gold.

Blue Star Reports for Massive Sulphide Discovery, Pipeline Showings, NU

[Blue Star Reports Initial Assay Results for Massive Sulphide Discovery, NU](#)

On September 5, **Blue Star Gold Corp. (TSXV: BAU) (OTCQB: BAUFF) (FSE: SWP0)** provided an update on the critical minerals component of its exploration program at the Ulu and Roma Projects in the Kitikmeot region of Nunavut.

Assay results are available for the first of five drill holes completed on the HI01 target on the Roma Project. This target is being renamed the **Ataani Target**; Ataani having the meaning of underneath/beneath in the local dialect. This name reflects the discovery of the massive sulphide lens below a flat lying diabase sill.

Highlights

- First drill hole on Ataani returns **17.1 metres of 0.973% copper equivalent**
 - Or 17.1 metres of 0.42% Cu, 1.43% Zn, 0.03% Pb, 9.19 g/t Ag, and 0.13 g/t Au
 - Or gold equivalent grade of 1.563 g/t over 17.1 metres
 - Includes 2.0 metres from 228.3 to 230.3 metres of zinc rich mineralization grading 0.08% Cu, **10.95% Zn**, 0.11% Pb, 4.33 g/t Ag, and 0.12 g/t Au and 3.5 metres from 236.3 to 239.8 metres of copper rich mineralization grading **1.46% Cu**, 0.15% Zn, 0.01% Pb, 25.68 g/t Ag and 0.293 g/t Au
- A **37.25 metre** mineralized zone of stringer to massive sulphides was intersected in the second hole drilled downdip (assays are pending)
- All five Ataani drill holes (total of 1,365 metres drilled) intercepted massive sulphide mineralisation

Grant Ewing, CEO of Blue Star stated, "This is the first exploration program where we have focused on gold exploration and assessing some of our high priority critical mineral targets. Blue Star's exploration team delivered an excellent result with the discovery of the Ataani massive sulphide lens with the first drill hole on the target. There is substantial potential for the discovery of additional near surface massive sulphide lenses in the immediate area as the gossan trends under a small lake to the south, and only ~20% of the HI01 property has been evaluated to date. Being proximal to the proposed Grays Bay Road (~6 km) and the High Lake VMS Deposit (~12 km) is another excellent attribute of the Ataani discovery."



Photo Showing Massive Pyrrhotite & Chalcopyrite with Siliceous Clasts from DD24-HII-002 which Intersected a 37.25 Metre Mineralized Zone.

[Blue Star Announces Exploration Results, Advances Pipeline Showings](#)

On August 21, **Blue Star Gold** provided an update on the 2024 exploration program at its Ulu Gold Project and Roma Project in the Kitikmeot region of Nunavut (Figure 1). Approximately 4,000 metres of drilling have been completed with initial assays expected in the coming weeks. Sample results from the early season field-based prospecting program are presented below.

Highlights

- 16 diamond drill holes for ~4,000 metres across five main target areas have been completed, including:
 - HI, Mikigon, Penthouse, Gnu Zone (Nutaaq), and the Flood Zone
 - Assays pending
- Pipeline showing evaluation results from Cygnet (Roma) returned strong gold values including 13.5 grams per tonne gold ("g/t Au") and 56.5 g/t Au
- Sampling at Gabbro Breccia (Ulu Gold Project) returned 16.0 g/t Au and 8.49 g/t Au
- Roma Main zone extended another 300 metres to the southeast to over 800 metres of strike length
- Pipeline showings along Snofield Lake (Roma) returned 6.21 g/t Au, 3.67 g/t Au, 497 g/t silver and 5.3% lead

[Aston Bay: Airborne Geophysics & Expanded Claims at Epworth Project, NU](#)

On August 29, Aston Bay Holdings Ltd. (TSXV: BAY) (OTCQB: ATBHF) reported on sampling, mapping and geophysical programs underway at the Epworth Project in Nunavut.

Highlights

- Property-wide 8,105 line-kilometre (line-km) helicopter-borne MobileMT electromagnetic ("EM") geophysical survey is underway to identify copper exploration targets and delineate regional and property-scale structures
- 9 claims added for an additional 11,900 hectares ("ha") (119 square kilometers ("km²")) to claims package now totaling 89,000 ha (890 km²)
- Prospecting, sampling and mapping program now complete
- Nearly 400 grab rock samples and 44 lake sediment samples collected for assay, 50 samples for petrological study

Thomas Ullrich, Chief Executive Officer of Aston Bay, commented:

“We are excited to be working on our second high-grade copper project in Nunavut. Epworth has proven high-grade copper-silver-zinc mineralization at the surface, like our Storm Project, along with intriguing kicks of cobalt and gold.

“The prospecting team from Emerald Geological Services has just wrapped up their sampling program and Dr. Elizabeth Turner has completed her initial mapping program. Encouraged by the preliminary results, we have staked an additional 119 km²; our claims package now exceeds 890 km².

“The MobileMT geophysical survey is now underway property-wide. This innovative method utilizes the natural energy of lightning strikes across the globe to produce electromagnetic fields to detect anomalies in the subsurface. The method has been proven effective in delineating both primary targets and structures in similar mineralization elsewhere and has recently been deployed at other projects in Nunavut. In addition to these new surveys, our consultants are digitizing and reinterpreting several historical geophysical surveys to assist in our understanding of the geological environment.

“We are eager to begin compilation of the new and historical data to assist in targeting for anticipated drilling next year.”

Bruce MacLachlan from Emerald Geological Services, vendor of the Epworth Property, added:

“The recent prospecting and mapping program was highly successful, having discovered significant new copper mineralization and having gained a better understanding of historical showings. The results of the program, in conjunction with the ongoing geophysical survey and studies carried out by Dr. Elizabeth Turner, will guide the next phase of exploration as we hone in on the best target areas for future groundwork and drilling.”

Storm Project, NU update: Cu Assays, New Cu Discovery, Direct Shipping Ore

[Aston Bay and American West Metals Announce 13% Copper in Assays at the Cyclone Deposit and a New Copper Discovery at the Storm Project, Nunavut, Canada](#)

On September 3, Aston Bay Holdings Ltd. (TSXV: BAY) (OTCQB: ATBHF) provided an update on drilling activities and geophysical surveys at the Storm Copper Project on Somerset Island, Nunavut. The exploration program is being conducted by American West Metals Limited (“American West”), who is the operator of the Project. Aston Bay and American West have formed a 20/80 unincorporated joint venture in respect of the Storm Project property, with Aston Bay maintaining a free carried interest until a decision to mine upon completion of a bankable feasibility study.

Drilling Highlights

- Drilling surpasses 20,000 metres (“m”) with 128 Reverse Circulation (RC) drill holes and 14 diamond drill holes now completed in 2024 at Storm and Tempest
- Drilling continues 24/7



Location of the Epworth Project, Nunavut.

- The resource potential of the Cyclone Deposit is further highlighted with exceptional high-grade copper intervals confirmed by assays including:
- Drill hole SR24-057 has intersected:
 - 1.5m @ 13.5% copper (“Cu”), 23g/t silver (“Ag”) from 54.9m downhole, and,
 - 3.1m @ 2.0% Cu, 8.0 g/t Ag from 85.3m downhole, and,
 - 1.5m @ 1.8% Cu, 3.0g/t Ag from 109.7m downhole
- Drill hole SR24-035 has intersected:
 - 3.1m @ 3.9% Cu, 10.5g/t Ag from 57.9m downhole, including,
 - 1.5m @ 5.9% Cu, 16.0g/t Ag from 57.9m downhole, and,
 - 4.6m @ 1.4% Cu, 5.0g/t Ag from 71.6m downhole, including,
 - 1.5m @ 3.1% Cu, 11.0g/t Ag from 71.6m downhole
- Drill hole SR24-031, located outside of the known zone of mineralization, has intersected:
 - 27.4m @ 1.1% Cu, 3.5g/t Ag from 96m downhole, including,
 - 4.6m @ 3.1% Cu, 7.7g/t Ag from 109.7m downhole

Thomas Ullrich, Chief Executive Officer of Aston Bay, commented: *“The outstanding results keep coming in from the exploration program conducted by our partner American West at Storm. The drilling, which has exceeded the planned 20,000m of drilling, continues to expand the known areas of copper mineralization with more RC and diamond drill holes underway.*

“In addition, we have made another significant copper discovery, named “Squall,” by drilling a blind MLEM geophysical target. This is the second discovery from drilling MLEM anomalies this year. Both discoveries are in the little-explored Southern Graben area where there is no outcropping copper mineralization, spotlighting both the growth potential for a resource at Storm and confirming the effectiveness of MLEM in pointing the way to copper discoveries.

“The diamond drill has just started spinning on a new MLEM target located below the Cirrus deposit. The configuration of this large 1,300m x 500m anomaly suggests a potentially mineralized horizon with feeder faults as predicted by the geological model and as seen elsewhere at Storm. With the positive hit rate drilling EM targets at Storm, we eagerly anticipate seeing this core.

“Exploration activities at the Tornado, Blizzard, and Tempest areas are also yielding very compelling targets, with additional work, including drilling, underway.”



