

Northern Mining News

Volume 13, No. 3

March 2019

In this March 2019 issue:

Statistics: Exploration expenditures projected to drop across North, and Canada	2
Chamber of Mines receives NAPEG Professional Award of Merit in Geoscience	3
Mountain Province Diamonds announces results	4
Baffinland Phase 2 railway north update	5
Sabina Gold & Silver announces year financial results	8
Nunavut Mining Symposium a huge success!	9
Nighthawk commences 2019 drill program at its Indin Lake gold property	11
New Government Report on northern infrastructure	12
Avalon continues to progress its advanced critical materials projects	13
Rural Municipality of Corman Park rejects plant site rezoning, reports Fortune	14
Natasha Nagyogalik digs deep for success – watch the video!	15
Application deadline approaching for NWT exploration incentive program!	16
GNWT extends program supporting mineral exploration	16
Winter road resupply – another safe and successful year	17
NAPEG announces Finnigan Award recipients – recognizing students & research	18
How Canada's North can fulfill its great mining potential	20
MAC report shows urgent need for more government support	21
De Beers Inspired Ice first place carving earns record score	22
Government of Canada invests in geoscience research and mining in Nunavut	23
Major resource development boost for Northwest Territories	24
Exploration & Development news briefs	25
Member news releases this past month	29
Member Presentations	29
Welcome new members!	29
Calendar of Events	30
Mining North Works 'demystifies' the industry	31
MiningNorthWorks! – Nunavut career catalogue profiles mine workers	32
Mines & promising Northwest Territories mine projects	33
Mines & promising Nunavut mine projects	36
Project maps	39

From the Executive Director ...

We were extremely honoured to receive the NAPEG Professional Award of Merit in Geoscience. Many of our members are professional engineers and geoscientists. And many more have been members over our 51 year history. It's because of their efforts, conducted to the highest standards, that the Chamber was recognized. Truly an honour to receive this award which we've proudly displayed in our Yellowknife and Iqaluit offices.

Congratulations to the NAPEG Finnigan recipients. Great to see students recognized for their research presented at our northern conferences! Also, have a look at NRCan stats release and I encourage you to dive into the data and many articles in the pages that follow!

Happy reading! ... Editor

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



Statistics: Exploration expenditures projected to drop across North, and Canada

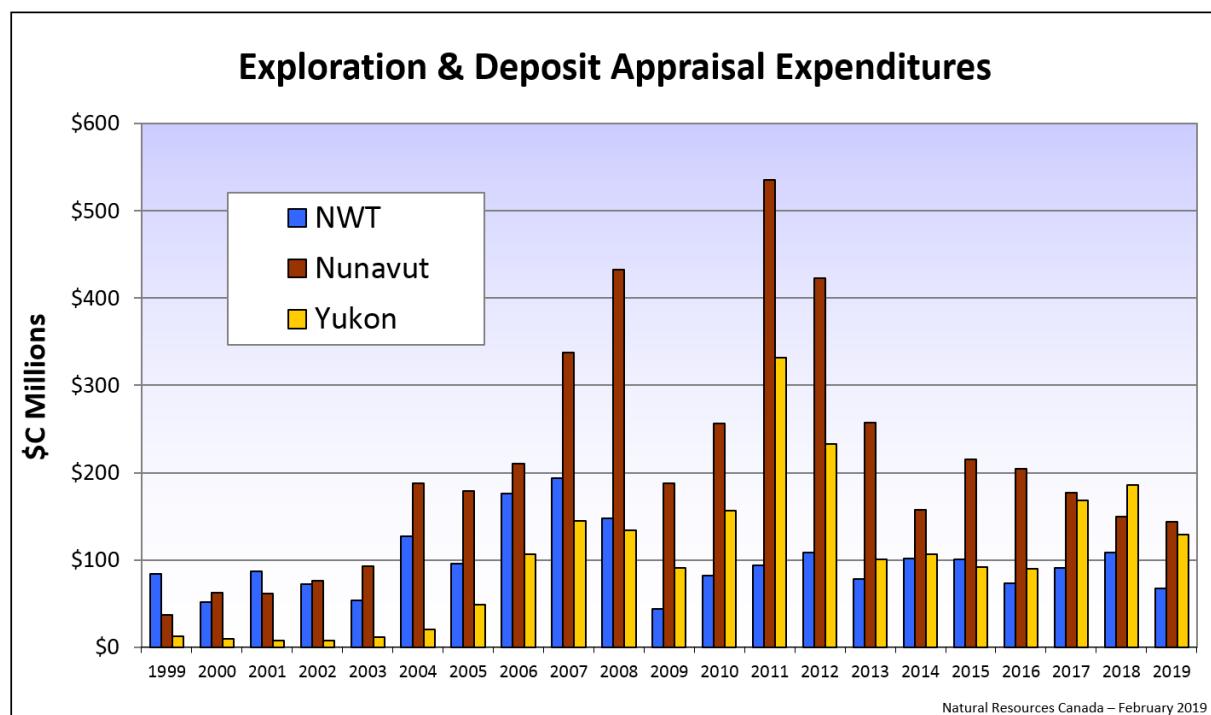
Mineral exploration and deposit appraisal spending in 2019 is projected to decline in all three territories, as well as Canada, according to recently released federal government projections.

Natural Resources Canada's (NRCan) [Exploration and Deposit Appraisal Expenditures, by Province and Territory](#) provides the following preliminary estimates and spending intentions for 2019:

- \$67.2 million in NWT, down \$41.8 million (38.3%) from \$109.0 million in 2018
- \$144.3 million in Nunavut, down \$5.3 million (3.5%) from \$149.6 million in 2018
- \$129.2 million in Yukon, down \$56.9 million (30.6%) from \$186.1 million in 2018
- \$2,160.7 million in Canada, down \$158.2 million (6.8%) from \$2,318.9 million in 2018

The projected significant decline in NWT spending represents a 10-year low. In Nunavut, the projected drop in exploration spending is modest, however it marks the fourth year in a row of declines.

"This past year has not been good for anyone in exploration," said Gary Vivian, President of the NWT & Nunavut Chamber of Mines. "Analysis by our sister organization, the PDAC, reveals that global industry financing has weakened notably, stalling the investment rebound we saw over the previous two years. That is unfortunate and out of our control. However, multi-year declines in investment in NWT and Nunavut, occurring when markets were strong, tells us there are actions within our territorial control that affect investor confidence. We will continue to work with public and Indigenous governments and regulators to take actions to rejuvenate mineral exploration investment in the North." He added, "Recent funding announcements to assist with infrastructure projects are encouraging but there is still much work to be done by all levels of government to improve investor confidence in the North."



From a competitiveness perspective, NWT's share of Canadian exploration investment is projected to fall to 3.1 per cent from 4.7 per cent. Nunavut's share is projected to increase slightly to 6.7 per cent from 6.4 per cent, according to NRCan projections.

The recently released Prospectors & Developers Association of Canada (PDAC) Report, [State of Mineral Finance 2019: At the Crossroads](#) lists various reasons for declining exploration and deposit appraisal expenditures.

Charts of historical and projected expenditures in northern Canada are in the Backgrounder in the [full release](#), and the Chamber has summarized NRCan's complete data in chart form [here](#).

Chamber of Mines receives NAPEG Professional Award of Merit in Geoscience

The NWT & Nunavut Chamber of Mines is pleased to have received the [NAPEG Professional Award of Merit in Geoscience](#), from the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG).

NAPEG recognized the Chamber for its dedication to, and support of, the North's mineral resources industry which includes the work of many geoscientists and engineers practising within the industry, at its awards banquet March 14.

"Over the past 51 years, hundreds, if not thousands of professional members have helped us in our work to champion and advance responsible mineral development for the benefit of the North and Canada," said Chamber of Mines Executive Director Tom Hoefer, who accepted the award on behalf of the Chamber.

"[Recent statistics](#) reveal that for the first time in Canadian history, the NWT and Nunavut combined have surpassed \$3 billion in mineral production. We are very proud of the significant socio-economic benefits this generates, and in particular, the unprecedented Indigenous employment, business and royalty benefits our industry today is providing."

Established in 1967, the Chamber is a non-profit association which provides leadership on, and advocates for, responsible and sustainable mineral exploration and development in the NWT and Nunavut. It does this work through small offices in Yellowknife, NT and Iqaluit, NU. Work over its long history has been made possible by the contributions of its numerous members, and particularly its member geoscientists and engineers. "We're honoured to have been recognized by NAPEG and proud to be included among an impressive group of recipients," Hoefer added. "Congratulations too, to others who received awards and thanks to NAPEG for hosting a successful event." [View release](#).



NAPEG President Karen Costello, left, and Hendrik Falck, (Past President Geoscientists Canada), presented the Chamber of Mines with Professional Award of Merit. Accepting on behalf of the Chamber of Mines is Executive Director Tom Hoefer.

Mountain Province Diamonds announces results

Mountain Province Diamonds Inc. announced its financial and operating results for the full year ended December 31, 2018.

“Financial Year 2018 was Mountain Province's first full year of commercial production at the new Gahcho Kué Mine and we are pleased with its operational performance. The Gahcho Kué Mine has settled down well and has outperformed our initial expectations in terms of throughput and overall diamond production which is an excellent achievement. This trend has continued into 2019 with the mine continuing to perform substantially ahead of expectations. Financial Year 2019 is expected to be another strong year of production. We are confident that we will meet or exceed, our production targets as we have done in the last two years,” said Mountain Province President and CEO Stuart Brown.

Operational highlights

- Strong annual production: Gahcho Kué Mine exceeded upper end of FY2018 guidance of tonnes treated, 3,194,000 tonnes (2017: 2,775,000 tonnes) and recovered a record 6,937,000 carats (2017: 5,934,000 carats).
- Average recovered grade up 4% above the original budget at approximately 2.17 carats per tonne ("cpt") (2017: 2.14 cpt).
- 3,253,000 carats sold in 2018 (2,656,000 in 2017), included in the 2018 sales were over 500 (2017: 250) gem quality stones exceeding 10.8 carats, including the recovery of an



A worker inspects a scrubber in the Gahcho Kué mine process plant. De Beers/Mountain Province photo

exceptional 95 carat white stone and a 60 carat fancy vivid yellow stone, further validating the mine as a producer of exceptional quality high value diamonds.

- Financial Highlights for Full Year 2018
- Total sales revenue at \$311 million (US\$240 million) compared to \$170 million in 2017 (US\$134 million) at an average realised value of \$96 per carat (US\$74) 2017: \$85 per carat, (US\$68).
- Full year Adjusted EBITDA1 of \$139.2 million up 33% (2017: \$103.4 million), demonstrating the good cash generation of the Gahcho Kué Mine.
- Earnings from mine operations up 55% to \$81.0 million (2017: \$52.1 million).
- During the year, the company repurchased \$26.4 million (US\$20.1 million) of outstanding secured notes payable (2017: nil).
- Cash costs of production, including capitalized stripping costs^{1,2,3} of \$101 per tonne treated (2017: \$73 per tonne) and \$47 per carat recovered (2017: \$33 per carat).
- Dividend paid of \$0.04 per common share totaling \$8.4 million (2017: nil).

See the [full release](#) for additional details on:

- Market highlights for full year 2018
- Fourth quarter 2018 highlights
- Gahcho Kué Mine operations

Baffinland Phase 2 railway north update

Baffinland Iron Mines is proposing a growth phase to its Mary River Iron mine, called Phase 2. The proposal involves increasing the quantity of ore shipped to Milne Port to 12 Mtpa, via the construction of the North Railway running parallel to the existing Milne Inlet Tote Road. Shipping from Milne Port would also increase to 12 Mtpa. Construction of the approved South Railway and Steensby Port would commence sometime thereafter.

The following are the main components of the Phase 2 Proposal:

- Mine Site: The layout of the operating Mine Site will eventually be upgraded to accommodate North Railway and South Railway infrastructure.
- Northern Transportation Corridor: Ore will continue to be trucked along Tote Road during the North Railway construction. The trucked volume of ore will increase temporarily during construction. Once operational, 12 Mtpa will be transported to Milne Inlet via the North Railway.
- Milne Port: A second ore dock capable of berthing cape size vessels will be constructed. For the ore shipped from Milne Port, the secondary crushing and screening activities will be relocated to Milne Port from the Mine Site.
- Northern Shipping Route: The tonnage shipped from Milne Port annually will increase to 12 Mtpa. The use of cape size vessels and the extension of the shipping season to approximately July 1 – November 15, or up to when the landfast ice is being used by Inuit.

Highlights of Baffinland's Phase 2 development include:

- The Phase 2 construction period will add an average of over 550 full-time jobs, in addition to what's needed to support ongoing operations. Once the construction period is complete, Phase 2 will sustain a workforce of 1,000 full time equivalents until closure
- Nunavut's economy will benefit from an average of nearly \$200 million a year direct spending in the territory, and a total over \$825 million a year spent across Canada
- Royalties and taxes expected to be paid to organizations for the life of the project include \$680 million in tax revenues to the Government of Nunavut, over \$1.5 billion in tax revenues to the Government of Canada, and nearly \$2 billion to Nunavut Tunngavik Incorporated and the Qikiqtani Inuit Association in royalties, leases, and payments related to the implementation of the Inuit Impact and Benefit Agreement

To access all documents submitted to the Nunavut Impact Review Board (NIRB), visit the NIRB website (www.nirb.ca) and search the Mary River Project (Project ID: 08MN053) in the public registry.

Ongoing community and public engagement

In advance of technical meetings for its Phase 2 expansion project scheduled for April, Baffinland announced it has submitted its responses to technical comments submitted by regulators, community groups, federal departments, the Qikiqtani Inuit Association and more.

Following the completion of the technical meetings in Iqaluit, Baffinland plans to use the time in the lead up to the final phase of the review to continue to meet with communities, members of the public and regulators.

This includes the last of three risk assessment workshops with community members from Arctic Bay, Clyde River, Igloolik, Hall Beach and Pond Inlet, scheduled for May at the Mary River Mine. Previous workshops, held at the Mine and in Trois-Rivières, Quebec, have been valuable in helping Baffinland and community members better understand how environmental management plans can more accurately reflect Inuit values and experiences with the land. Other engagement sessions will be held throughout the summer to discuss specific topics or areas of the project that are of special interest to community members.

Additional community visits are also being planned for late-Spring to build on earlier sessions and report back to communities on where we are in the process and what is up-coming.

Baffinland appreciates the active engagement on the Project and the opportunity to discuss our on-going operation and future plans.



Railway tour, Trois Rivières, PQ.

Nunavut Government and Baffinland sign Inuit employment MOU

On April 2, during the Nunavut Mining Symposium, Brian Penney, President and CEO of Baffinland and Nunavut's Minister of Economic Development and Transportation, David Akeeagok signed a Memorandum of Understanding to maximize Inuit employment at the Mary River Mine (photo).

The MOU focuses on 4 priority areas for collaboration:

- reducing barriers to employment;
- the development of employment and training opportunities;
- community wellness programs; and
- infrastructure and transportation.

"The Government of Nunavut strives to develop our infrastructure and economy in ways that support a positive future for our people, our communities and our land," said Minister Akeeagok. "This Memorandum of Understanding ensures the Mary River Mine will continue to provide long-term benefits to Nunavut Inuit."

"The signing of this Memorandum of Understanding is a direct result of the strong partnership between Baffinland and the Government of Nunavut," said Brian Penney, president and CEO of Baffinland. "The Memorandum of Understanding provides a framework for continued collaboration, as we look to further develop the Mary River Mine, unlocking its wealth-generating potential to the benefit of all Nunavummiut."



BIM President and GN Minister sign employment MOU.

Udloriak Hanson joins Baffinland management team

In other news, Baffinland has welcomed Udloriak Hanson (Udlu) to its management team, as Vice President, Community and Strategic Development. Reporting directly to Brian Penney, President and CEO, Udlu will focus entirely on enhancing the impact that benefits from the Mary River project have for Inuit and all Nunavummiut.

Udlu brings not only a tremendous amount of experience with her, having most recently served in the Government of Nunavut as Deputy Minister of Economic Development and Transportation, but also brings a passionate commitment to making a difference, seen throughout her previous roles and volunteering capacities.



Baffinland welcomes Udlu Hanson as new Vice President

Udlu will officially join the Baffinland team full time in early June.

Sabina Gold & Silver announces year financial results

Sabina Gold & Silver Corp. reported the financial results for the quarter and year ended December 31, 2018.

“2018 was a year of significant progress for Sabina,” said Bruce McLeod, the company’s President & CEO. “We continued on with our two-pronged approach to advance Back River through de-risking project development activities as well as continue exploration programs on high-value targets at the Goose property. We are very pleased with what we managed to accomplish last year,” he added.

2018 Highlights

- Cash and cash equivalents and short-term investments of \$50.4 million.
- Sabina advanced pre-development activities for the Back River Project
- The company completed a phased exploration program on the Back River Project
- In April 2018, the company completed a significant milestone for its social license by jointly announcing with KIA completion of a definitive framework agreement.

The company received numerous key licenses and permits during 2018, most notably:

- The Type A Water License was received in November
- The Type B Water License was received in March

Financial Results

For the year ended December 31, 2018, the company reported a net loss of \$6.2 million, an increase of \$2.4 million compared to the same period of 2017. The increase in the loss year over year was driven by higher operating expenses (\$2.2 million) and higher deferred income tax expense (\$1.2 million) partially offset by an increase in net finance income (\$1.0 million).

For the full December 31, 2018 year-end financial statements and Management’s Discussion and Analysis, please see the company website at <http://www.sabinagoldsilver.com/> or on SEDAR.

[See full release here.](#)

Back River Project – Quick Facts

A planned gold mine in the western Kitikmeot Region of Nunavut

Based on the feasibility study, the project includes the development of:

- ***Up to six mineral deposits***
- ***Winter roads that connect the sites***
- ***A marine laydown area in southern Bathurst Inlet***

Nunavut Mining Symposium a huge success!

Iqaluit, Nunavut was the place to be this year from April 1-4 for the 22nd annual [Nunavut Mining Symposium](#). Under the theme, Rocks, Roads & Resources, the annual mining symposium brought together businesses, various levels of government, Inuit organizations, regulatory agencies, mining industry representatives, and service providers to discuss the latest developments, opportunities, and challenges facing the mining and exploration sectors in Nunavut. The three-day event includes over 50 presentations, a trade show, live entertainment, and a gala dinner and awards evening to celebrate the mining and exploration industry in Nunavut.

Many speakers provided their insight through different sessions and panels during the conference, which covers topics such as regulatory issues, community engagement, investing in infrastructure and energy alternatives and exploration. Also, for the first time at the symposium, there was a Youth Ambassador Program which included presentations to the youth group by Doug Ashbury, NWT & Nunavut Chamber of Mines, on the Chamber's [Mining North Works!](#) program and by Amanda O'Connor from [Mining Matters](#).

The three active mines (TMAC, AEM and Baffinland) talked with the youth about career opportunities in their mining and exploration projects. As well, Thursday morning the youth ambassadors participated in a session called Face to Face: industry meets Youth. Many Government of Nunavut leaders and Inuit organization representatives were invited as well.

The overall intent of a youth program was to increase the awareness for Nunavut youth, the career opportunities that are available in the exploration and mining sector. Plans are in the works for the program to continue again next year.

Finally, the Mining Awards were presented at the gala banquet.

Recipients included:

Theresa Meadows who is a lawyer for NIRB (Individual Award), ACTUA (Trailblazer Award), Sarliaq Holdings of Rankin Inlet (Corporate Award), and finally the Government award was presented to NRCan and the CNGO office in Iqaluit.



Nunavut Mining Symposium Youth Ambassador Program delegates Morgan Carter, Nolan Aupauluktuq, Lance Tunigitok Akoluk, and Lee Qamarniq, with panel session moderator Alex Buchan.



This year's Nunavut Mining Symposium included the first ever Youth Ambassador Program. Above, participants included, Morgan Carter (Kitikmeot), Nolan Aupauluktuq (Kivalliq), Natasha Nagyougalik (Kivalliq), Lee Qamarnirq (Qikiqtani), and Lance Tunigitok Akoluk (Kitikmeot). Left is David Lawson who assisted as chaperone for the group. Pictured top left, Prospector John Tugak from the Kivalliq, and Lance inspect a rock sample. Top right, at the awards gala, the event's many sponsors were recognized including Iron sponsors De Beers Canada and the Chamber of Mines, represented by Tom Ormsby, left, and Gary Vivian.

Nighthawk commences 2019 drill program at its Indin Lake gold property

Nighthawk Gold Corp. announce commencement of its 2019 drilling program with three drills active on the Colomac Gold Project ("Colomac"), centrally located within the Indin Lake Gold Property (899km² land package), Northwest Territories, Canada.

The company previously announced a budget of \$10 million which includes a minimum 25,000 metres of drilling (split between Colomac and select priority gold targets within its extensive regional land package), as well as the continuation of the regional mapping and prospecting program. The drilling costs are estimated on the higher-end at approximately \$9 million (as the program progresses Nighthawk anticipates a lower cost per metre than budgeted), and an additional \$1 million spend on the regional mapping and prospecting program which will continue to assess the land package for new discoveries and move targets up the value chain towards drill-ready status. Program objectives are to continue the expansion of higher-grade mineralization intersected to-date at Colomac and to explore for other new zones of near surface higher grade material within the Colomac area sills, culminating in the delivery of a resource update by early 2020.

2019 Exploration Program:

- Colomac - Three drills presently in operation:
 - testing high-grade Zones 1.5 and 3.5 to depth
 - exploring for shallower higher-grade domains within a 2-kilometre section of the Colomac Main sill between Zone 3.5 and the southern part of Zone 2.0
- Regional Drilling – Later in the program drilling will focus on some of Nighthawk's most prospective regional gold prospects:
 - Damoti Lake Gold Deposit
 - Leta Arm mineralized corridor (hosting the North Inca and Diversified deposits)
 - Treasure Island Gold Project
 - Swamp Project
 - Possibly the first drilling at the Nice Lake Sill and Andy Lake Project
- Regional Prospecting and Mapping
 - Will commence in early June and will continue to follow-up on historical showings, areas of interest as identified by previous fieldwork, leading to the prioritization of future drill targets.

"We are very pleased to be embarking upon our eighth drilling season at the Indin Lake Gold Property. We've had great success over the years rejuvenating the Colomac deposit into an ever growing, multi-million-ounce opportunity with a new high-grade storyline and exceptional metallurgy. We are thrilled to continue our work of delivering on the vast potential that the Indin Lake Gold Camp possess, one that we believe will flourish in tandem with Colomac, as we advance our aggressive regional exploration initiatives of geological mapping, prospecting and ground geophysics promoting key targets to drill-ready status in search of new discoveries. We look forward to providing drill results as they become available," said Dr. Michael Byron, President and CEO. [View release](#).