Figure 1: Drill core from ST24-01 from approximately 315.4 – 318m downhole. Dense veins and breccia of visible chalcocite (copper sulfide) can be seen as dark sooty grey, within light grey/tawny dolomite host rocks. This interval also contains blebs of native copper (metallic mineral, top right)

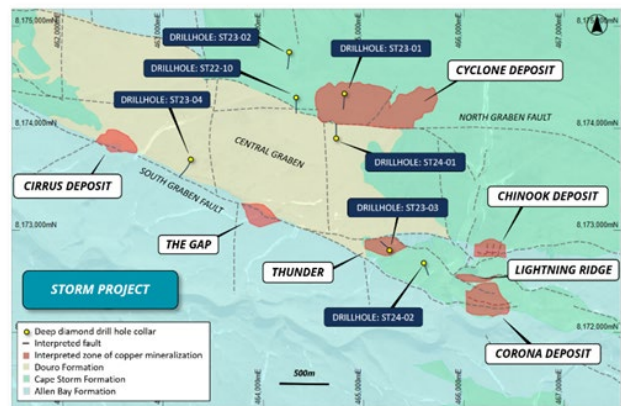


Figure 2: Plan view of the Storm area showing the geological interpretation, known copper deposit outlines, major faults, and deep diamond drill hole locations.

[Large-Scale Cu Targets at Depth Take Shape at Storm Project, Nunavut](#)

On August 22, Aston Bay Holdings announced diamond drilling has intersected new zones of copper at depth as the deep search EM survey identifies a 1,300m x 500m anomaly for drill testing

Highlights

100% hit rate continues for the deep diamond drilling with thick intervals of visual copper mineralization intersected at depth below the known near-surface copper deposits

The drilling confirms the large lateral extent of the Storm copper system at depth – now intersected over 10 square kilometres – and highlights the potential of Storm to host large-scale stratigraphic and structurally hosted high-grade copper deposits similar to those in the Central African Copperbelt

Drill hole ST24-01 has intersected a combined total of 21.3 metres (“m”) of visual copper mineralization, which includes:

- 6.37m of visual copper sulfide from 293.7m downhole, and
- 2.43m of abundant visual copper sulfide from 302m downhole
- 12.5m of visual copper sulfide from 311m downhole, including
 - 4.6m of abundant visual native copper and copper sulfides from 315.4m downhole

Drill hole ST24-02 has intersected a combined total of 99.2m of visual copper sulfide, which includes highlights:

- 1.1m of abundant visual copper sulfide from 195.5m downhole, and
- 1.3m of abundant visual copper sulfide from 204m downhole, and
- 17.1m of moderate to abundant visual copper sulfide from 404.3m downhole

The deep search phase of the Moving Loop Electromagnetic (MLEM) survey has defined a 1,300m x 500m anomaly at depth below the Cirrus Deposit and The Gap Prospect, with target drilling now underway

Thomas Ullrich, Chief Executive Officer of Aston Bay, commented:

“The first two deep diamond drill holes of this season have hit an impressive amount of visual copper mineralization of the same style as we see in the high-grade near-surface deposits. When added to the five deep holes drilled over the 2022 and 2023 seasons in a 10 square kilometre area, all of which hit copper and associated sulfide mineralization at depth, the “Storm Deeps” drilling is developing into a compelling exploration story.

“The two new holes were drilled on structural and stratigraphic targets before the completion of the new deep-looking geophysical surveys that have yielded large, strong anomalies at the same stratigraphic level as the copper intercepts in the deep holes. These electromagnetic surveys have proven very successful in targeting copper mineralization at Storm, and I expect the upcoming deep holes, including one currently underway, will benefit from improved targeting of potentially higher-grade and larger zones of copper mineralization. I am eager to see what the drill rig reveals in the coming weeks.”

[Editor’s note: see full release for more]

[Direct Shipping Ore development potential confirmed at Storm Copper, NU](#)

On August 12, American West Metals Limited (ASX: AW1) reported the results of the recent scoping level test work completed on mineralisation from the Storm Copper Project (**Storm** or **the Project**) on Somerset Island, Nunavut, Canada.

- Metallurgical study and test work program on representative Cyclone and Chinook Deposit mineralisation has successfully generated commercial grade Direct Shipping Ore (DSO) products
- The two-circuit, ore sorting and Inline Pressure Jig (IPJ) stream is capable of a range of DSO concentrate grades with excellent yields of copper
- Production modelling with a nominated 1.5 million tonnes per annum throughput delivers:
 - Deposit at 1.2% Cu to 1.5% Cu feed grades,
 - **16-22% Cu concentrate, 10-14ktpa Cu metal**
 - Chinook Deposit with 1.5% Cu feed grade,
 - **16-22% Cu concentrate, 15-16ktpa Cu metal**
 - Estimated capital of **US\$18-23M** DSO plant costs and **US\$4/tonne** processing costs
- DSO process can be easily optimised to suit increased mining production rates and selective concentrate grades
- Ongoing test work has shown further upside potential and includes continuing variability, comminution and optimisation studies on the Cyclone, Chinook, and Thunder Deposits
- The development opportunity has excellent ESG outcomes with a very small environmental footprint and zero deleterious elements
- Resource infill and expansion drilling continues toward delivering an upgraded Mineral Resource Estimation – significantly building on the current JORC Code 2012 MRE of 17.5Mt @ 1.2% Cu, 3.4g/t Ag (205Kt Cu, 1.9Moz Ag)

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

“We are extremely pleased to announce a major milestone for the Storm Copper Project with spectacular results from the DSO processing study. The program has produced commercial grade DSO products from typical copper ores through an uncomplicated and low-cost process. This is game changing for the Storm project and world leading in terms of copper processing innovation and performance.

“The process of generating DSO at Storm is amazingly simple and highlights our Company’s focus on generating ESG sensitive and low capital development solutions. Storm Copper now stands out as one of the very few, and highest-grade DSO copper opportunities globally.

“This proof-of-concept processing option for Storm significantly derisks the project from a development, funding and permitting perspective. Whilst the drilling rapidly advances the resource and exploration program, our shareholders will be encouraged to see that we are also progressing these other high value initiatives.”

More...

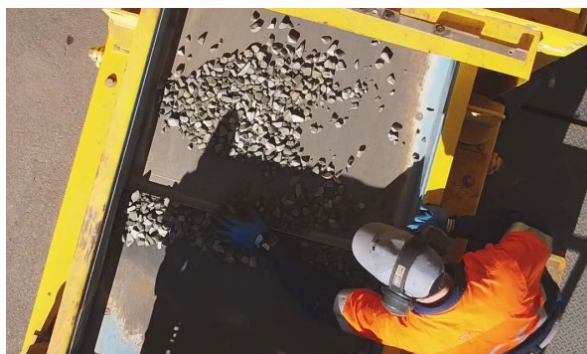


Figure 1: Storm copper mineralisation being processed by a full scale Steinert ore-sorter in Perth, Australia.

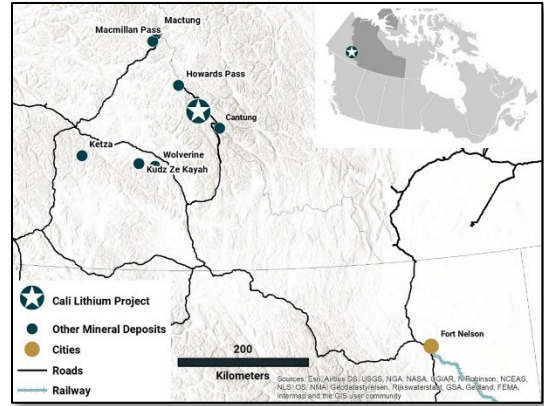
[**LIFT Quadruples the Size of the Cali Property Through Staking**](#)

On September 3, Li-FT Power Ltd. (TSXV: LIFT) (OTCQX: LIFFF) (Frankfurt: WSO) reported that the Company has increased its land position at the Cali Project by staking an additional 9,681 hectares of contiguous claims within the Little Nahanni Pegmatite District, Northwest Territories, Canada. The

recently staked claims have outcropping spodumene pegmatites which are the continuation of Cali dyke swarm that LIFT has defined to date.

Lands to the northwest of LIFT's current tenure became available following the Government of Canada's approval of an amendment to the Sahtú Land Use Plan (the Nááts'??hch'oh Amendments) in June of 2024. The amendment package allows new staking to be completed in the area and was previously approved by the Sahtú Secretariat Incorporated and Government of the Northwest Territories in 2019.

Francis MacDonald, CEO of LIFT comments: *“Acquiring new areas through staking is the most cost-effective way to increase a company’s land position. The newly staked ground has outcropping spodumene deposits that are continuations of our existing deposits and increases the overall size potential of the Cali Project”.*



Location of Cali Property, NWT

LIFT Provides Update on Acquisition of Shorty West Lithium Claim

LIFT announces that at the request of Infinity Stone Ventures Corp. (CSE:GEMS), it has terminated the mineral property purchase agreement dated July 17, 2024 regarding the Shorty West Lithium mineral claim (the “Claim”). In connection with the termination, beneficial ownership of the Claim, which is adjacent to the Company’s Yellowknife Lithium Project, was transferred to an arm’s length private entity. The Company has now entered into a mineral property purchase agreement dated August [16] 2024 with that entity to acquire the Claim in consideration of the issuance 12,000 common shares, which is the same consideration which was offered to Infinity Stone. The shares, once issued, will be subject to applicable resale restrictions under Canadian securities laws. The completion of the acquisition is subject to the approval of the TSX Venture Exchange. No finder’s fees are payable in connection with the acquisition.