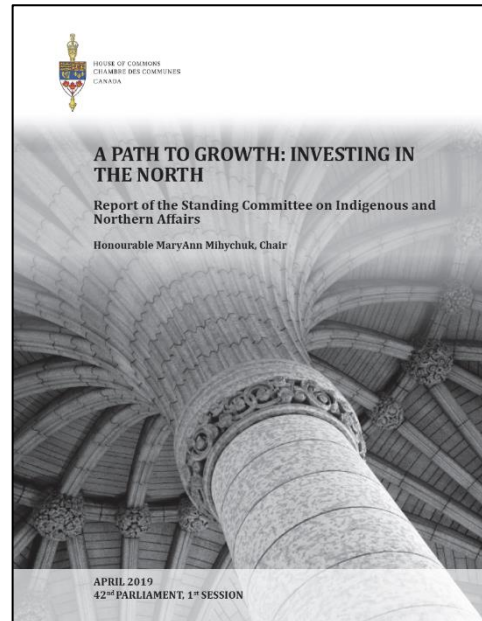
New Government Report on northern infrastructure

On 24 September 2018, the House of Commons Standing Committee on Indigenous and Northern Affairs (the Committee) decided to undertake a comprehensive study of northern infrastructure projects and strategies in the context of possible federal support. With the evidence gathered in October and November 2018, the Committee prepared this report in which it makes several recommendations to the Government of Canada on how to improve the way it supports infrastructure development and maintenance in the North.

The report observes that throughout the Arctic, most communities still lack some of the basic infrastructure people often take for granted in the rest of the country. This situation directly affects the region's residents. Due to the lack of transportation infrastructure, northerners pay substantially more for their goods and services such as food. The electricity rates they pay are also the highest in the country, as they rely mostly on expensive fuel to heat their homes and to operate their businesses. Furthermore, northern communities are facing a housing crisis and are still mostly underconnected – or even unserved – by digital infrastructure. Together, these factors significantly hinder socio-economic development.

Therefore, the committee makes the following six recommendations:

- **Recommendation 1:** That the Government of Canada include in its forthcoming Arctic Policy Framework a co-developed process to ensure local and Indigenous perspectives are taken into account in the development and maintenance of northern infrastructure.
- **Recommendation 2:** That the Government of Canada consider distinct and northern-specific infrastructure funding; that funding criteria and disbursement mechanisms reflect the realities of the Arctic, such as higher construction and shipping costs, the smaller size and remoteness of communities, and the need to improve the pace of funding decisions; and that this funding and its parameters support the goals of local, territorial and Indigenous governments.
- **Recommendation 3:** That the Government of Canada implement, in partnership with northern communities, programs to ensure energy security and to transition away from the use of diesel fuel for power generation; and that during the transition towards cleaner sources of energy, the Government of Canada work to improve the reliability and efficiency of power plants awaiting to be replaced.
- **Recommendation 4:** That the Government of Canada, in partnership with its local, territorial and Indigenous partners, ensure the sustainability and climate resiliency of northern infrastructure by requiring that climate vulnerability assessments be carried out on northern infrastructure projects; and that the results of these assessments serve



to inform adaptation actions that address potential risks associated with a changing climate.

- **Recommendation 5:** That the Government of Canada recognize the pressing need to take real action to combat climate change and ensure that the implementation of carbon pricing in the Arctic is flexible enough to meet the needs of households, businesses and local governments; further, that it ensure that carbon pricing, or any other climate change adaptation measures, does not place an excessive financial burden on northerners.
- **Recommendation 6:** That the Government of Canada, recognizing that building accessible infrastructure is essential to providing equal opportunities for all northerners, ensure that accessibility assessments are carried out on northern infrastructure projects.

Read the full report [here](#).

Avalon continues to progress its advanced critical materials projects

Avalon Advanced Materials Inc. reported on progress made over the past quarter on all three of its advanced critical materials development projects in Canada, including its Nechalcho rare earth elements project.

The company said significant progress, as described below, has been made towards the goal of achieving near-term, small-scale production on each of the Nechalcho Rare Earth Elements Project, East Kemptville Tin-Indium Project, and Separation Rapids Lithium Project.

Demand for rare earth elements, lithium minerals, tin and other critical materials are all growing at rates exceeding the rate of growth in new supply, creating opportunities for new producers to emerge and fill looming supply deficits.

The ability to bring these new supplies to emerging markets quickly is key to taking advantage of the opportunities. Small-scale initial development facilitates achieving that goal, while also accommodating future growth in production capacity.

Nechalcho Rare Earth Elements Project, Thor Lake, NWT

As disclosed in the company's news release dated January 30, 2019, Avalon signed a binding Terms Sheet with Cheetah Resources Pty Ltd. ("Cheetah") under which Cheetah will acquire ownership of the near-surface rare earth resources in the T-Zone and Tardiff Zones for a total cash consideration of C\$5 million.

Avalon President & CEO, Don Bubar recently visited Yellowknife and the Nechalcho site with Cheetah's Managing Director, Geoff Atkins, in order to meet with local government officials, Indigenous leaders, businesses and the media.

Considerable interest was expressed by these parties in the company's small-scale rare earth development model for its minimal environmental impact and for the commercial opportunities it will provide for local Indigenous business.

"I was pleased with the positive reaction we received in the local community for our innovative, new small-scale development model that we plan to implement with Cheetah. Cheetah shares our values on sustainability in mineral development and our vision for this model representing the future of critical materials mineral production globally. This will provide an opportunity for the Northwest Territories and Canada to take advantage of the vast, untapped specialty minerals wealth in the North to become global leaders in the sustainable development of new critical materials supply chains. Our local Indigenous partners will have the opportunity to become the leaders of this new business opportunity and share in the wealth created," Bubar said.



Slide from Avalon's February corporate presentation.

For more details, [see the full release](#).

Rural Municipality of Corman Park rejects plant site rezoning, reports Fortune

Fortune Minerals is evaluating its options with the Saskatchewan Government and has identified several alternative sites for its hydrometallurgical plant in other jurisdictions

The Rural Municipality of Corman Park recently rejected the company's application to change the zoning of its lands near the town of Langham, Saskatchewan from "Agriculture" to "M2 Rural Industrial", so as to allow Fortune to construct and operate a hydrometallurgical facility to process metal concentrates from the company's planned NICO Cobalt-Gold-Bismuth-Copper mine in the NWT.

Fortune owns 478 acres in Corman Park through a wholly-owned subsidiary. These lands were identified in consultation with the Saskatchewan Ministry of Economy and the Saskatoon Regional Economic Development Authority who encouraged the company to locate the refinery in Saskatchewan. Fortune received environmental assessment approval from the Saskatchewan Ministry of Environment in 2014, which concluded that, "The proposal was assessed to be both environmentally and technically sound, providing both environmental safeguards and outlining company plans to ensure Saskatchewan's air, water, and natural resources are protected throughout the duration of the project and after." The Saskatchewan Government continues to support the project.

Fortune is considering its options.

Products the company plans to produce include cobalt compounds needed to manufacture the cathodes of lithium ion batteries and participate in the transition to a lower carbon future with transformative automotive electrification and storage of electricity to make energy use more efficient and enable more renewable energy from wind and solar.

Read the release [here](#).

Natasha Nagyougalik digs deep for success – watch the video!

How women carry heavy loads and continue to succeed in the mining industry.

If you're at the Meadowbank mine in Nunavut and go looking for Natasha Nagyougalik, you're likely to find her either overseeing the mine's activities from the dispatch centre or sitting at the controls of one of the mine's biggest pieces of equipment; the Caterpillar (CAT) 6030 mining shovel, which is capable of lifting between 20 and 25 tonnes of valuable ore and rock in a single scoop!

It's a heavy load and a demanding job, but Natasha loves it. "It was nerve-wracking at first to operate such a big, technical piece of equipment but I decided to challenge myself. Once I got the hang of it, I fell in love with it."

Natasha has been working at Meadowbank for eight years and started with an entry-level position in the kitchen as a dish washer. As a single mother of a young son and looking towards the future she found herself looking at the job boards to see what other opportunities might be available and decided to try her hand at training to become Haul Truck Driver.

Through Agnico Eagle's Career Path program, she began taking heavy equipment training, building her skills step by step. Today, Natasha is an Auxiliary Equipment and Production Relief Operator who is qualified to operate many types of large equipment, including the sizable CAT 6030.

Having reached this significant achievement Natasha's next goal is to continue to hone her skills operating these big machines and she has her eye on moving into a higher-level supervisor-relief role.

To see Natasha in action, click [here](#). See the Natasha Nagyougalik *Mining North Works!* [profile](#).



Agnico Eagle Auxiliary Equipment Operator Natasha Nagyougalik. Click the link or image for video

Application deadline approaching for NWT exploration incentive program!

The Government of the Northwest Territories Mining Incentive Program provides funding to prospectors and exploration companies proposing new exploration projects or are already carrying out NWT mineral exploration work.

Funding is available under the Prospector Mining Incentive Program and the Corporate Mining Incentive Program.

The 2019-2020 **application deadline** for both programs is **April 26, 2019**. Eligible expenses are those incurred during the period April 1, 2019 to March 31, 2020.

The MIP is an initiative of the Northwest Territories Mineral Development Strategy and was developed in response to the findings of the stakeholders' engagement panel. Visit the [Northwest Territories Geological Survey MIP site](#) for more details.



GNWT extends program supporting mineral exploration

The Government of the Northwest Territories has acted to support its mineral exploration sector by extending a successful program for two years. The [Work Credit Program \(WCP\)](#), originally introduced in 2015 to offset costs for mineral explorers since a downturn in the financial markets, will be extended for two years beginning April 1, 2019 to continue to encourage more exploration.

Under the NWT Mining Regulations, holders of recorded mineral claims in the NWT must complete work or submit cash in lieu to keep a claim active. Reported exploration work is assessed and approved by the Government of the Northwest Territories' Mining Recorder's Office.

With this program, the credit or value of qualifying early exploration work will be multiplied by 1.5 in the recording system — effectively increasing the value of work done and reducing burden on explorers operating in the NWT. To date,

the WCP has generated nearly \$5 million in additional benefit for NWT exploration projects.

Extending benefits under the WCP is consistent with the GNWT's mandate to support mineral exploration in the NWT to drive the future of mining — an industry responsible for roughly 25% of economic activity in the NWT. The Work Credit Program arose from the implementation of the NWT Mineral Development Strategy.



Winter road resupply – another safe and successful year

Completed at the end of March, it was another successful mine resupply campaign over the winter road. The ice road, constructed every year to transport supplies to the diamond mines, and to various exploration projects, is vital for hauling a year's worth of supplies.

Officially known as the Tibbitt to Contwoyto Winter Road Joint Venture, the ice road is a partnership of De Beers Canada, Rio Tinto's Diavik Diamond Mines Inc., and Dominion Diamond Mines. The 2019 season marked the 20th anniversary of the Joint Venture's creation.

The ice road spans 375 kilometres from Tibbitt Lake east of Yellowknife to Lac de Gras.

The road, constructed over frozen lakes connected by 64 land portages, opened January 30 and closed March 29, similar to previous years.

Some 7,489 loads, carrying nearly 248,000 tonnes, were shipped north. Backhauls totalled 588.

The road's speed limit is like a 'school zone' (the highest allowable speed for fully loaded trucks is 25 kph). For more details, visit the joint venture web site <https://www.jvtcwinterroad.ca/>

"This road is the lifeline to the NWT's diamond mines and thousands of jobs for northerners and many others across Canada," said Ron Near, Director of Winter Road Operations.

Winter road partners and drivers concluded the 2019 season with a banquet in Yellowknife. The event include safety awards' presentations.

Sixteen drivers received \$1,500 driver safety prizes, and for this anniversary year, five were selected to receive \$5,000 special achievement awards for exceptional performance. Pictured top are Ron Near (retiring director of winter road operations) drivers Joe Holt, Mike Blake, Duane Whitney, Fred Abbott, and Peter Paul. Top right is Mike Lowing, incoming director of winter road operations.

Three half-carat diamonds, one from each of the mines, were also presented to Alan Fitzgerald (Nor-Ex Engineering), and Paul Gamble and Kirk Keller (Nuna Logistics/Det'on Cho Joint Venture). These presentations recognized people and companies for their "enterprise, commitment and for demonstrating innovation and improvements that made the project better," said Lowing.



The world's most celebrated winter road recognized some of its own by presenting cash and diamond awards to a select group of drivers and companies that make the Tibbitt to Contwoyto Road successful. Bill Braden/TCWRJV photos

NAPEG announces Finnigan Award recipients – recognizing students & research

The Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists was very pleased to announce the Craig S. Finnigan Northern Award recipients.

These awards, presented to students for their research presentations, are made possible through the NAPEG Education Foundation which provides grants for up to three awards annually (up to \$3,000 per student).

The awards provide the financial assistance to students presenting research at the Nunavut Mining Symposium, the Yellowknife Geoscience Forum, or the Yukon Geoscience Forum.

Award Recipients

The most recent recipients included:

Erin Bros (University of Alberta, Geological Survey of Canada): Nunavut

Observations of the Mary River Group south of Tay Sound, Northern Baffin Island, Nunavut:
Stratigraphy and Structure of a Supracrustal Sequence

Melissa Friend (UBC): Yukon

Links between Cretaceous metallogeny and magmatic fertility in the Dawson Range, Yukon

Clare Miller (Queen's University): Northwest Territories

Arsenic mobility in a changing northern climate:
Implications for geochemical baselines and long-term stability of legacy contaminants in sub-Arctic lake systems

2017–2018 recipients include:

Brodie Stroh (UBC): Yukon

Models for Orogenic Gold Ore Formation in Western Yukon

Maya LaGrange (Alberta): Northwest Territories

Integrating chemostratigraphic and sedimentological datasets to establish a sequence stratigraphic framework for the Devonian Canol Formation, Central Mackenzie Valley and Mackenzie Mountains, Northwest Territories

Mitchell Kerr (Laurentian): Nunavut

Upgrading of an orogenic gold-quartz-carbonate vein system by magmatic-hydrothermal fluids in the Hope Bay Greenstone Belt, Nunavut, Canada

2016–2017 recipients include:

Well-Shen Lee (UBC): Yukon

A Petrographic and microthermometric study of gold-bearing veins surrounding the 5 Moz Coffee gold deposit, Dawson Range, Yukon

Robert Janzen (Waterloo): Northwest Territories

Glacial Dynamics, Sediment Dispersion, and 3D Reconstruction, Lac de Gras, Northwest Territories

Scott Tokaryk (Laurentian): Nunavut

Metamorphogenic Au mineralization localized to a chemically favourable dioritic host rock: The Archean Vickers Intrusive Complex, Nunavut, Canada



Finnigan Award recipient Erin Bros, right, at the Nunavut Mining Symposium. Presenting is NAPEG Councillor Katrina Nokleby of Wood E&IS.

About Craig Finnigan

Craig Finnigan, Ph.D., P.Geo. (BC) was a Professional Geoscientist who spent the majority of his short career working across the Canadian north for industry, government, and academia. Craig passed away in 2014 at the age of 45, however his passion for geoscientific field work and exploration has left an imprint on those who worked with him over the years. He thrived on the opportunities in the North and he added significantly to our understanding of the geology in a number of places including the metallogeny of gold in the Kivalliq District of Nunavut; Yellowknife, Northwest Territories; and the Dawson Range, Yukon. He completed his M.Sc. degree on the gold mineralization in the Yellowknife belt and was also recognized by AMEBC in 2014 with the prestigious Huestis Award for his role in the discovery of the Coffee gold deposits in the Yukon. Craig was an adamant supporter of students and education and as Adjunct Professor at Western University he was co-sponsor of M.Sc. thesis completed on the Coffee gold deposits, as well as another that studied uranium mineralization at the Lac Cinquante uranium deposit in Nunavut. A student focused scholarship that would encourage presentations at northern conferences is a fitting and appropriate concept for Craig's memory.

Objectives of the awards

The NAPEG Education Foundation encourages the achievement of excellence in the engineering and geosciences professions through the promotion of advanced studies and research programs. By providing financial assistance to researchers working in the northern territories the Foundation, and the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists, seek to encourage young geoscientists to communicate effectively to their peers and the public, an important skill in the development of a professional practitioner.

Eligibility

To be eligible, the candidate must be enrolled in a Canadian university. The candidate must apply and be registered in a geology program that includes a thesis with a northern field component specific to the location of the Forum/Symposium. An individual can be awarded the scholarship more than once; however, priority will be given to applicants who have not received the scholarship previously.

Committee contacts and donations

Conference-organizing committees seek award applications and select recipients. To sustain this award beyond five years, the foundation's fundraising campaign welcomes corporate donations. As a recognized charity, tax receipts are available for eligible donations from individuals. For more Finnigan Award donations information, please contact a member of the fundraising committee; members include Hendrik Falck, Rob Carpenter, James Siddorn, Garth Kirkham, Jacob Hanley and Andrew Conly. Or contact Foundation Secretary Treasurer Linda Golding, at the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists at (867) 920-4055 or email registrar@napeg.nt.ca.

How Canada's North can fulfill its great mining potential

Governments must address infrastructure deficiencies, protected area and land claim issues, and regulatory duplication

Mining investors are eyeing all three territories in Canada's North, according to the Fraser Institute's annual survey of mining companies, according to a Fraser Institute article.

For the first time in more than five years, all three territories are among the top 15 most attractive regions for mining investment worldwide. See the institute's March 12 [release here](#).

But territorial governments and the federal government must implement policy reforms to capitalize on this moment, which could bring much-needed investment, employment and government revenue to areas of the North.

Every year, the Fraser Institute surveys miners around the world to determine which jurisdictions are attractive – or unattractive – for investment based on policies and geology. The survey spotlights policies (taxes, duplicative regulations, availability of labour and skills, etc.) that govern the mining industry and impact the investment attractiveness of jurisdictions.

All three territories improved their rank this year, largely because investors view the North's mineral potential more favourably. The Northwest Territories rose from 21st last year in overall attractiveness to 10th this year, Yukon rose from 13th to ninth, and Nunavut improved its rank from 26th to 15th.

However, while investors have increasingly positive perceptions of the minerals in Canada's territories, the policy environment raises some concerns. When considering policy factors alone, all three territories fall out of the top 15 jurisdictions worldwide, meaning the territories could benefit from policy reform.

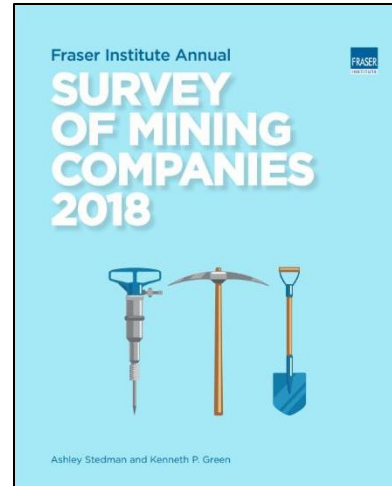
Not surprisingly, mining investors identified infrastructure issues in Canada's North as a major area of concern in the survey.

More than half of respondents for all three territories see uncertainty about protected areas as a deterrent to investment.

And more than 55 per cent of respondents for the N.W.T. and Yukon see disputed land claims as a deterrent to investment.

Regulatory duplication and inconsistencies also seem to be an escalating concern in NWT and Nunavut as the majority of respondents view this factor as a deterrent to investment.

It's a positive sign that investors are eyeing the attractive geology in Canada's North, but mineral deposits alone are not enough to attract precious commodity investment dollars. Valuable investment dollars will flow to jurisdictions with attractive policies.



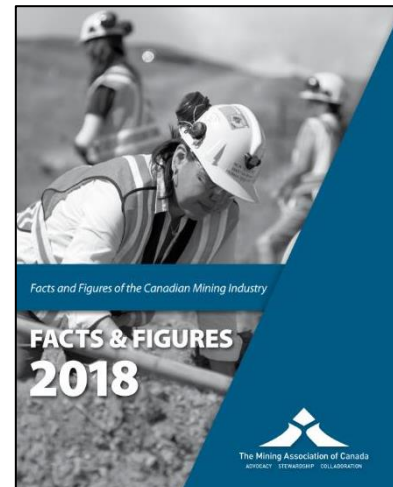
Clearly, the North is on the precipice of great prosperity and opportunity. But governments must streamline regulations and provide certainty about land claims to capitalize on the considerable mineral potential. For the annual survey executive summary, click [here](#), or see the [full survey results](#).

Edited article by Ashley Stedman, a senior policy analyst and Elmira Aliakbari, the associate director of natural-resource studies, at the Fraser Institute.

MAC report shows urgent need for more government support

The Mining Association of Canada (MAC) released its annual Facts & Figures report, a document focused on providing a comprehensive overview of current trends in Canada's mining sector. While Canada has long been the dominant global mining nation—in mineral production, mining finance, mining services and supplies, and sustainability and safety, this year's data shows that our competitiveness continues to erode. Canada is losing out on its ability to seize new opportunities for growth and it is essential that the federal and provincial governments take action to reverse this trend.

“Over the past decade, Canada's leadership in mining has been deteriorating year over year, with no sign of any significant turnaround, and support from governments is absolutely critical to improving this position,” said Pierre Gratton, President and CEO of MAC. “Over the past several months, we have been encouraged by initiatives put forth by federal and some provincial governments in recognition of the challenges our industry faces, including the decision to renew the Mineral Exploration Tax Credit for a five-year term, enhanced Accelerated Capital Cost Allowances and in the recently released Canadian Minerals and Metals Plan, all of which should help reverse current trends. However, this is only a start and we look forward to further action.”



The new [Facts & Figures report](#) highlights a number of worrying trends, including:

- Over the past five years, Canada has lost ranking for seven out of 16 commodities for which it had been a top-five producer.
- While Canada remained the world's top destination for non-ferrous exploration spending in 2017, it continued to cede market share to other jurisdictions, including Australia. This marks the sixth consecutive year that Canada's share of international exploration investment has fallen.
- The value of total projects planned and under construction from 2018 to 2028 has reduced by 55% since 2014, from \$160 billion to \$72 billion.
- Capital investment in the mining sector has declined each year since 2012, with investment intentions for 2018 in line with this trend.
- Only four new mining projects, all gold mines, were submitted for federal environmental assessment in 2017 – far below highs seen in 2012-2014.

De Beers Inspired Ice first place carving earns record score

Brother duo wows judges in Yellowknife debut

A Canadian team of two brothers made their inaugural appearance memorable by setting a record score to win the seventh annual De Beers Inspired Ice International Ice Carving Competition, held during the Long John Jamboree in Yellowknife, March 28-31.

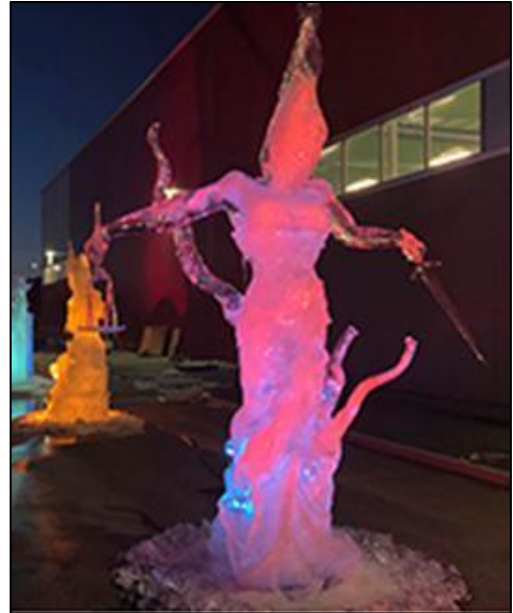
Ross Baisas of Montreal and Tony Baisas of Ottawa scored an incredible 99.1 with their work, “Balance”, to top the seven-team field.

Second place went to Americans Aaron Costic of Ohio and Matt Stoddart of Kentucky, who were just 3.37 points behind the record score.