LIFT Announces Issuance of DSUs

The Company announces that it has granted 7,544 deferred share units (“DSUs”) to certain independent directors of the Company in lieu of interim director fees previously paid in cash, at a fair market value of \$2.65 per DSU. The DSUs were granted pursuant to the Company’s Omnibus Share Incentive Plan, which was approved by shareholders on February 13th, 2024. Each DSU represents the right to receive one common share in the share capital of the Company. The DSUs will vest on August 31st, 2025, and are settled in accordance with the terms of the Share Incentive Plan, a copy of which is available on the Company’s SEDAR+ profile .

[Midas receives assay results from first channel sample, Argus pegmatite, NWT](#)

On August 27, Midas Minerals Ltd (“Midas”, or “the Company”) (ASX: MM1) announced results from first-pass channel sampling completed at Aylmer project in the Northwest Territories.

In December 2023, Midas announced the discovery of the Argus pegmatite swarm on the Company’s 100%-owned Aylmer claims, 330km east of Yellowknife (refer to ASX announcement dated 12 December 2023).

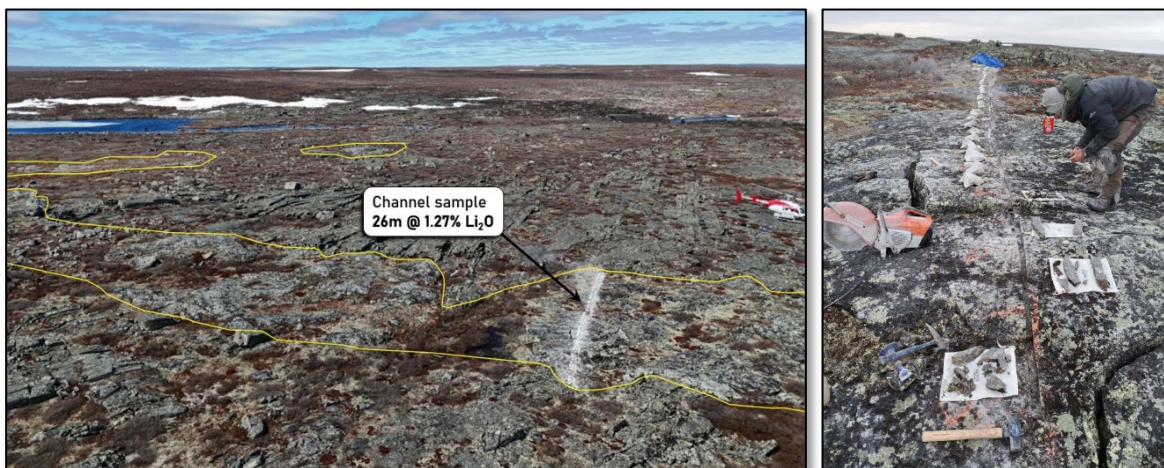
A single 26m channel sample (approximate true width) returning 1.27% Li₂O completed on the Argus pegmatite confirms the abundance and distribution of spodumene across the pegmatite. This result

emphasizes the value and potential of this greenfield discovery by Midas' technical team. In July this year, the Company also announced its discovery of 17 additional spodumene pegmatites (refer ASX announcement dated 10 July 2024) containing abundant coarse spodumene.

Midas Managing Director Mark Calderwood commented: *“The Argus pegmatite is mineralised with coarse spodumene throughout, besides the chilled margins. A 12m northern portion of the pegmatite channel averaged 1.75% Li₂O, which highlights the high-grade nature of mineralisation over significant widths, providing further weight to the potential of the Aylmer spodumene pegmatites. “Material from this initial channel sampling has been retained for future mineral characteristics test work.”*

Highlights

- Channel sample results: 26m at 1.27% Li₂O,1 including higher grade zone of 12m at 1.75% Li₂O
- Individual 1m intervals returned higher grades of up to 2.86% Li₂O
- Argus pegmatite swarm is exposed for approximately 400m of strike
- Results emphasize the greenfield potential of the Aylmer Project, with an additional
- 17 pegmatites mapped to date



Left: Drone image of channel sampling completed on Argus, looking in a northerly direction (mapped pegmatite outcrop – yellow polygons), note Bell Jet Ranger helicopter on right. Right: Image of channel sampling process at Argus.

White Cliff Minerals identifies Bonanza Grade Silver, and new zones, NWT

[Bonanza Grade Silver identified ±550 metres from historic silver mines, NWT](#)

On August 27, White Cliff Minerals Limited announced it has received the final batch of assay results from rock chip samples taken during the maiden field program at the Great Bear Project, Northern Canada. Results confirm extraordinary silver grades from epithermal structures and polymetallic results from skarn-style mineralisation.

- Truly outstanding silver results from Slider mark another high-grade discovery. Approximately 550m along strike to the NW from the two historical producing underground silver mines that produced 34,200,000oz of refined silver
- Slider, a significantly expanded silver region a newly defined area of interest of at least 1.5km x 1.5km:
 - includes a newly identified westerly extension of the two historical silver mines which includes a zone of native silver bearing breccias

- Results from Slider include bonanza silver concentrations shown below as percentage of silver, grammes of silver and ounces of silver:
 - 7.54% Ag (75,439g/t Ag or 2,425 Oz/t Ag) (F005907)
 - 0.91% Ag (9,070g/t Ag or 291 Oz/t Ag) (F005908)
 - 5.35% Ag (53,506g/t Ag or 1,720 Oz/t Ag) (F005909)
 - 0.71% Ag (7,100g/t Ag or 228 Oz/t Ag) (F005415)
 - 0.18% Ag (1,840g/t Ag or 59 Oz/t Ag) (F005416)
 - 0.27% Ag (2,700g/t Ag or 87 Oz/t Ag) (F005417)
- Additional newly identified E-W structural trend within the Slider region identified over ±450m of strike length returned assays up to 904g/t Ag, 6.5% Cu and 8.1% Zn (F005606)
- A similar mineralised structure, sampled over 450 m N-S also returned 383g/t Ag and 13.6% Cu (F005649)
- Charlie, a skarn horizon covering a strike of approximately 900m, previously identified by state geologists has returned consistently high-grade polymetallic results adding further depth to the metal basket at Great Bear:
 - 9.8% Cu 233g/t Ag 1.7% Pb 2.4% Zn (F005408)
 - 8.3% Cu 135g/t Ag (F005407)
 - 3.4% Cu 24g/t Ag 0.24% Tungsten (F005405)

From Troy Whittaker - Managing Director: *“Well, this not something you see every day, let alone to find on surface during a maiden field program - possibly the highest grade silver results published in recent history. It’s remarkable that the team has now delineated a total of six high grade Copper, Gold and Silver mineralised districts at Great Bear. Results to date have included massive, mineralised contents of 42.6% Cu, 42.2% Cu, 39.5% Cu, 38.2g/t Au, 29.7g/t Au and 716g/t Ag and, now, those results have now potentially been outshone by this silver discovery. To reel off, with consistency these results in a maiden campaign from around 15-20% of the overall Great Bear Project Area is great. If we are able to marry these results and structures up with the recently completed geophysics and prove depth potential we will be well placed for significant discovery.*

Extraordinary grade Copper, Gold and Silver assays received – White Cliff Minerals, NWT

- First batch rock chip assay results confirm high-grade large-scale potential of Great Bear Lake Project
- Initial assays from Phoenix results include 42.6% Cu, 38.2g/t Au and 310g/t Ag

On August 13, White Cliff Minerals announced first batch assay results from rock chip samples taken during the maiden field program at Great Bear Lake Project. Results confirm widespread high-grade precious and base metal mineralisation associated with multiple IOCG and epithermal systems.

“This initial batch of rock chip assays from Phoenix, the first project area to be sampled due to the proximity to the existing large airstrip at Great bear, has delivered outstanding initial results. Not only have we confirmed the historical results and sample locations, but we have expanded the area of known mineralisation at the project. This first success gives us great optimism regarding the other 4 project areas at Great Bear.

This remote and previously underexplored area has turned out to be a much larger metal rich hydrothermal system than previously thought. Historically seen as a series of sporadic high-grade results, this maiden mapping and sampling programme has confirmed for the first time a continuity and significant lateral extent of the known mineralisation.

Encouragingly Phoenix which is only the first of 5 project areas we have received assay results for, shows all the necessary characteristics of a major high-grade discovery with two major IOCG hydrothermal systems less than 2km apart with high grade epithermal mineralisation interspersed between these two larger areas and along a total strike length of 3.4km.”

“We anticipate continued assays over the coming month from the balance of work undertaken at Great Bear and I look forward to the release of these as they come to hand.

Forum Drilling Update, Aberdeen Uranium Project, Nunavut

On August 20, Forum Energy Metals Corp. (TSX.V: FMC; OTCQB: FDCFF) announced that drilling at Forum’s 100% owned Aberdeen Uranium Project has continued to intersect uranium mineralization, prolific structural and lithological controls and intense alteration at the Main and West deposits along the Tatiggaq Fault (Figure 1). A recent tour of Directors to the Aberdeen project and the Kiggavik Core Storage Facility with Forum’s Geological Advisor, Dr. Peter Wollenberg, who discovered two of the largest deposits at Kiggavik, verified that the uranium mineralization processes on Forum’s property are identical to the Kiggavik uranium deposits (Figure 2). Seventeen holes have been completed, totalling 4,307 metres along the Tatiggaq Fault within the 1.5km by 0.7km Tatiggaq anomaly (Figure 3). A total of 685 samples have been shipped to SRC Laboratories in Saskatoon, Saskatchewan for analysis. Results are expected by the end of September.