“The competition at the De Beers Inspired Ice International Ice Carving event continues to attract the best carvers from around the world year after year, which is a testament to the volunteers and people in Yellowknife who run an incredible event supported by unmatched Yellowknife hospitality,” said Allan Rodel, General Manager of Gahcho Kué Mine.

Balance, the winning carving, was a female figure with flowing hair and gown holding a balance scale in one hand and a sword in the other. It also captured the People’s Choice Award, voted on by spectators attending the Jamboree.

See the results and full release [here](#).



This is the De Beers’ second year of a five-year, \$150,000 commitment to the Jamboree as the title sponsor of the De Beers Inspired Ice International Ice Carving Competition. De Beers Canada photos

Government of Canada invests in geoscience research and mining in Nunavut

CanNor announced over \$3.8 million to support natural resource research and mining

With the continued growth of the mining industry in Nunavut, and the challenges of a changing climate, geoscience research has never been more important.

The information gathered by this research helps identify new mineral resources for economic development and job creation. This research also helps assess areas potentially affected by climate change and what steps can be taken to ease those impacts.

During this year's Nunavut Mining Symposium, the Government of Canada announced an investment of over \$3.8 million to the Government of Nunavut's Department of Economic Development and Transportation and the Canada-Nunavut Geoscience Office to support geoscience research and economic development in Nunavut. This funding was announced by the Honourable Navdeep Bains, Minister of Innovation, Science and Economic Development and the Minister responsible for CanNor.

"Canada's minerals and metals industry is more than just mines – it is workers and Indigenous peoples that are building the world's cleaner future. That is why we are supporting geoscience and the exploration for new resources while enabling northern communities to make informed decisions about their economy and community." Honourable Amarjeet Soh, Canada's Minister of Natural Resources.

"Nunavut is rich in mineral resources. We support geoscience research projects that will enable mineral exploration and mining companies to discover economic deposits that will be mined in a responsible, sustainable way to benefit Nunavummiut." Honourable David Akeegok, Minister of Economic Development and Transportation, Government of Nunavut.

Quick Facts

- CanNor is investing \$3,070,480 over two years into Nunavut Geoscience research projects with additional support of \$692,000 from Natural Resources Canada. The Government of Nunavut's Department of Economic Development and Transportation is contributing \$286,000, and the Canada-Nunavut Geoscience Office \$365,000. In addition, McGill University, Laurentian University and the Université du Québec à Montréal are contributing a total of \$840,125. The total investment in Nunavut Geoscience research projects is \$5,254,005.
- CanNor is contributing \$30,000 towards the 2019 Nunavut Mining Symposium, with the Nunavut Mining Symposium Society contributing \$209,800, the Government of Nunavut \$85,000, and the private sector an additional \$105,000. Total symposium investment \$429,000.
- CanNor is investing \$32,000 in the development of a mining promotional video with the NWT & Nunavut Chamber of Mines contributing \$8,000. Total investment in the video is \$40,000.
- Over the last decade CanNor has invested over \$16 million in geoscience projects in Nunavut.

Major resource development boost for Northwest Territories

Federal investment supports resource development projects in the Slave Geological Province

Resource development remains the principal driver of the Northwest Territories economy. This is why the Government of Canada is investing \$5.1 million in two projects that will support resource development in the Slave Geological Province (SGP).

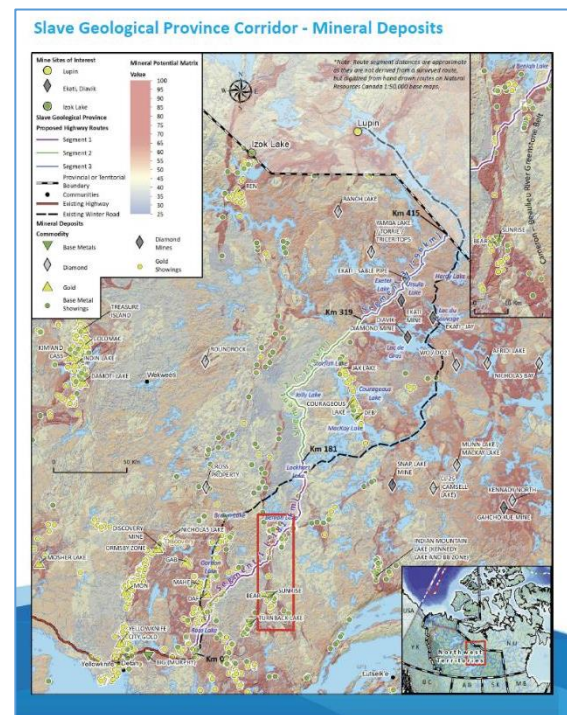
Paul Lefebvre, Parliamentary Secretary to the Minister of Natural Resources, on behalf of the Honourable Navdeep Bains, Minister of Innovation, Science and Economic Development and Minister responsible for CanNor was joined by Wally Schumann, GNWT Minister of Infrastructure and Industry, Tourism and Investment, to make the announcement during the Prospectors and Developers Association of Canada (PDAC) Convention.

Funding will go towards the planning of an all-season access corridor into the SGP as well as aerial geophysical surveys of the region. The surveys will lead to the development of mapping products used by mineral exploration companies to target their activity.

Through these investments, the federal government is supporting the growth of a strong and sustainable resource development industry and related jobs in the North.

“Knowing where mineral deposits exist and being able to access them is the first step in attracting investment and growing the resource development sector,” said Honourable Navdeep Bains, Minister of Innovation, Science and Economic Development and the Minister responsible for CanNor.

“With support from the federal government, the GNWT continues to make investments in priority projects such as the Slave Geological Province Corridor that have the potential to make transformative impacts in the territory,” said Wally Schumann, Minister of Infrastructure, Minister of Industry, Tourism and Investment, Northwest Territories.



Quick Facts

- Development of the SGP Access Corridor: CanNor is investing \$2,712,000 in this two-year project with a further \$678,000 investment from the Government of the Northwest Territories Department of Infrastructure. Total funding for this project is \$3,390,000.
- Exploration Development Initiative: CanNor is investing \$2,400,000 in this two-year project with a further \$280,000 investment from the Government of the Northwest Territories Department of Industry, Tourism and Investment and \$749,000 from industry partners. Total funding for this project is \$3,429,000.

Exploration & Development news briefs

Auryn Resources Inc. announced that it has increased and closed its [previously announced non-brokered private placement](#) for \$3.5 million to gross proceeds of \$5,255,000. The placement now consists of approximately 3,284,375 common shares (the “Shares”) priced at CAD \$1.60 per Share (the “Offering”) and included total insider participation of 596,875 Shares.

“2019 is turning out to be a pivotal year for Auryn with two major discovery opportunities developing at our flagship projects in Peru and Canada. The company appreciates the support it continually receives from shareholders as well as the notable insider participation in this financing,” said, Ivan Bebek, Executive Chairman and Director.

The company intends to use the net proceeds from the Offering to fund continued surface exploration at its Sombrero copper-gold project located in Ayacucho, Peru and for general working capital. The Shares issued under the Offering are subject to a four-month hold period and are not registered in the United States. A total of \$110,000 was paid in commissions for the offering.

Blue Star Gold [updated its corporate activities](#) and to report on its planned operations for 2019. Blue Star has decided to drill this year on its priority gold targets within the company’s 100%-owned Hood River concessions (the “Hood Property”) and to map and sample in detail certain high-grade gold occurrences for future drilling programs.

Since restructuring of its board and management in late 2018, Blue Star has been working on the planning, permitting and execution of its inaugural drill program on its 100%-owned Hood Property in the Kitikmeot region of western Nunavut. The company began the process by meeting and consulting with Nunavut stakeholders, and has augmented its technical team by engaging expert consultants in areas of community relations and territorial permitting.

Dunnedin Ventures Inc., announced [defining potential diamond source target area at Kahuna](#) Project in Nunavut and reported results from 109 till samples collected in the Josephine Target Area (JTA) during the fall of 2018. Results have defined a discrete target area for potential diamond sources of 3 km² at the head of the JTA, a trend of abundant high-quality diamond indicator minerals (DIM) for which no source is known yet. Although the focus of Dunnedin’s near-term exploration plans will be on its recently expanded portfolio of large-scale copper porphyry projects in Canada and the USA (see news releases of November 29, 2018 and March 4, 2019), the Company’s next diamond-focused exploration campaign will be aimed at the discovery of kimberlite pipes within this newly defined area.

The Company collected approximately 750 till samples in the JTA in the fall of 2018, of which 109 priority samples

have been analysed by CF Mineral Research Ltd. (“CFM”) laboratory in Kelowna, BC. Superior DIM chemistry in these recent results confirms that the JTA is the most prospective area on the Kahuna property to host significantly diamondiferous kimberlite (see release with Figure 1). See the release for a summary of these select till results.

Evrin Resources Corp. announced that Newmont FN Holdings ULC, a subsidiary of Newmont Mining Corporation (“Newmont”), has [designated the Astro project for option](#) under the terms of the exploration alliance (the “Alliance”) signed on July 10, 2017 with Evrim Exploration Canada. The Astro project is situated on the western margin of the Mackenzie Platform, a basin which runs parallel to the Yukon and Northwest Territories border. “The designation of the Astro Project has met the Alliance’s original goal; generating quality greenfield targets in terranes favorable for large scale gold deposits,” commented Paddy Nicol, Evrim’s President and CEO. “This summer Newmont and Evrim have planned a US\$1.2 million exploration and drilling program at Astro. The permitting process is well underway, and we look forward to the engagement of the local community within the Sahtu region.” Evrim and Newmont acknowledge that the Astro Project is located within the traditional territory of the Sahtu Dene and Metis Comprehensive Land Claim, and are committed to developing a positive and mutually beneficial relationship based on respect and transparency.

Evrin Resources Corp. announces the [appointment of Ms. Liliana Wong as Investor Relations Manager](#). Ms. Wong will be a key member of Evrim’s ongoing marketing initiatives and will be responsible for the company’s investor relations activities. Ms. Wong has worked in marketing and investor relations roles for the last nine years in the technology and mining industries. She graduated from the University of British Columbia with a Bachelor of Arts in 2009 and earned a Digital Marketing diploma in 2016. Ms. Wong has experience working with junior mining companies listed in the United States and Canada.

GoldMining Inc. [announced resource estimate](#) for the Yellowknife Gold Project. Updated mineral resource for the Yellowknife Project includes a measured and indicated resource of 1,059,000 ounces grading 2.33 g/t gold and an inferred resource of 739,000 ounces grading 2.47 g/t gold (Table 1 details in full release).

This resource estimate increases GoldMining’s aggregated measured and indicated resource to 10,530,000 ounces gold (13,429,000 ounces gold equivalent) and aggregated inferred resource to 12,444,000 ounces gold (14,896,000 ounces gold equivalent) resulting in a 13% increase in the measured and indicated categories and an 11% increase in the inferred category across all of its Projects (Table 2);

Extensive historic exploration work completed on the Project including diamond drilling (231,600 m in 1,061 holes), underground development (2,399 m), bulk sampling (10,200 t) and positive metallurgical studies; Project is accessible by permitted winter road extending 95 km north from Yellowknife with nearby infrastructure including hydro-electric power, air transportation, service providers and skilled workforce; and Located in the mining-friendly jurisdiction of the Northwest Territories, home to major mines operated by DeBeers, Rio Tinto, and The Washington Companies.

Nighthawk Gold Corp. [provided results from the latest metallurgical test work on the Colomac Gold Project](#) ("Colomac"). Four bulk drill core samples were collected from 21 boreholes covering 7 mineralized zones within the Colomac and Goldcrest sills. The results are presented in Table 3 and include a summary of test results from all three preliminary metallurgical studies now completed. Findings continue to reveal: a relatively uniform hardness for material tested to-date; that the rock is amenable to all standard gold recovery technologies; and using a combination of gravity and cyanide leach recovery processes, testing showed that gold recoveries for all six bulk samples tested to-date range from 96.3% on the lower-grade material up to 98.0% for the higher-grade material, representing a significant increase in recovery over historic production results of 88.1% (1994 to 1997).