Rick Mazur, President & CEO stated, “We thank Orano for access to their drill core storage facility for the three deposits at the 133 million pound Kiggavik deposit. Our visit to the Aberdeen project and the Kiggavik core storage area validates our view that we are in an emerging uranium district for unconformity-style uranium deposits akin to the prolific Athabasca Basin.”

The Company has entered into Phase Two of its drill program. One drill has moved to the Qavvik deposit and Forum will now focus on a number of other high priority targets on the property for basement-hosted and sandstone-covered unconformity targets. The Company’s 30-person drill camp and crew have performed well over the summer (Figure 4). Drilling is expected to continue for another four to six weeks.



Forum’s newly-constructed 30-person drill camp located on Aberdeen Lake at west end of property

Vital Metals to optimize Tardiff flowsheet, hires corporate advisor to Board

[Vital to optimise rare earths processing flowsheet in Tardiff Scoping Study](#)

On August 14, Vital Metals Limited (ASX: VML) announced it has appointed Canada-based mineral processing consultancy Corem to complete processing testwork on samples from the Tardiff deposit at its Nechalacho Rare Earths Project in Northwest Territories, Canada.

Highlights

- Vital has appointed mineral processing consultancy Corem to establish a preliminary flowsheet for processing rare earths from Vital's Tardiff deposit in NWT, Canada
- Corem will undertake tasks such as a mineralogical study (incl. chemical analysis), grinding, separation methods, flotation, and baking and cracking tests
- Testwork aims to optimise flowsheet to allow Vital to achieve a suitable grade and recovery of REE
- Testwork is expected to be completed over the next three months
- Results will be included in a Tardiff Scoping Study, which is on track for completion by the end of CY2024.

The appointment comes as part of a Scoping Study underway for Tardiff and due for delivery by the end of CY2024. Vital recently announced the appointment of ERM Consultants Canada to lead the study¹.

Corem's scope of work aims to establish a preliminary flowsheet in order to recover the rare earth elements (REE) from samples at Tardiff by concentrating the ore via physical separation and flotation techniques. Once the optimal flowsheet is determined, it will evaluate the leachability of a Tardiff concentrate.

The work is expected to take approximately three months to complete.

Vital Managing Director Lisa Riley said: "Appointing Corem to undertake this work to optimise our flowsheet is another important step towards delivering a Scoping Study for Tardiff by the end of 2024. Corem has more than 25 years of expertise in mineral processes and processing and is an expert in this field and we are confident this work will help us determine the best way forward for developing processing capabilities at Tardiff."

[Experienced corporate advisor Zane Lewis joins Vital Metals Board](#)

On August 12, Vital Metals Limited (ASX: VML) announced the appointment of experienced corporate advisor and executive Zane Lewis as a Non-Executive Director. To maintain the Board at its current size, Paul Quirk has concurrently agreed to retire as a director, effective immediately.

Highlights

- Zane Lewis has more than 25 years' experience in corporate advisory, finance and M&A.
- Mr Lewis is a previous Executive Director of Vital Metals, and has extensive knowledge of VML's Nechalacho Rare Earths Project in Canada.
- He is Non Executive Chairman of ASX-listed companies Kairos Minerals (ASX: KAI) and Odessa Minerals (ASX: ODE) and a non executive director of Lion Energy (ASX: LIO).

Mr Lewis, the founder of SmallCap Corporate, has more than 25 years corporate advisory experience with various ASX and AIM listed companies. He is also the Chairman of Kairos Minerals (ASX: KAI) and Odessa Minerals (ASX: ODE), and a non executive director of ASX- listed companies Lion Energy (ASX: LIO)

Vital Chairman Richard Crookes said: “We are pleased to welcome Zane back to the Board of Vital Metals, bringing a depth of experience in corporate governance and finance roles, and helping to reshape our team following the recent appointment of Lisa Riley as our Managing Director and CEO.

Fortune Completes New Option to Acquire Alberta Refinery Site for NICO

Alex Mezei retained as Chief Metallurgist to supervise test work and process engineering

On August 19, **Fortune Minerals Limited (TSX: FT) (OTCQB: FTMDF)** announced it has entered into a new option agreement with JFSL Field Services ULC to purchase the brownfield industrial site in Lamont County, Alberta where it plans to construct its hydrometallurgical refinery. The Alberta Refinery would process metal concentrates from Fortune’s planned NICO cobalt-gold-bismuth-copper mine and concentrator in the Northwest Territories (collectively, the “NICO Project”) and provide a reliable domestic supply of Critical Minerals for the energy transition and other new technologies. The Alberta Refinery will produce cobalt sulphate for the North American lithium-ion battery industry, bismuth ingots (12% of global reserves) and copper cement - with more than one million ounces of in-situ gold as a countercyclical and highly liquid co-product. Fortune also has a process collaboration with Rio Tinto examining the feasibility of processing materials produced from Kennecott Smelter wastes in Utah at the Alberta Refinery to increase cobalt and bismuth production.

The JFSL site is comprised of 76.78 acres of lands adjacent to the Canadian National Railway in Alberta’s Industrial Heartland, an association of five municipalities northeast of Edmonton with planning approvals and tax incentives designed to attract heavy industry. The JFSL site is a former steel fabrication plant with more than 42,000 square feet of serviced shops and buildings situated near the services, sources of reagents, and commutable skilled worker pool already in place for the Alberta petrochemicals industry. These are expected to materially reduce capital and operating costs for the Alberta Refinery during construction and operations.

Fortune is also pleased to announce that Alex Mezei, M.Sc. P.Eng., has joined the Company as Chief Metallurgist. Mr Mezei will supervise the test work and process and design engineering for the NICO Project, which the Company is advancing with the recently announced government contribution funding totalling approximately C\$17 million (see news releases dated May 16, 2024 and December 5, 2023). Mr. Mezei is a Chemical Engineer with a more than forty years of diverse experience in international process engineering, test and pilot work, and economic assessments for a broad range of commodities around the world. This includes 22 years at SGS Mineral Services (“**SGS**”) in Lakefield, Ontario where he was Director, Engineering Technology Services, Metallurgical Operations, and Senior Metallurgist and notably, where he supervised the hydrometallurgical work for the NICO Project. Prior to SGS, Alex worked for Asea Brown Boveri as an instrumentation engineer, as a process research scientist at the Institute for Technological Engineering for Inorganic Chemistry and Nonferrous Metals in Romania, and as a production engineer at the Phoenix Metallurgical-Chemical Plant in Baia-Mare, Romania. Since retiring from SGS in 2016, Alex has worked as an Independent Consulting Metallurgist and Director of Metallurgy for Planetary Technologies.

Cornish Metals Completes Sale of Mactung and Cantung Royalties

On August 4, Cornish Metals Inc. (AIM/TSX-V: CUSN) ... United Kingdom, reports that it has completed the sale of its royalty interests on the Mactung and Cantung tungsten projects located in Northern Canada to Elemental Altus Royalties Corp. for a total cash consideration of US\$4,500,000 (see news release dated July 21, 2024). The first cash payment of US\$3,000,000 has been received by the Company, with the balance due by August 1, 2025.

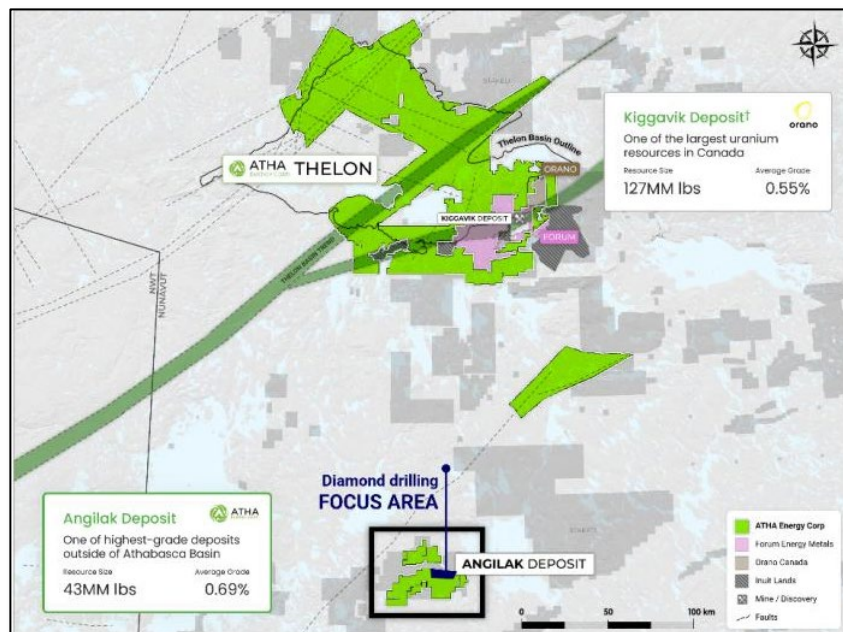
ATHA Maiden Exploration at Angilak, Expands Lac 50, Summer Update

[ATHA Maiden Exploration at Angilak Identifies Trends; Expands Lac 50](#)

On September 3, ATHA Energy Corp. (TSX.V: SASK) (FRA: X5U) (OTCQB: SASKF), holder of the largest uranium exploration portfolio in two of the highest-grade uranium districts in the world, is pleased to announce the completion of its 2024 Exploration Program at its 100%-owned Angilak Project in Nunavut. During Phase I: diamond drilling, which began in early June and continued through to late August, the Company completed twenty-five diamond drill holes for a total of ~10,051 m. Drilling targeted expansion along the Lac 50 Trend, as well as discovery and expansion along several regional targets, identified as the Lac 48, 52, and 54 Trends. All samples have been sent to SRC laboratories in Saskatoon, SK for assay analysis.

Highlights:

- The Angilak Project is host to the Lac 50 Uranium Deposit (the “Lac 50 Trend”), one of the largest high-grade deposits outside of the Athabasca Basin, with a historical mineral resource estimate of 43.3M lbs at an average grade of 0.69% U₃O₈. Drilling conducted by Latitude Uranium at the Angilak Project in 2023 intersected grades of up to 7.54 % U₃O₈ over 1.6 m.
- The 2024 Angilak Exploration Program has concluded after twenty-five diamond drill holes were completed between early June and late August for a total of ~10,051 m. **The program was highly successful and on budget.**
- All objectives were successfully achieved with the expansion of the historic footprint of mineralization along the Lac 50 Trend and the identification of new parallel mineralized trends called the Lac 48, Lac 52, and Lac 54 Trends.
- The Lac 48, Lac 50 (host to the historic Lac 50 Deposit), Lac 52, and Lac 54 Trends remain open in all directions with high prospectivity for further discovery and expansion of uranium mineralization. Additionally, untested areas between the newly identified trends are also prospective for discovery of new mineralized trends.
- **Regional Exploration at Angilak:** Thirteen holes were completed at prospective regional targets proximal to the Lac 50 Trend for a total of 5,167 m.



- **Mineral Expansion at the Lac 50 Deposit** – Twelve holes were drilled, targeting expansion of uranium mineralization beyond the modeled grade shells from the 2013 historic resource, for a total of 4,884 m.

[ATHA Energy Provides Summer Update of 2024 Exploration Programs](#)

On August 28, ATHA Energy Corp. (TSX.V: SASK) (FRA: X5U) (OTCQB: SASKF), holder of the largest uranium exploration portfolio in two of the highest-grade uranium districts in the world, is pleased to provide a summer update on its 2024 Exploration Program.

2024 Angilak Exploration Program

- ATHA’s diamond drill exploration program at its Angilak Project, located in Nunavut, continues to successfully expand the mineralizing footprint along the Lac 50 trend.
- The Company is on track to complete the program by early September.

[View Details here for Saskatchewan program too](#)

Canadian North Resources Q2 Financial & Operational, Community Grant

[Canadian North Resources Inc. Reports Financial Results and Operational Update for the Second Quarter Ended June 30, 2024](#)

On August 27, Canadian North Resources Inc. (TSXV: CNRI; OTCQX: CNRSF; FSE: E00 (E-O-zero)) reported its operational and financial results for the second quarter ended June 30, 2024.

Highlights:

- Filed the new National Instrument 43-101 Technical Report that defines the large and high-grade Mineral Resources at the Ferguson Lake Project (Table 1). 80% of the Indicated Mineral Resource is Open Pit, which provides a solid Mineral Resource base for the initial development of a potential large mine.
- Planned geophysical programs for generating new exploration targets with significant resource upside potential along strike and down dip of the 15 km long main mineralized horizon and on additional zones including M-Zone, A51-Zone, West Zone Extension, West Zone South and South Discovery Zone (Figure 1).
- Based on the new Technical Report, planned new metallurgical tests, community engagement programs and economic evaluation and infrastructure and environmental studies for low-carbon footprint mine development at the Ferguson Lake Project.

Dr. Kaihui Yang, the President and CEO, commented: “During this quarter, we filed the new National Instrument 43-101 Technical Report that demonstrates the Ferguson Lake project is one of the highestgrade and largest undeveloped copper, nickel, cobalt, palladium and platinum projects in North America (Refer to “Independent Technical Report on the Mineral Resource Estimate for the Ferguson Lake Project, Nunavut, Canada (“the Technical Report”)”, prepared by SRK Consulting and Ronacher McKenzie Geoscience Inc., effective March 19, 2024, filed by the Company to the System for Electronic Document Analysis and Retrieval (“**SEDAR+**”) through the Internet at <https://www.SEDARplus.ca/> on May 3, 2024. The Technical Report has also been posted on the Company’s website at www.cnresources.com).

Canadian North Resources Received Grant for Community Engagement

On August 22, Canadian North Resources announced that it has been awarded a grant for its Community Engagement Support Program (“CESP”) from the Government of Nunavut, represented by the Minister of the Department of Economic Development & Transportation (EDT).

The CESP aims to support the Company’s ongoing community engagement activities in Nunavut through contributions to cover costs associated with engagement and consultation work required during the permitting and regulatory stages of an exploration project.

Under CESP, the Company has signed the CESP Contribution Agreement (“the Agreement”) that the Government of Nunavut will contribute \$98,875, with an initial payment of \$49,437.50, which has just been received. The balance is expected upon the submission of a final report to be completed on January 31, 2025.

The funds will be used to facilitate community engagement activities, including community site visits and focus groups at Ferguson Lake, translation of materials to ensure all communications are accessible and inclusive, and professional services related to community outreach. The Company has planned the community engagement program and the environmental reconnaissance study for the Ferguson Lake project to be conducted late this summer.

Dr. Kaihui Yang, the Company’s President and CEO, emphasized the importance of this Agreement: “We are committed to building strong, respectful, and productive relationships with the people of Nunavut. This support from the Government of Nunavut is pivotal in ensuring that our exploration activities are aligned with the values and expectations of local communities.”



Ferguson Lake camp and airstrip.

[NU Muskox Project Sampling Yields up to 19.5% Cu, 9.42% Ni, 107.3 g/t PGMs](#)

On September 9, SPC Nickel Corp. (TSX-V:SPC) reported assay results from its 2024 exploration program at the Company's 100%-owned 650 km² Muskox Ni-Cu-PGM Project located approximately 75 km south of the coastal Hamlet of Kugluktuk within the Kitikmeot Region of Nunavut (see release).

Results confirm widespread high-grade base and precious metal mineralization associated with multiple geological environments within the Muskox Intrusion. The Muskox Intrusion is one of the last undeveloped district-scale Ni-Cu-PGM prospects in the world. The Project shares a similar geological environment to many of the world's largest nickel-copper mining camps such as Norilsk, Voisey's Bay and Sudbury and represents an excellent opportunity to make a world class discovery.

Grant Mourre, President and CEO of SPC Nickel commented, *"Having spent more than 25 years exploring for magmatic Ni-Cu-PGM sulphides, I can say without a doubt that the Muskox Project represents one of the best undeveloped district-scale opportunities that I have ever seen. The presence of high-grade copper-PGM footwall veins with values up to 19.5% Cu and multiple ounces of PGM's is truly spectacular and uncommon outside of the known Ni-Cu-PGM districts. Our field work at Muskox, including this most recent program, has significantly advanced our understanding of the opportunity and leads us to conclude that previous exploration has only scratched the surface of the true potential of the Muskox Intrusion."*

[Gold Terra Announces Extension on Option to purchase 100% of Con Mine, NWT](#)

On September 9, Gold Terra Resource Corp. (TSX-V:YGT)(Frankfurt:TX0)(OTCQX:YGTFF) announced it has extended its four (4) year definitive option agreement with Newmont Canada FN Holdings ULC and Miramar Northern Mining Ltd., both wholly owned subsidiaries of Newmont Corporation ("Newmont"), to a six (6) year agreement which grants Gold Terra the option, upon meeting certain minimum requirements, to purchase MNML from Newmont FN (the "Transaction"), which includes 100% of all the assets, mineral leases, Crown mineral claims, and surface rights comprising the Con Mine, as well as the areas immediately adjacent to the Con Mine, as shown in Exhibit A (see full release).

Gerald Panneton, Chairman & CEO of Gold Terra, commented, *"We are pleased with our continued excellent relationship with Newmont who is also a shareholder of the Company. The extension of the Option Agreement to acquire 100% of MNML's Con Mine allows us to continue with our current drilling program designed to delineate more than 1.5 Moz in all categories with high-grade ounces along the prolific Campbell Shear structure below and around the existing mine workings. Our accomplishments to date include:*

- 1. Contained Indicated 109,000 ounces @ 7.55 g/t Au and Inferred 432,000 ounces @ 6.74 g/t Au near surface south of the Con Mine in the Yellorex area.*
- 2. Total drilling of **31,947 metres** to the end of 2023.*
- 3. Total spending of approximately C\$10.9 million to the end of 2023*
- 4. Current 2024 drilling of more than 3,000 metres testing the down plunge of the Campbell shear.*

The extended Option Agreement to six (6) years provides the Company more time to complete its evaluation before exercising its option to purchase 100% of MNML, the owner of the past-producing Con Mine, which produced more than 6.1 Moz (averaging 16 to 20 g/t Au) along the Campbell and Con Shear structures. Completion of the Option Agreement will consolidate the Company's strategic land position in the prolific Yellowknife Gold Belt and provide potential future development optionality. The former Con Mine is a world-class gold deposit and part of the prolific Yellowknife mining camp. (refer to [Gold Terra Oct 21, 2022, Technical Report](#)).

In Memoriam: Karen Margaret Gochnauer, 1955 – 2024

ON August 26, 2024, Karen passed away quietly and in comfort at the Stanton Territorial Hospital, surrounded by friends, their sweet messages, and the love of family, after an all too brief battle with cancer. She leaves behind her siblings Nancy, Bruce (Janine), and nephew Uki (Nicole) and her two grand-nieces Hana and Harper.

Many in our exploration industry will remember Karen from her work with the Northwest Territories Geological Survey.