Test work Highlights:

- A total of six bulk drill core samples spanning 3 metallurgical studies have now been collected from 7 mineralized zones within the Colomac and Goldcrest sills;
- Minimal variation in rock hardness is noted for all test samples indicating a relatively homogeneous host rock across both sills;
- Favourable recoveries were achieved for flotation, gravity separation, and leaching;
- Gold extraction by flotation ranged from 90.7% - 98.1% with maximum tested recoveries achieved at a feed size F80 of 75 microns (optimum grade-recovery performance was not examined);
- Cyanidation of ground rock after gravity concentration increased gold recoveries across the board up to 98.0%;
- Results to-date compare favourably to similar North America projects.

North Arrow Minerals Inc. [updated its Mel Diamond Project, Nunavut](#) and the LDG Joint Venture Diamond Project, Northwest Territories.

Mel Project Till Sample Results

Final kimberlite indicator mineral (KIM) results have been received for 447 till samples collected during the 2018 field program at the company's 100% owned Mel Project, located within 18 km of the Arctic Ocean, approximately 140 km south of the community of Hall Beach and 210 km

northeast of North Arrow's Naujaat Diamond Project near the community of Naujaat. KIMs, ranging from 1 to 34 grains, have been recovered from 35 of 447 till samples collected during the 2018 program. The samples had a nominal field weight of 10 kg and were collected on an approximate 1 km by 1 km grid to provide complete, even spaced coverage over the 56,000 ha property. Positive samples have widened the North Mel KIM target by at least 750m, to a total width of 3,600m. In particular, a sample returning 34 KIMs including Cr-pyrope, eclogitic garnet and Mg-ilmenite was located approximately 1,200m north of the significantly diamondiferous ML8 kimberlite occurrences identified during the 2018 drilling program (please see North Arrow news release dated September 24, 2018), and is interpreted as a potential fourth KIM train within the North Mel target area. Sampling in the southern part of the property has expanded the south Mel KIM target area, including the most anomalous sample returned to date in this region (15 KIMs including Cr-pyrope, eclogitic garnet, and Mg-ilmenite). Next steps for the Mel project include additional prospecting and till sampling to better define areas with unresolved indicator minerals, as well as further geophysics to better define specific drill targets at the head(s) of more well-defined KIM trains. Meetings with the community of Hall Beach to share the complete results of the 2018 exploration program are scheduled for early April, 2019.

NorZinc Ltd. reported interim financial results and development activities for the year ended December 31, 2018. See [the full release for details](#) on the following:

- Results & Recent Highlights
- Financial and Corporate
- Project and Indigenous Groups – Prairie Creek
- Regulatory Approval
- Indigenous Agreements
- Timing
- Financing Initiatives

Osisko Metals Incorporated announced [additional assay results from 34 drill holes completed in the East Mill Zone](#) ("EMZ") within the Pine Point Mining Camp ("PPMC"). Drill hole EM-18-PP-226 intersected 6.30% Zinc and 6.64% Lead over 8.80 metres and drill hole EM-18-PP-221 intersected 7.37% Zinc and 4.56% Lead over 6.00 metres (see 2018 Summer Drill Campaign East Mill Zone K-35).

All intersections are within flat lying, tabular-style deposits with all reported intercepts located above a vertical depth of 45 metres. Highlights are listed in the full release in Table 1 and details are provided in Tables 2 & 3 in the full release.

Jeff Hussey, President & CEO of Osisko Metals, commented: "These new results continue to confirm the consistency and excellent grade of the near-surface mineralization at Point Point and further supports our

objective to upgrade a significant portion of the resource base to indicated category in the upcoming 2019 MRE.”

The reported results are part of the East Mill Zone that presently contains 5.5 million tonnes of 3.76% Zinc and 1.30% lead and are in the vicinity of the newly modelled K-35-01 historical pit that currently measures 450 metres in strike length with an average mineralized north-south width of approximately 100 metres. These resources are considered to be amenable to shallow open pit mining (see the NI43-101 technical report available at www.sedar.com and on the company’s website as well as December 6, 2018 press release).

Rover Metals Corp. announced the [appointment of Oliver Foeste](#), CPA, CA as Chief Financial Officer. Mr. Foeste is currently the Managing Partner of Invictus Accounting Group (based in Vancouver, BC), and brings over a decade of financial and business advisory as well as executive and directorship experience across a number of sectors including mining, natural resources, technology, real estate, cannabis, and more. Oliver currently holds strategic CFO roles for a select number of private and public companies, and previously held senior management and executive positions in multinational and small capitalization companies listed in both Canada and the United States.

Seabridge Gold Inc. [announced filing](#) its Audited Consolidated Financial Statements and its Management’s Discussion and Analysis for the year ended December 31, 2018 on SEDAR (www.sedar.com) and its Form 40-F has been filed with the SEC on EDGAR (www.sec.gov/). The company’s Shareholders may, upon request, receive a hard copy of the company’s complete 2018 audited consolidated financial statements free of charge. To review these documents on the company’s website, please see <http://www.seabridgegold.net/sharefinrep.php>.

Seabridge Gold holds a 100% interest in several North American gold resource projects. The company’s principal assets are the KSM and Iskut properties located near Stewart, British Columbia, Canada and the Courageous Lake gold project located in Canada’s Northwest Territories. For a breakdown of Seabridge’s mineral reserves and resources by project and category please visit the company’s website at <http://www.seabridgegold.net/resources.php>

Silver Range Resources Ltd. [announced the closing of the private placement](#) announced February 27, 2019. The private placement consisted of the issuance of 1,822,727 common shares at a price of \$0.11 per share, for gross proceeds of \$200,500. No finders fees were paid and insiders purchased 1,431,818 shares for proceeds of \$157,500. All of the securities issued as part of this private placement will be subject to a hold period in Canada expiring on July 22, 2019.

Silver Range Resources Ltd. announces that it has entered into a [shares for services agreement](#) with Paladin

Geoscience Corp. (“Paladin”), a private company controlled by Michael A. Power, Silver Range’s President and Chief Executive Officer, pursuant to the provisions of TSX Venture Exchange (the “Exchange”) Policy 4.3. Pursuant to the agreement, Paladin, which provides geological and other consulting services to Silver Range, will receive 50% of its monthly consulting fee in cash, with the remaining 50% to be satisfied by the issuance of Silver Range common shares, which shares will be issued at a deemed price per share equal to the market price of Silver Range’s shares as traded on the Exchange calculated at the end of each month in which consulting services are provided minus 50% of the discount permitted under applicable Exchange policies. The shares will be issued semi-annually and will be subject to a four month and one day hold period commencing upon the date of issuance. This agreement is subject to Exchange acceptance.

Sixty North Gold Mining Ltd. [announced that Geotech Ltd. has completed a 135 km helicopter-borne VTEM™ Plus](#), time domain electromagnetic and horizontal magnetic gradiometer survey across the Mon Property. This system was selected to trace the outcropping Ag, Au, Pb, Zn enriched VMS-style mineralization recently discovered on the property (see news release November 6, 2018). The final report is expected to take 4 to 6 weeks to complete, however the initial results are promising.

Massive, semi-massive and disseminated galena, sphalerite, and tetrahedrite was identified within mixed mafic volcanic, felsic tuff and chert, in the 2018 rock sampling program. A 2,500 m long contact of mixed mafic and felsic tuffs hosts numerous structurally and stratigraphically controlled massive and disseminate sulphides and weakly gossanous schist zones discovered in late fall, 2018, and referred to as the Nelson Lake Deposit. Seven isolated weakly to strongly conductive anomalies ranging from single line (<200m long) to 720m long zones have been identified from preliminary plots of the Geotech data. Six conductors have associated magnetic responses. Four coincident magnetic anomalies are part of longer more formational trends. All conductors appear to be parallel to the steeply dipping stratigraphy.

TerraX Minerals Inc. has [completed relogging and sampling](#) of 1579 meters of the 16,000 meters of historical drill core recovered from the Giant Mine core yard (news release January 14, 2019). TerraX is highly encouraged that gold mineralization trends onto the Barney Deformation Corridor (“BDC”) target zone along the northern extension of the structure that hosted the Giant Mine (Figure 1 in full release). Mineralization within the historical drill core is adjacent to historical high-grade assays within vein and shear zone structures across broad zones of alteration similar to Giant. Individual assay values from the margins of the historical sampling included 5.06 g/t Au, 2.74 g/t Au, 1.65 g/t Au, 0.99 g/t Au, and 0.96 g/t Au. President and CEO David Suda stated: “Results from historical core assays have led to a pivotal moment in TerraX’s advancement toward a potentially significant gold

discovery. Assay results indicate that gold structures mined by Giant just south of TerraX property continue north for 4 km on our BDC target. The results underpin data which drove the BDC as a top target and provide significant technical insight for future drill targeting along the trend.”

TerraX Minerals Inc. is pleased to [announce](#) that a type B water licence was issued by the Mackenzie Valley Land and Water Board approving TerraX’s broad exploration plan for all land holdings of its Yellowknife City Gold project. The water licence enhances the new land use permit (news release February 27, 2019). This water license is effective for seven years until March 6, 2026 and covers all TerraX’s claims and leases on the entire 70 kilometre length of the YCG project.

“Receiving the Type B Water License significantly enhances exploration and development potential at the YCG project,” said President and CEO David Suda.

TerraX wishes to acknowledge the many community and government stakeholders who were engaged during the permitting and licensing processes including the support of the City of Yellowknife, CanNor, the Department of Fisheries and Oceans, and the Government of the Northwest Territories Department of Industry Tourism and Investment. TerraX would also like to thank the technical staff of the MVLWB for their guidance and review of TerraX’s application.

Western Atlas Resources Inc. announced a [non-brokered private placement offering](#) of up to \$3,000,000. The Offering will consist of the sale of flow-through and non-flow-through units at a price of \$0.10 and \$0.085 per unit respectively. Each unit will consist of either:

- One flow-through share and one-half (1/2) of a non-flow-through common share purchase warrant. Each whole warrant will entitle the holder to purchase one additional common share at a price of \$0.20 for a period of two years from the closing of the Offering; or
- One non-flow-through share and one-half (1/2) of a non-flow-through common share purchase warrant. Each whole warrant will entitle the holder to purchase one additional common share at a price of \$0.20 for a period of two years from the closing of the Offering.

The proceeds of the private placement will be used for the exploration of the company’s Meadowbank project in Nunavut, the potential addition to the company’s exploration portfolio of one or more properties located in different jurisdictions and for general administrative expenses.

The proceeds from the sale of flow-through units will be used for Canadian Exploration Expenses, and will qualify as “flow-through mining expenditures”, as defined in the Income Tax Act (Canada).