Karen was a geologist by profession and by passion. After graduating from Carleton University, she worked in Winnipeg as an independent geologist, and then for Noranda, and spent much of her career as a District Geologist for the Government of the Northwest Territories. Karen genuinely loved rocks and would happily geek out with anyone at any time, whether they were geologists or not. She recently shared that her favourite rock was anorthosite, which she explained is notable for its high feldspar content and its iridescence.

Karen arrived in Yellowknife 30 years ago and soon became a part of the community. With an abundance of energy, she taught the art of Highland Dance and always performed at the annual Robbie Burns evening. Her love of dance extended to all forms, including Scottish Country, Modern, Jazz, Hip-hop, Ballet, and, for a break, just moving to music at parties, festivals, and with - and on - the rocks. She was a founding member of both Crazy Legs Contemporary Dance Company and later the Yellowknife Dance Collective. She took the stage for performances in Yellowknife, Fort Simpson, and Edmonton, and choreographed many original pieces. Karen was an inspiration to the Yellowknife dance community and was always generous with her time. Her energy and creativity impressed everyone from people trying dance for the first time to professional dancers. After watching or dancing with Karen, a near-universal reaction was “I want to be able to do that when I grow up.”



After retirement, Karen took her Yoga teacher training and taught Yoga at various venues around Yellowknife. She also travelled to Mexico for regular Yoga retreats. When Karen was not dancing, choreographing, or teaching, she tried her hand at painting and fibre arts. She also found joy in a wide range of books, music, and visual arts.

Karen had a love for her community and the outdoors and was often spotted walking (or dancing) along the rocks in Old Town, skiing Back Bay, biking up town or paddling one of the numerous lakes around Yellowknife. There was never a community event that Karen did not find time to attend with her infectious smile. Karen was able to get outside with friends in the sunshine, trees, and rocks at the hospital the day before she passed, which was a delight to her and a comfort to all her friends.

We will celebrate the life of Karen in the fall, and all are welcome to come and participate. Details will follow.

In memory of Karen please feel free to make donations to the Canadian Cancer Society to continue efforts to beat this disease that takes too many from us too soon. Further research to end the fight against cancer was one of Karen's final wishes.

A special thanks for the care that Karen received from the Stanton Territorial Hospital, her support group, the Bushrat Pack, the dance and yoga communities, and her family.

(Editor's note: Karen enjoyed a re-enactment of the Beer Barge's arrival during 12 IKC – through the buffeting of the barge by the waves she had a great smile!)

Calendar of Events

- [2024 Yellowknife Geoscience Forum](#), The 52nd annual event will be held in Yellowknife from November 26-28, 2024.
- [AME Roundup 2025 Conference](#), Monday, January 20 to Thursday, January 23, 2025, at the Vancouver Convention Centre East.
- [2025 Northern Lights Conference](#), Montreal, PQ.
- [PDAC 2025](#), The World's Premier Mineral Exploration and Mining Convention, March 2-5, 2025, Toronto, Canada.
- [2025 Nunavut Mining Symposium](#), April 7 to 10, 2025, Iqaluit, Nunavut

Welcome our latest Member!


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

- **Sysco** is the global leader in selling, marketing and distributing food products to restaurants, mining operations and exploratory services, healthcare and educational facilities, lodging establishments and other customers who prepare meals away from home. Each operating region employs local associates to support each locality's Sysco customers. A resident of the north for almost 25 years, Kaven Paradis is the Sales consultant who manages the NWT and NU is Kaven Paradis, bringing a passion for the industry and a hunger to help his customers succeed. Visit their website [here](#).

Chamber of Mines' social media

Follow via live [X](#) and [Facebook](#) links.





**NWT & NUNAVUT
CHAMBER OF MINES**
Established 1967

Northern Mining News is written and published by the NWT & Nunavut Chamber of Mines for free distribution electronically to those interested in the northern minerals industry. [Subscribe](#) on our website.

For further information contact us at:
#4-5120 49 Street, Yellowknife, NT X1A 1P8
Email: info@miningnorth.com
Website: www.miningnorth.com

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	In July 2023, Burgundy Diamond Mines became the 100% owner of Arctic Canadian Diamond Company	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.	9 September 2024: Amended – Burgundy Diamonds: Positive indications for Misery mine life extension 5 September 2024: Burgundy Diamonds: Positive indications for Misery mine life extension 14 August 2024: Burgundy concludes reclamation surety bonds agreement 23 July 2024: Burgundy Diamond Mines second-quarter 2024 investor conference call 11 July 2024: Mine life extension work: Ekati Misery underground mine
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.	8 November 2023: Rio Tinto appoints new Chief Operating Officer to Diavik Diamond Mine 10 August 2023: Rio Tinto to build the largest solar power plant in Canada's North 23 February 2023: Rio Tinto to proceed with underground mining of Diavik's A21 pipe
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.	21 August 2024: Mountain Province Updates Gahcho Kué LOM Plan, Mineral Resource & Reserve 25 July 2024: De Beers Interim Financial Results for 2024 18 July 2024: De Beers Production Report for the Second Quarter of 2024 25 July 2024: Mountain Province Diamonds Announces Second Quarter 2024 Production and Sales Results, Details of Second Quarter 2024 Earnings Release and Conference Call 9 May 2024: Mountain Province Diamonds Announces First Quarter Financial Results for 2024 22 April 2024: Mountain Province Diamonds Announces First Quarter 2024 Production and Sales Results, Details of First Quarter 2024 Earnings Release and Conference Call
Nechalacho	Vital Metals (Cheetah Resources)	Rare earth element concentrate	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	14 August 2024: Vital to optimise rare earths processing flowsheet in Tardiff Scoping Study 12 August 2024: Experienced corporate advisor Zane Lewis joins Vital Metals Board 31 July 2024: Vital appoints consultants for Tardiff Scoping Study 29 July 2024: Vital Metals' June 2024 Quarterly Report

NWT & Nunavut Chamber of Mines – Northern Mining News

			<p>grade rare earths deposits in the world.</p> <p>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>	<p>23 July 2024: Vital receives final drill results from Tardiff including 1.8m at 8% TREO from 6.7m</p> <p>19 July 2024: Vital receives A\$3.3M payment for rare earth stockpile</p> <p>15 July 2024: Vital announces Executive Management changes</p>
MON Mine	60 North Gold	Gold	<p>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>	<p>4 September 2024: Sixty North: Initial Assays Return High-Grade Gold Values up to 62.6 gpt from the A-Zone and DD-Zone</p> <p>26 August 2024: Sixty North Gold Mining Intersects East Limb of the Rich Gold-Bearing A-Zone</p> <p>1 August 2024: Sixty North Gold Mining Receives \$122,040 from Warrant Exercise, and Provides Update on Operations</p> <p>22 July 2024: Sixty North Gold Mining Intersects Two Gold-Bearing Quartz Veins During Mining Operation</p> <p>23 May 2024: Sixty North Gold Mining Issues Early Warning Report</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>29 November 2022: NorZinc Announces Independent Proxy Advisory Firm Glass Lewis Recommends Security Holders Vote FOR the Proposed Arrangement with RCF</p> <p>23 November 2022: NorZinc Announces Independent Proxy Advisory Firm ISS Recommends Security Holders Vote For the Proposed Arrangement with RCF</p> <p>19 October 2022, NorZinc Announces Receipt of Territorial Permitting Approvals for Construction of Phase 1 of the All-Season Access Road at Prairie Creek</p> <p>30 September 2022, NorZinc Enters into Arrangement Agreement in Connection with Proposed Acquisition by RCF</p> <p>26 September 2022, NorZinc Receives Final Mine Permits for Prairie Creek</p> <p>19 September 2022, NorZinc Announces Commencement of Access Road Staging Work at Prairie Creek</p>
NICO	Fortune Minerals Limited.	Cobalt-gold-bismuth-copper	<p>Proposed open pit and underground mine located 50 km NE of Whatì. 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</p>	<p>19 August 2024: Fortune Minerals Completes New Option Agreement to Acquire the JFSL Alberta Refinery Site for the NICO Project</p> <p>16 May 2024: Fortune Minerals Announces U.S. Government Funding to Accelerate the NICO Critical Minerals Project Development</p> <p>16 May 2024: Fortune Minerals Announces Government of Canada Funding for the NICO Critical Minerals Project</p> <p>8 April 2024: Fortune Minerals Announces Arrival of Samples at SGS Canada in Lakefield, Ontario for Metallurgical Testing</p>

NWT & Nunavut Chamber of Mines – Northern Mining News

			<p>construction of the 97-kilometre Tlicho Road to connect the community of Whati to the territorial highway system.</p>	<p>1 February 2024: Fortune Minerals Extends Option to Acquire Alberta Refinery Site for the NICO Critical Minerals Project</p> <p>5 December 2023: Fortune Minerals Announces Government Funding to Advance the NICO Critical Minerals Asset in Canada</p>
Pine Point	Pine Point Mining Limited	Lead-zinc	<p>Pine Point Pine Point Mining Limited Zinc Lead mine development project east of Hay River, NT. Estimates a potential 12-year LOM plan consisting mining mainly open pit mines with some shallow underground deposits (<130m). The overall objective is to achieve an average LOM production rate of approximately 11,000 tonnes per day. The updated 2024 MRE included 49.5Mt grading 4.22% zinc and 1.49% lead (5.52% Zinc Equivalent) representing approximately 85% of the declared tonnage. As well as an Inferred Mineral Resource of 8.3Mt grading 5.64% Zinc Equivalent.</p>	<p>27 March 2024: Osisko Metals Grants Stock Options</p> <p>22 February 2024: Osisko Metals Sells An Additional 5% Interest In Pine Point To Appian</p> <p>16 January 2024: Osisko Metals Reports 11 Metres Grading 14.71% Zn + Pb From Final Results Of The 2023 Pine Point Drill Program</p> <p>13 November 2023: Osisko Metals Reports Additional Drill Results from Pine Point with up to 10 Metres Grading 8.71% Zn + Pb</p>
Kennady North	Mountain Province Diamonds Inc.	Diamonds	<p>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>	<p>22 June 2023: Mountain Province Diamonds Announces Results of Annual General Meeting of Shareholders</p> <p>22 November 2022: Mountain Province Diamonds Completes 2022 Kennady North Exploration Program and Discovers New Kimberlite East of the Kelvin Kimberlite</p> <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>
Indin Lake	STLLR Gold Inc. (merger of Moneta and Nighthawk Gold Corp.)	Gold	<p>STLLR 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). Global indicated + inferred 4,017,600 ounces gold (Indicated estimates 2,687,100 gold ounces with estimated average grade of 1.44 g/t Au; Inferred mineral resource estimates of 1,330,500 gold ounces at 2.10 g/t Au)</p>	<p>1 August 2024: STLLR Gold Intersects 1.56 g/t Au over 62.30 m and 1.12 g/t Au over 99.40 m at the Colomac Main Deposit</p> <p>29 May 2024: STLLR Gold and Tlicho Investment Corporation Announce a Solar Farm Installation Agreement at the Colomac Gold Project</p> <p>25 March 2024: STLLR Gold Appoints Successor Auditor</p> <p>6 February 2024: Moneta Gold and Nighthawk Gold Complete At-Market Merger to form STLLR Gold Inc.</p> <p>29 January 2024: Moneta Gold and Nighthawk Gold Announce Overwhelming Approval for the Arrangement Agreement to form STLLR Gold Inc.</p>

NWT & Nunavut Chamber of Mines – Northern Mining News

<p>Yellowknife City Gold Project (+ Con Mine)</p>	<p>Gold Terra Resources</p>		<p>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.</p> <p>Being within 10 kilometres of the City of Yellowknife, the YCG project is close to vital infrastructure, including all-season roads, air transportation, service providers, hydro-electric power and skilled tradespeople.</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).</p> <p>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>9 September 2024: Gold Terra Announces a 2 Year Extension on Option Agreement with Newmont to November 21st, 2027 to purchase 100% of Past Producing 16 g/t Gold Con Mine, Yellowknife, NWT</p> <p>29 July 2024: Gold Terra Completes its Master Deep Hole at 3002 Metres to be Used for Wedge Holes Targeting the Prolific Campbell Shear, Con Mine Option Property, NWT</p> <p>22 May 2024: Gold Terra's Drill Hole Approaching the Prolific Campbell Shear with Current Downhole Depth at 2,265 Metres, Con Mine Option Property, NWT</p> <p>19 April 2024: Gold Terra Announces Closing of \$2.5 Million Private Placement, With Eric Sprott as a Lead Investor</p> <p>17 April 2024: Gold Terra Deep Drilling Intersects Con Shear and Gold in Hanging Wall as Hole Progresses Toward Campbell Shear Target, Con Mine Option Property, NWT</p> <p>11 April 2024: Gold Terra Announces \$2.5 Million Private Placement, with Eric Sprott as a Lead Investor</p>
<p>MacTung</p>	<p>Fireweed Metals Corp.</p>	<p>Tungsten</p>	<p>Mactung is the world's largest high-grade deposit of the critical mineral tungsten. Mineral resources total 41.5 Mt Indicated Resource at 0.73% WO₃ and 12.2 Mt Inferred Resource at 0.59% WO₃. In addition, an Exploration Target is estimated at 2.5 Mt to 3.5 Mt at a grade between 0.4% and 0.6% WO₃, within the mining shapes that constrain the Mineral Resource. The resource estimate includes estimates for the critical mineral copper in addition to gold and metallurgical test work is underway to determine recoveries of these by-product metals. Mactung is contiguous with Fireweed's Macmillan Pass zinc-lead-silver project, accessible by the North Canal Road, and provides potential for future project synergies.</p>	<p>6 August 2024: Cornish Metals Completes Sale of Mactung and Cantung Royalties</p> <p>22 July 2024: Cornish Metals Announces Sale of Mactung and Cantung Royalties</p> <p>12 March 2024: Fireweed Upgrades to Trade Shares on the OTCQX Best Market</p> <p>28 February 2024: Fireweed Makes Complete Drill Database Available and Launches New Website</p> <p>24 August 2023: Fireweed Appoints Alex Campbell As Vice President Of Corporate Development</p> <p>28 July 2023: Fireweed Metals Files Technical Report for its Mactung Project on SEDAR</p> <p>20 June 2023: Fireweed Announces Near-Term Plans for Mactung Project</p>
<p>Courageous Lake</p>	<p>Seabridge Gold Inc.</p>	<p>Gold</p>	<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>In 2023, the Company plans to commence a preliminary feasibility study for an alternative development plan for the project and determine the best path forward to unlock value.</p>	<p>11 April 2024: Seabridge Gold Announces 2024 Corporate Objectives</p> <p>16 January 2024: Seabridge Gold's Updated PFS for Courageous Lake Confirms Significantly Improved Project</p> <p>2023-05-03 Seabridge Gold's 2022 Annual Report is now available</p> <p>Media release 29 April 2021 Seabridge sells residual Red Mountain interest for US\$18 million</p>

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>31 July 2024: Agnico Eagle Reports Second Quarter 2024 Results - Third Consecutive Quarter of Record Free Cash Flow Underpinned by Consistent, Strong Operational and Cost Performance; Upper Beaver Project Study Shows Solid Risk-Adjusted Returns</p> <p>1 May 2024: Agnico Eagle Announces Renewal Of Normal Course Issuer Bid</p> <p>26 April 2024: Agnico Eagle Announces Election of Directors</p> <p>25 April 2024: Agnico Eagle Reports Q1 2024 Results - Strong Gold Production, Cost Performance, Record Cash Flow; 2023 Sustainability Report</p> <p>25 March 2024: Agnico Eagle Provides Notice of Release of First Quarter 2024 Results, Conference Call And Annual Meeting</p> <p>15 February 2024: Agnico Eagle Reports Fourth Quarter and Full Year 2023 Results - Record Quarterly and Annual Gold Production and Free Cash Flow; Record Mineral Reserves Increased 10.5%; Updated Three-Year Guidance</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	In 2021, Agnico Eagle acquired the Hope Bay mine 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	<p>See above.</p> <p>Internal evaluations are ongoing regarding various future production scenarios including the potential to operate a 4,000 tpd mine at Hope Bay that could ultimately produce 250,000 to 300,000 ounces of gold per year at reasonable costs and capital spending levels for at least 12 to 15 years. Current studies are only evaluating production from the Doris and Madrid deposits. Development of the Boston deposit could potentially enhance both the mine life and production profile. The Company is also evaluating whether to retrofit the existing Doris mill or build a new mill closer to the Madrid Deposit. Key permits and approvals required to construct</p>

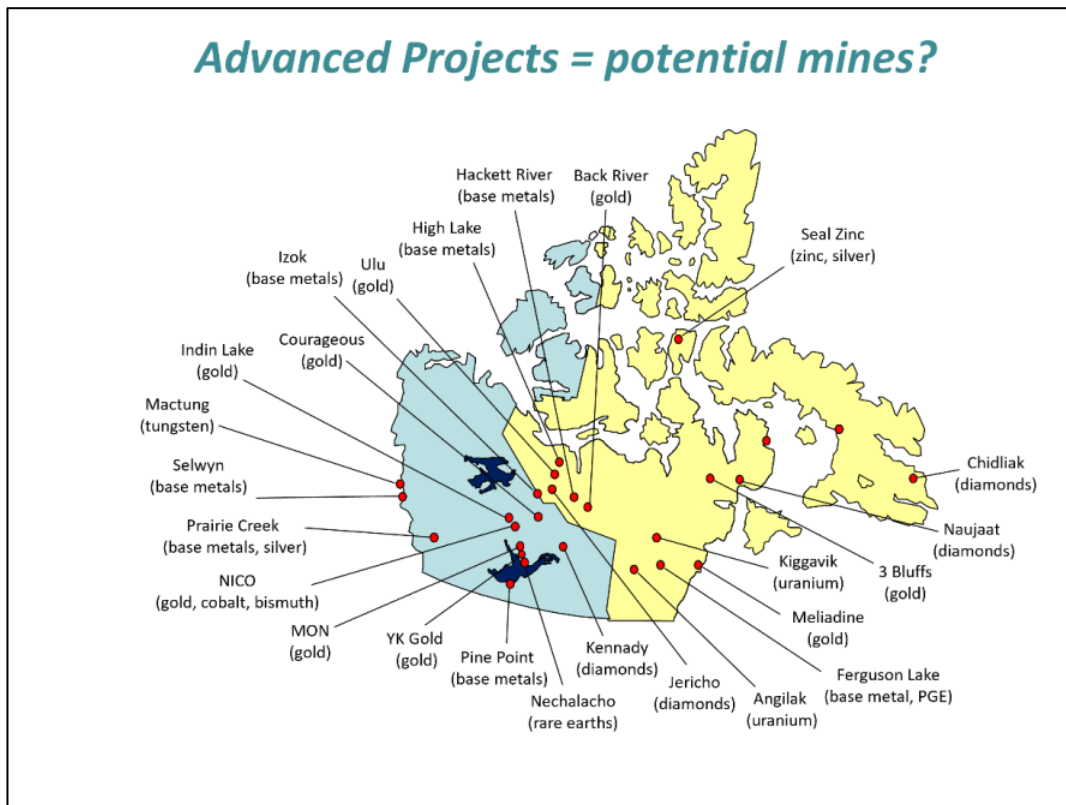
NWT & Nunavut Chamber of Mines – Northern Mining News