*A total of 7,489 loads were transported over the 2019 Tibbitt to Contingwayto Winter Road (see article page 17).
Rio Tinto Diavik photo*

Member news releases this past month

- 4 April 2019 [Sabina Gold & Silver closes flow through financing to raise \\$5.2 million](#)
- 3 April 2019 [Nighthawk commences 2019 drill program at its 100% owned Indin Lake gold property](#)
- 3 April 2019 [Osisko Metals intersects 12.94% zinc+lead over 8.80 metres at Pine Point](#)
- 2 April 2019 [Baffinland welcomes Udloriak Hanson \(Udlu\), as Vice President, Community and Strategic Development](#)
- 2 April 2019 [Government of Nunavut and Baffinland Iron Mines sign Memorandum of Understanding](#)
- 2 April 2019 [Sixty North Gold reports seven high-priority drill targets for vms mineralization from airborne geophysics survey over the Mon property, near Yellowknife](#)
- 2 April 2019 [Avalon continues to progress its advanced critical materials projects towards development](#)
- 1 April 2019 [Silver Range Resources Ltd. announces shares for services agreement](#)
- 28 March 2019 [Sabina Gold & Silver announces non-brokered private placement flow through financing to raise \\$4.9 million](#)
- 28 March 2019 [Stornoway reports fourth quarter and 2018 financial results](#)
- 28 March 2019 [Sabina Gold & Silver upgrades to OTCQX market in U.S.](#)
- 27 March 2019 [Seabridge Gold files 2018 year end audited financial statements and MD&A](#)
- 27 March 2019 [North Arrow reports final till sampling results, Mel Diamond Project, Nunavut](#)
- 27 March 2019 [Auryn increases and closes non-brokered private placement for C\\$5.25 million](#)
- 26 March 2019 [Baffinland submits responses to technical comments for Phase 2 permitting process](#)
- 26 March 2019 [Auryn announces appointment of new CFO](#)
- 26 March 2019 [Rural Municipality of Corman Park rejects plant site rezoning](#)
- 25 March 2019 [Sabina announces year financial results](#)
- 21 March 2019 [TerraX receives Type B Water License from Mackenzie Valley Land and Water Board](#)
- 20 March 2019 [Mountain Province Diamonds announces full year and fourth quarter 2018 results](#)
- 20 March 2019 [Dunedin defines potential diamond source target area at Kahuna Project, Nunavut](#)
- 19 March 2019 [Nighthawk reports exceptional gold recoveries from Colomac metallurgical testwork](#)
- 18 March 2019 [Baffinland conducts Phase 2 risk assessment workshop in Trois Rivières, Quebec](#)
- 18 March 2019 [NorZinc reports results for 2018](#)
- 18 March 2019 [TerraX confirms gold structures that hosted one of Canada's highest grade past producing mines \(The Giant Mine\) extend onto TerraX target zone](#)
- 14 March 2019 [Eight students complete Work Ready program in Arctic Bay](#)
- 12 March 2019 [TMAC announces appointment of director, investor relations and strategic development](#)
- 8 March 2019 [Celebrating International Women's Day – Fourth Quarter IIBA Report highlights](#)
- 6 March 2019 [Newmont designates Evrim's Astro Project in NWT for option](#)
- 5 March 2019 [Western Atlas Resources announces non-brokered private placement](#)
- 4 March 2019 [GoldMining announces resource estimate for the Yellowknife Gold Project](#)

Member Presentations

- [North Arrow Minerals PDAC presentation, March 2019](#)
- [Member's Corporate Presentation: Osisko Metals, March 2019](#)

Welcome new members!

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

- **Canada North Environmental Services**, based in Saskatoon, is an Indigenous-owned consulting/project management and research firm providing environmental services. CanNorth is a private environmental consulting company that is 100% owned by Kitsaki Management Limited Partnership, the business arm of the Lac La Ronge Indian Band. Contact is Peter Vanriel, peter.vanriel@cannorth.com, 306-652-4432, and website is www.cannorth.com.
- **GoldMining Inc.**, based in Vancouver, is a public mineral exploration company focused on the acquisition and development of gold assets in the Americas. The company controls a diversified portfolio of resource-stage gold and gold-copper projects in Canada, U.S.A., Brazil, Colombia and Peru. Among its projects is the Yellowknife Gold project. Contact is Garnet Dawson, gd@goldmining.com, 604-630-1000, and website is www.goldmining.com.
- **Levitt-Safety**, has offices across Canada and offers a complete range of safety-related services, from helping develop safety programs to training teams, to maintaining readiness of critical fire and life safety systems through their entire life cycle. Contact is **Shane Paul**, shane.paul@levitt-safety.com, 867-444-9438, and website is www.levitt-safety.com.
- **Sixty North Gold Mining Ltd.**, based in Vancouver, is a junior gold development company focused on the Mon Gold Project, located near Yellowknife in the Yellowknife Greenstone Belt, NWT. The Mon Gold Project, one of the most promising gold development opportunities in the NWT, is quartz shear/vein deposit which operated as an underground mine from 1989-1997. Contact is Ron Handford, rhandford@sixtynorthgold.com, and web site is www.sixtynorthgold.com.
- **Tlicho Domco Inc.**, with offices in several locations, is an Indigenous-owned and has been in operation since 1945. It offers integrated remote site solutions, including a nutritious and well planned menu cycle, long-term relationship building, and has deep Canadian roots in remote locations with Aboriginal communities. Contact is Steven Josephson, Steven.Josephson@domcofoodservices.com, 204-641-2663, and website is www.domcofoodservices.com.

Calendar of Events

- **CIM 2019 Convention & EXPO**, *The Changing Face of Mining*, is a line-up of expertly-led short courses, 3 full days of technical presentations and a world-renowned trade show. This year's convention is from April 28-May 1, and will focus on information, intelligence and innovation. Learn more and register [here](#).
- **47th Annual Yellowknife Geoscience Forum**, the North's largest combined tradeshow and conference, November 19-21, 2019, in Yellowknife. Stay tuned for more details later this year!

Mining North Works ‘demystifies’ the industry

Chamber of Mines editorial by Terry Dobbin, published in News/North

Mining is working for Nunavut, and the proof is in the pudding, as they say.

Today we are seeing more and more Nunavummiut finding meaningful jobs in mining. We are seeing Nunavut mining business on the rise and more mining taxes and royalties flowing to public and Inuit governments than ever before.

But that doesn’t mean we can sit back and relax.

More opportunities are available, and we want Northerners to learn how to seize them. Our mines are looking for more Nunavummiut to take well-paying and interesting jobs. They’d like to do more business.



*Terry Dobbin NWT and
Nunavut Chamber of Mines
Nunavut general manager.*

To help them achieve that – and to help people learn more about just how mining works for Nunavut and how they might become involved in it – the Chamber of Mines has launched a public awareness initiative named Mining North Works! A big goal of the Mining North Works program is to “demystify” mining. Another is to attract people into mining jobs.

We invite you to learn more through our new website:
www.miningnorthworks.com.

Uncertain of just how mining works?

The menu item ‘How it Works’ covers mining history, geology, and some key ‘big picture’ statistics. You’ll also learn about the mining cycle, which spans decades and includes many phases; starting with exploration and concluding with closure and reclamation. Learn how communities and regulators are involved throughout; and how local residents benefit from employment opportunities.

Looking for a mining job? What kind of job? Besides the people who blow up rocks and drive trucks, did you know there are more than 150 types of jobs at a mine?

The employment opportunities that come from exploration and mining are enormous. Close to 500 Nunavummiut fill our mines’ workforce already. But there’s a huge opportunity to increase these numbers, and this is one of the key goals of MiningNorthWorks program.

Check out the website’s [careers section](#). It not only identifies the many jobs at a mine, but highlights and profiles many of our current mines’ workers. See who you might know, and what they do, and what skills are required to do their job.

Look for our [Nunavut minerals industry career catalogue](#), which we’ve uploaded to the website.

Mining is a very important business for Nunavut. It’s gone from zero mines in 2009, to four mines in 2019. Jobs are on the rise, business is growing, and governments are benefitting, which means we are all benefitting. The opportunities that the minerals industry provides are enormous and exciting. You can be part of it, and you can learn more about it. We invite everyone to come and learn more about MiningNorthWorks! [View NNSL guest column](#)

Mines & promising Northwest Territories mine projects

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

Project Name	Owner(s)	Commodity	Description	Status
Ekati Mine	Dominion Diamond Mines ULC , and Dr. Stewart Blusson	Diamonds	Canada's first and largest diamond mine, 310 km. NE of Yellowknife. Open pit and underground. Mine life potentially to 2041. Workforce in 2017, 1,734. The Ekati mine consists of two joint ventures, the core zone joint venture and the buffer zone joint venture, in which the company has interests of 88.9% and 72.0%, respectively. Reserves at 31 January 2017 were 68.9 million tonnes at 1.5 carats per tonne for 105.4 million carats. Inferred mineral resources were 20.6 million tonnes at 1.0 carats per tonne for 19.8 million carats. Additionally, Fox Deep indicated and inferred resources of 51.0 million tonnes at 0.4 carats per tonne for 18.7 million carats.	Media release, 13 December 2018 Dominion Diamond Mines announces the recovery of the largest diamond ever found in North America at Diavik
Diavik Mine	Rio Tinto (operator) & Dominion Diamond Mine ULC	Diamonds	Canada's largest producer of diamonds, 300 km NE of Yellowknife. Mine life to 2025. Became all underground mine in 2012. Workforce in 2017, 1,233. New A21 open pit development will cost US\$350m over 4 years. A21 commence ore production in the first half 2018. Reserves at Dec 31, 2017 were 15.1 million tonnes at 2.8 carats/tonne for total of 42.5 million carats.	Media release, 1 October 2018 Diavik Stars of the Arctic dazzle in rough diamond tender
Gahcho Kué Mine	De Beers Canada Inc (51% and operator) and Mountain Province Diamonds Inc. (49%)	Diamonds	Located approximately 280 km NE of Yellowknife, NWT. Open pit mine with life of 12 years. Mine reached commercial operation in Q1 2017. Workforce in 2017, 483. Plan is for three open pits to mine 5034, Hearne and Tuzo ore bodies producing average of 4.5 million carats/year. Hearne began production in April 2018. Reserves at 31 March 2014 (production commenced Q3 2016) were 35.4 million tonnes at 1.6 carats per tonne for 55.5 million carats.	Media release 20 March 2019 Mountain Province Diamonds announces full year and fourth quarter 2018 results
Prairie Creek	NorZinc Ltd.	Zinc-lead-silver	Proposed underground mine 120 km W of Ft. Simpson. Estimated mine jobs: 220 All permits now in place to construct and operate the mine. Feasibility Study completed in 2017 supports 15-year mine life. Subject to completion of financing, and 2.5-year construction phase, production proposed for mid-2020. In 2017, the Mackenzie Valley Environmental Impact Review Board recommended approval of the proposed all season road.	Media release 18 March 2019 NorZinc reports results for 2018

			Over the past eight years Canadian Zinc has successfully completed numerous environmental assessments related to exploration and development of the Prairie Creek Mine. Canadian Zinc has obtained all the significant regulatory permits and social licences required to complete construction and development and undertake mining and milling at Prairie Creek, including construction and use of a winter access road to the mine site.	
NICO	Fortune Minerals Limited.	Cobalt-gold-bismuth-copper	Proposed open pit and underground mine located 50 km NE of Whati. Estimated mine jobs: 150. Mine life, 20 years. In March 2018, The Mackenzie Valley Environmental Impact Review Board has recommended that the Tlicho all-season road be approved. The approval is subject to measures designed to mitigate potential environmental, social, and cultural impacts. The Government of the Northwest Territories, Department of Transportation and Tlicho Government received this conditional approval on March 29, 2018, enabling construction of the 97-kilometre Tlicho Road to connect the community of Whati to the territorial highway system.	Media release 26 March 2019 Rural Municipality of Corman Park rejects plant site rezoning
Kennady North	Mountain Province Diamonds Inc.	Diamonds	Kennady North project comprises 13 leases and claims immediately to north and west of 4 leases controlled by the Gahcho Kué Joint Venture (see above). Project aims to identify a resource along the Kelvin – Faraday kimberlite corridor of between 12 and 15 million tonnes at a grade of between 2 and 2.5 carats per tonne and to identify new kimberlites outside of the corridor. The Kelvin – Faraday corridor is a target for further exploration. Potential quantity is conceptual as there has been insufficient drilling to define a mineral resource and it is uncertain if further exploration will result in target being delineated as a mineral resource.	Media release 27 February 2019 Mountain Province Diamonds begins Kennady North winter exploration program
Indin Lake	Nighthawk Gold Corp	Gold	Nighthawk controls over 90% of the prospective Indin Lake Greenstone Belt in this historic gold camp with a total ground position now comprising 930 sq km, approximately 220 km north of Yellowknife, NT. The Indin Lake Greenstone Belt is one of Canada's most underexplored gold camps. The property contains 14 known gold deposits and showings, 3 are historic mines (eg Colomac)	Media release 3 April 2019 Nighthawk commences 2019 drill program at its 100% owned Indin Lake gold property Media release 19 March 2019 Nighthawk reports exceptional gold recoveries from Colomac metallurgical testwork