			through 2018. TMAC acquisition was officially completed February 2, 2021.	and mine the Doris, Madrid and Boston deposits at up to 4,000 tpd are already in place. However, any significant changes to the operational plans may require amendments to the existing permits.
Mary River Iron Mine	Baffinland Iron Mines Corporation	Iron	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>30 July 2024: Baffinland Iron Mines Announces CEO Resignation</p> <p>22 February 2024: ROGESA and Baffinland to Cooperate in Producing Low Carbon “Green” Steel</p> <p>25 July 2023: Baffinland and ThyssenKrupp to Cooperate in Producing Low Carbon Green Steel</p> <p>6 February 2023, Salzgitter Group and Baffinland to cooperate in producing low carbon green steel</p> <p>17 November 2022: Federal Minister Denies Baffinland Application on Phase 2</p>
Back River	B2 Gold Corporation	Gold	B2 Gold purchased the project from Sabina in April 2023. The Back River Gold Project 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 under construction. Capex modified to \$1,050 million. B2 Gold also owns a significant silver royalty on Glencore’s nearby Hackett River Project.	<p>8 August 2024: B2Gold Reports Q2 2024 Results and Updated 2024 Guidance</p> <p>24 July 2024: B2Gold Second Quarter 2024 Financial Results – Conference Call Details</p> <p>7 May 2024: B2Gold Reports Q1 2024 Results; Cash Operating Costs ... Update on Goose Project Following Successful Completion of 2024 Winter Ice Road Campaign</p> <p>15 April 2024: B2Gold First Quarter 2024 Financial Results – Conference Call Details</p> <p>21 February 2024: B2Gold Reports Strong Q4 and Full Year 2023 Results; Achieved 2023 Total Gold Production and ...</p> <p>14 February 2024: B2Gold Fourth Quarter and Full Year 2023 Financial Results – Conference Call Details</p>
Kiggavik	Orano Canada Inc. and Uranium Energy Corp.	Uranium	Proposed uranium mine 80 km W of Baker Lake. Estimated Construction jobs: 750 Estimated mine jobs: 600. The project is composed of two sites, the Kiggavik site with three deposits (Main Zone, Centre Zone, & East Zone), and the Sissons Site about 17 km to the southwest with two deposits (Andrew Lake Zone & End Grid Zone). The 2011 IFS proposed mining of four of the five deposits by open pit, with one underground mine at the End Grid Zone. Projected mine production was scheduled over 14 years with a nameplate mill capacity of approximately 9.9 million lb U ₃ O ₈ / year.	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.
Chidliak	De Beers Group	Diamonds	Located 120kms NE of Iqaluit, Nunavut, and 180 km S of Pangnirtung. 74 kimberlites	Media release 9 July 2020 De Beers Group: Inuit firm successfully completes critical Chidliak maintenance

			<p>discovered with 8 potentially economic on 317,213-hectare site. Positive Phase One PEA, updated May 2018 highlights:</p> <ul style="list-style-type: none"> • After-tax payback of 2.2 years • Life of mine 13 years • Resource at CH-6 and CH-7 exceeds 22 million carats • Pre-production capital requirement ~\$455m, incl \$95m for access road from Iqaluit, \$55m in contingency • Pre-tax NPV(7.5) of \$1069 million and a pre-tax IRR of 38.6% • After-tax NPV(7.5) of \$679 million and an after-tax IRR of 31.1% 	
Naujaat Diamond Project	North Arrow Minerals partnered with Burgundy Diamond Mines Limited	Diamonds	7 km from tidewater; 9 km from Repulse Bay, Melville Peninsula; 7,143 hectares of contiguous mineral claims. Largest kimberlite in Nunavut.	<p>15 March 2024: Dr. Chris Jenning retires from North Arrow's Board of Directors</p> <p>28 February 2024: North Arrow Announces Appointment of Eira Thomas as Chair of the Board Of Directors</p> <p>20 February 2024: North Arrow Closes Diamond Royalty Sale at LDG Project, NWT</p> <p>5 February 2024: North Arrow and Springbok Agree to Diamond Royalty at LDG Project, NWT</p>
Committee Bay Gold Project	Fury Gold Mines formerly Auryn Resources	Gold	High grade gold endowment Existing exploration infrastructure Over 270,000 hectares with district scale discovery opportunities	<p>5 September 2023: Fury Appoints Isabelle Cadieux as Board Director</p> <p>30 June 2023: Fury Announces Results of Annual General Meeting of Shareholders</p>
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.	<p>3 September 2024: Aston Bay and American West Metals Announce 13% Copper in Assays at the Cyclone Deposit and a New Copper Discovery at the Storm Project, Nunavut, Canada</p> <p>22 August 2024: Large-Scale Copper Targets at Depth Take Shape at the Storm Project, Nunavut, Canada</p> <p>15 August 2024: Assays Confirm Additional Near-Surface, High-Grade Copper at the Storm Project, Canada</p> <p>13 August 2024: Direct Shipping Ore (DSO) development potential confirmed at the Storm Copper Project, Canada</p> <p>2 August 2024: Aston Bay Holdings Grants Stock Options</p> <p>24 July 2024: Thunder high-grade copper zone extended over 300m with more spectacular results at the Storm Project, Canada</p>
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	<p>5 September 2024: Blue Star Reports Initial Assay Results for Massive Sulphide Discovery: 17.1 Metres of 0.973% Copper Equivalent</p> <p>21 August 2024: Blue Star Announces Exploration Results, Advances Pipeline Showings</p>

			<p>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.</p> <p>Supplementing the high-grade gold resources, the Ulu project includes a substantial inventory of capital equipment, a camp with shop and a 1,200 m long airstrip.</p>	<p>24 July 2024: Blue Star Intercepts 17 Metres of Semi-to-Massive Sulphides in a New Discovery on the Roma Project</p> <p>10 July 2024: Blue Star Commences Drill Program</p> <p>27 May 2024: Blue Star Gold Launches Exploration Program</p> <p>25 April 2024: Blue Star Gold Announces 2024 Exploration Program Mobilization</p> <p>26 March 2024: Blue Star Gold 2024 Discovery Exploration Program</p>
Angilak	Atha Energy Corp.	Uranium	<p>Angilak project is located in southern Nunavut and covers 68,552 hectares with a property that is 40 km long by 20 km wide. It hosts the Lac 50 Trend deposit, a trend 15 km long by 3 km wide, ranking amongst one the highest-grade uranium resources globally outside of the Athabasca Basin, and has additional upside from molybdenum, copper and silver with a historical mineral resource estimate of:</p> <p>Inferred mineral resources of 2,831,000 tonnes at an average grade of 0.69% U₃O₈ and 0.17% molybdenum containing 43.3 million pounds of U₃O₈ and 10.4 million pounds of molybdenum.</p>	<p>3 September 2024: ATHA Energy Completes Maiden Exploration Program at the Angilak Project Identifies Multiple New Mineralized Trends and Expands Uranium Mineralization at Lac 50</p> <p>28 August 2024: ATHA Energy Provides Summer Update of 2024 Exploration Programs</p> <p>30 April 2024: Atha Energy Completes Angilak Project Equipment and Supply Mobilization, Update on Commencement of Diamond Drilling</p> <p>08 March 2024: ATHA Energy and Latitude Uranium complete merger creating a leading uranium explorer</p> <p>Labrador Uranium name change to Latitude.</p> <p>13 June 2023: ValOre Announces Closing Date for Sale of Angilak Property to Labrador Uranium</p>
Ferguson Lake	Canadian North Resources Inc.	Copper, nickel, cobalt, palladium	<p>The Ferguson Lake mining property contains Indicated Mineral Resources to 66.1 million tonnes (Mt) containing 1,093 million pounds (Mlb) copper at 0.75%, 678Mlb nickel at 0.47%, 79Mlb cobalt at 0.05%, 2.34 million ounces (Moz) palladium at 1.10 g/t and 0.42Moz platinum at 0.19 g/t.</p> <p>And Inferred Mineral Resources of 25.9Mt containing 558Mlb copper at 0.98%, 333Mlb nickel at 0.58%, 40Mlb cobalt at 0.07%, 1.12Moz palladium at 1.43 g/t and 0.21Moz platinum at 0.25 g/t.</p>	<p>27 August 2024: Canadian North Resources Inc. Reports Financial Results and Operational Update for the Second Quarter Ended June 30, 2024</p> <p>22 August 2024: Canadian North Resources Received Grant for Community Engagement</p> <p>19 June 2024: Canadian North Resources Inc. Announces Results of Annual General Meeting</p> <p>3 April 2024: Canadian North Resources Inc. Provides an Update on its Metallurgical Testing Programs at the Ferguson Lake Project</p> <p>21 March 2024: Canadian North Resources Inc. Announces Amendments to Consultants' Options</p>

Project Maps



Projected existing and proposed mine lives