Pine Point	Osisko Metals Incorporated	Lead-zinc	Proposed open pit mine east of Hay River, NT. 10 open pits mined sequentially with 321 jobs. PEA quotes 13-year mine life. Osisko Metals has begun active exploration to advance the project. The objective of the 2018 drill program is to upgrade approximately 50 million tonnes of unclassified near-surface historical resources (Cominco Ltd.) to NI43-101 Inferred Mineral Resources as quickly as possible in areas amenable to open pit mining. The 2018 program consists of approximately 700 drill holes (323 now completed) within the Main Trend, a 20- kilometre long, portion of the PPMC that is located on the south shore of Great Slave Lake in the NWT, near infrastructure and paved highway access and with 100km of haulage roads already in place.	Media release 3 April 2019 Osisko Metals intersects 12.94% zinc+lead over 8.80 metres at Pine Point
Courageous Lake	Seabridge Gold Inc.	Gold	Proposed open pit mine 240 km NE of Yellowknife. 6.5 M oz proven and probable reserves in 91.0 million tonnes at 2 g/t (2016 Annual Report). Positive PFS July 2012. The FAT deposit is one of Canada's largest undeveloped gold projects. Seabridge is currently focusing on their KSM mine and other BC projects.	Media release 27 March 2019 Seabridge Gold files 2018 year end audited financial statements and MD&A
Selwyn Project (Howard's Pass Project)	Selwyn Chihong Mining Ltd.	Zinc, lead	Proposed base metal mine in Yukon on NWT border and access is through NWT. Agreements signed with NWT (Sahtu) Indigenous land corporations. The project will process multiple open pit mines over an approximate 10+ year mine life and includes a mineral processing plant, tailing management facility and the required on-site infrastructure. The mine is being designed to process 38,500 tonnes per day (tpd) of ore which, after processing, is expected to result in 2,500 tpd of zinc and 600 tpd of lead concentrate, which would be trucked to the Port of Stewart for export. Selwyn Chihong estimates the proposed mine will create approximately 1500 jobs during construction and approximately 750 during operation.	Selwyn Chihong Mining's proposed upgrade of a road to its lead-zinc mining project in Yukon's Selwyn Mountains will undergo an environmental assessment. Parks Canada has referred the 79km Howard's Pass Access Road (HPAR) to Environmental Assessment under the MVEIRB, which accepted the referral in July 2015. The HPAR was developed in the 1970s and runs from the Nahanni Range Road to the NWT-Yukon border. Passing through 2 national parks. Yukon media reported in Feb 2016 that Selwyn Chihong has decided to slow their project down due to the current low zinc prices and will not to take the project to the permitting stage this year. According to External Affairs VP Maurice Albert, SC has opted for a traditional drilling program and hopefully add another 10 years to the mine life.
Nechalacho	Avalon Advanced Materials Inc.	Rare earth metals	Proposed underground mine 100km SE of Yellowknife. Estimated mine jobs: 200. The company remains optimistic that rare earth demand will recover sufficiently to advance the project.	Media release 2 April 2019 Avalon continues to progress its advanced critical materials projects towards development

Mines & promising Nunavut mine projects

The following table describes leading mineral development projects in Nunavut.

Project	Owner(s)	Commodity	Description	Status
Meadowbank Gold Mine	Agnico Eagle Mine Ltd.	Gold	In operation since 2010. Open pit mine located in the Kivalliq Region, 300 km west of Hudson Bay and 70 km N of Baker Lake. Mine jobs: 775 AEM announced they will develop Amaruq satellite deposit, 50km from mine site and add 6 years to mine life, beginning in 2019. Construction of the Amaruq Exploration Access Road commenced in first quarter 2016. Road construction is ongoing with nine kms completed to date of expected total length of 64kms.	Media release 14 February 2019 Agnico Eagle reports fourth quarter and full year 2018 results
Mary River Iron Mine	Baffinland Iron Mines Corporation	Iron	In operation since September 2014; Open pit mine 936 km N of Iqaluit. Mine jobs: 602 Production from Early Revenue Phase (ERP) began September 8, 2014. The company has proposed a Phase 2 project with increased production and shipping. AANDC Minister has approved application for exemption from NPC negative conformity determination, July 2015.	Media release 2 April 2019 Baffinland welcomes Udloriak Hanson (Udlu), as Vice President, Community and Strategic Development Media release 2 April 2019 Government of Nunavut and Baffinland Iron Mines sign Memorandum of Understanding Media release 26 March 2019 Baffinland submits responses to technical comments for Phase 2 permitting process Media release 18 March 2019 Baffinland conducts Phase 2 risk assessment workshop in Trois Rivières, Quebec Media release 14 March 2019 Eight students complete Work Ready program in Arctic Bay Media release 8 March 2019 Celebrating International Women's Day – Fourth Quarter IIBA Report highlights
Hope Bay (Mine began commercial production May 15, 2017)	TMAC Resources Inc.	Gold	Gold mine 130 km S of Cambridge Bay. TMAC's property covers the majority of the Hope Bay Greenstone Belt. Workforce in 2016: 335 First gold poured in first quarter 2017 and achieved commercial production in second quarter 2017.	Media release 12 March 2019 TMAC announces appointment of director, investor relations and strategic development
Meliadine	Agnico Eagle Mines Ltd.	Gold	Proposed open pit and underground gold mine, 25 km NE of Rankin Inlet. Estimated construction jobs: 1,000 Estimated mine jobs: 700 IIBA signed June 2015. Initial capital cost estimate \$911m; mine life 14 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 3.4 million ounces of gold in proven and probable	Eagle Blog 27 February 2019 Meliadine pours first gold The Meliadine project was approved for development on February 16, 2017 and is now under construction.

			reserves* (14.5 million tonnes at .32 g/t) and a large mineral resource.	
Back River	Sabina Gold & Silver Corp.	Gold	Approximately 60km from Hackett River; adjacent to the Wishbone Greenstone belt. Consists of George and Goose Lake deposits and holds significant gold resources. Estimated construction jobs: 1,600 Estimated mine jobs: 900 Sabina's Feasibility Study on its 100% owned Back River Gold Project presents a project designed on a fit-for purpose basis, with the potential to produce ~200,000 ounces a year for ~11 years with a rapid payback of 2.9 years (at a US\$1,150 gold price and a 0.80 exchange rate). Initial CAPEX of \$415 million. EA complete	Media release 4 April 2019 Sabina Gold & Silver closes flow through financing to raise \$5.2 million Media release 28 March 2019 Sabina Gold & Silver announces non-brokered private placement flow through financing to raise \$4.9 million Media release 28 March 2019 Sabina Gold & Silver upgrades to OTCQX market in U.S. Media release 25 March 2019 Sabina announces year financial results
Kiggavik	Orano Canada Inc.	Uranium	Proposed uranium mine 80 km W of Baker Lake. Estimated Construction jobs: 750 Estimated mine jobs: 600	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.
Izok Corridor Project (with High Lake & Hood River deposits)	MMG Ltd.	Copper, Zinc, Gold, Silver	High Lake is 1,710-hectare, copper-zinc-silver-gold property, 190 km ESE of Kugluktuk. Izok is high-grade zinc-copper-lead-silver deposit, 255 km SW of Kugluktuk. Estimated construction jobs: 1,140 Estimated mine jobs: 710	Nunavut Government announced that the Grays Bay Port and Road project did not qualify for federal Transport Corridor funding. Company stated publicly that project needs Grays Bay Road and Port project infrastructure to become a mine.
Chidliak	De Beers Group	Diamonds	Located 120kms NE of Iqaluit, Nunavut, and 180 km S of Pangnirtung. 74 kimberlites discovered with 8 potentially economic on 317,213-hectare site. Positive Phase One PEA, updated May 2018 highlights: •After-tax payback of 2.2 years •Life of mine 13 years •Resource at CH-6 and CH-7 exceeds 22 million carats •Pre-production capital requirement ~\$455m, incl \$95m for access road from Iqaluit, \$55m in contingency •Pre-tax NPV(7.5) of \$1069 million and a pre-tax IRR of 38.6% •After-tax NPV(7.5) of \$679 million and an after-tax IRR of 31.1% •Average LOM strip ratio of 6.6:1 (average across the combined CH-6 and CH-7 open pits); Mining to a depth of 300 mbs at CH-6	Media release, 13 September 2018 Peregrine Diamonds announces completion of plan of arrangement
Angilak	ValOre Metals Corp. (formerly Kivalliq Energy)	Uranium	340,268-acre property located SW of Baker Lake; Hosts the high-grade Lac 50 Trend deposit	Media release, 14 December 2018 ValOre defines new gold in till target areas and extends geophysical coverage to 110 km on Baffin Island, Nunavut Media release, 3 December 2018 ValOre announces rights offering
Naujaat Diamond Project	North Arrow Minerals	Diamonds	7 km from tidewater; 9 km from Repulse Bay, Melville Peninsula; 7,143 hectares of contiguous mineral claims. Largest kimberlite in Nunavut.	Media release 27 March 2019 North Arrow reports final Mel till sampling results, Mel Diamond Project, Nunavut

Committee Bay Gold Project	Auryn Resources Inc. (purchased North Country Gold Corp.)	Gold	<ul style="list-style-type: none"> • High grade gold endowment • Existing exploration infrastructure • 217,600 hectares with district scale discovery opportunities 	<p>Media release 27 March 2019 Auryn increases and closes non-brokered private placement for C\$5.25 million</p> <p>Media release 26 March 2019 Auryn announces appointment of new CFO</p>
----------------------------	---	------	--	--

EXPLORE FOR YOUR CAREER







NOLAN PETERSON

OPERATIONS CONTROLLER
Hope Bay, TMAC Resources

From Cambridge Bay, Nolan went to University of British Columbia where he studied materials and metallurgical engineering.

He participated in the co-operative program and graduated with a Bachelor of Applied Science degree. He went on to complete his Master of Business Administration. He joined TMAC Resources as operations controller in January 2018. Based at TMAC's corporate office in Toronto, Nolan reports to the company's chief financial officer. Growing up, Nolan's parents motivated him by telling him education is important and, that being a good student and well educated will open doors to opportunities. His work includes reviewing and analysing data, costs, and revenues, and meeting scheduled reporting requirements. Analytical and critical thinking, planning, and leadership are the skills for this career!

Interested in learning more about this mining career or the over 100 careers in the North's minerals industry?

VISIT MININGNORTHWORKS.COM/CAREERS



“Always look for a way to better yourself and become a better person... academically and personally.”

KIA Aboriginal Skills and Employment Training Strategy programs, or for training and education opportunities in:

Kugluktuk and Cambridge Bay
ASETS Coordinator
P: 1-867-983-2458 | E: aset@kitia.ca

KIA Community Liaison Officers
Cambridge Bay 1-867-983-2458 | Gjoa Haven 1-867-360-6106
Kugaaruk 1-867-769-7948 | Kugluktuk 1-867-982-3310 | Taloyoak 1-867-561-5206

Kugaaruk, Gjoa Haven, and Taloyoak
Career Services Officer, Helen Tungilik
P: 1-867-360-6047 | E: careerservices@kitia.ca


MNW! Nunavut sponsors:













MININGNORTHWORKS.COM

Project maps

