

Northern Mining News

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From the Executive Director ...

Mining has grown to be the economic foundation in the North. In Nunavut, speedy growth begun just a mere 9 years ago by Agnico Eagle, will get another boost as the company opens its latest mine, Meliadine. A big congratulations to Agnico Eagle celebrating the start of commercial production at Meliadine!

In the NWT, diamond mining is now 37% of the GDP, and a new NWT Government report documents the many significant benefits it's created.

Your Chamber of Mines is working hard to keep it strong.

In the NWT, we are weighing in on new NWT legislation that could affect the industry negatively. Over the past month, the chamber has voiced concerns and innovative ideas to the NWT government. These ideas include using the proposed new Mineral Resources Act as a way to encourage investment, not legislation which makes the operating environment even more cumbersome. There is much at stake. Check out the stories on the MRA and tell your MLA to take action.

Happy reading! ... Editor

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

Editorial: NWT Mineral Resources Bill needs preventative maintenance

NNSL Guest Editorial, Gary Vivian, President, NWT & Nunavut Chamber of Mines, May 12, 2019

A quick google search, and you'll find that preventative maintenance is maintenance regularly performed on equipment to lessen the likelihood of it failing. It is performed while the equipment is still working so that it does not break down unexpectedly. If you owned a delivery business that relied on a truck for its success, you'd make sure you were putting some of your profits into keeping the truck well maintained. The last thing you'd want is for it to fail, and your income then suffer.

What a great concept to write into the NWT's first ever Mineral Resources Act!

We have a powerfully strong mining industry generating over \$2 billion annually. This provides thousands of jobs and hundreds of millions in annual business spending and taxes.

Unfortunately, it's maturing, and we don't have enough new mines in our future to keep the benefits coming. What about exploration, you ask? Isn't that supposed to find those new mines to sustain the business and the benefits?

Well, tragically, we've let our exploration investment slide and it's been at all-time lows for 12 years running now. So our ability to find new mines has been hamstrung. It is not commodity markets and it is not poor geology. In relation to Nunavut and the Yukon we have missed out on over \$1.5 billion in exploration expenditures. Clearly, we need preventative maintenance, to keep our business running at top form.

So when the prospect of the first ever NWT Mineral Resources Act presents itself, wouldn't it make sense to build that fresh new concept into it? If you study what's proposed in the Mineral Resources Act, you'll find the only real innovation is to legislate the negotiation of Indigenous benefit agreements. We're all for Indigenous benefit agreements. Indigenous governments already negotiate these agreements themselves with the mines. All of our mines have them. So they're not innovative or at risk. In fact, with government intervening, we're concerned that it might actually create risk to investors.

Our Chamber presented its thoughts to the GNWT. We provide a preventative maintenance plan that would have government do two things:

- Share a percentage of annual mineral exploration investment with Indigenous governments whose traditional lands are being explored; and
- When this results in a new mine discovery, government then share an additional percentage of the new royalties collected with those same Indigenous governments on whose lands the mine is developed.

This would provide recognition to those Indigenous governments who support exploration and mining and they would receive the added benefit.

These new benefits would be in addition to all of the other existing royalty benefits under land claim and devolution agreements, and in addition to benefits under agreements that Indigenous governments already negotiate themselves with developers. We think this would provide an important incentive to more exploration and mining.

We also recommend that government pay these amounts from existing royalties and windfall taxes they are collecting from industry. It would make sense for government to take some of its

profits from the industry it values and reinvest them back into ensuring the machinery of the mineral industry keeps running, continuing to provide the significant benefits we northerners have grown accustomed to.

As we develop our first ever NWT Minerals Act, let's be bold and creative, and make a positive difference. We urge you to share your thoughts with the government or your MLA on this concept. See the Chamber's release [here](#).

Chamber concerned over new NWT Mineral Resources Act

On May 17, the Chamber of Mines submitted its thoughts and recommendations on Bill 34, the NWT Mineral Resources Act to the Standing Committee on Economic Development and Economy. Click [here](#) for the Chamber's May 24 release. The full Act can be found here: https://www.assembly.gov.nt.ca/sites/default/files/bill_34.pdf.

The Chamber's key recommendations include:

#1: Send Part 5 back for further study and more comprehensive discussion with industry and investors to reduce its risks, and to consider other approaches to provide benefits to people and communities. Pre-eminent among these innovations is our recommendation to share other mineral industry revenues with Indigenous governments on whose land exploration and mining occur.

#2: Involve industry in the further study. The Intergovernmental Council established under the Northwest Territories Intergovernmental Agreement on Lands and Resources Management was provided several duties, including these two related to the MRA:

- address legislative requirements for benefit agreements relating to resource development; and
- review and develop any proposed changes to the [GNWT] legislation including the development of new resource management legislation.

This wording has enough latitude that other methods, other wording, and other benefit agreement models can be found that could more effectively, and with low risk, create benefits for people and communities. Despite several attempts, our Chamber has not been granted opportunity to meet with the Council to discuss other opportunities and concerns. We would very much like to offer our expertise in the discussion on our industry.

#3: Maintain the other Parts of the Bill, particularly those that maintain the land tenure and royalty collection systems found in the current Mining Regulations under the Northwest Territories Lands Act. These aspects have been in place for a long time, and fulfill a critically important job in providing investment certainty.

#4: Draft regulations in concert with the Act so as to provide the needed clarity of the Act's intent. Many members have observed the dizzying references to regulations still to be written. Section 111 describes some of those. Some clauses in the Act are virtually indecipherable in their intent without seeing regulations.

#5: Look at the big picture, including how other Bills like the Protected Areas Act will work against efforts to increase investor confidence under the MRA. With this first ever made-in-the-NWT minerals legislation, it is important that the 18th Legislative Assembly takes meaningful

actions to increase investor confidence and to bolster the ailing exploration and maturing mining industries in the face of other initiatives that could compromise it.

#6: Take time in the process. Many members have observed that the rapid speed with which this act and others are moving so as to be finalized before the impending election. We certainly believe there is a need for speed in rejuvenating mineral investment in the territory, given it has languished for over 12 years, however we recommend that GNWT take the time for fulsome discussion with our industry to de-risk and improve Part 5 of the Bill.

[Read the Chamber’s full submission which includes recommendations and detailed observations and comments.](#) If you feel you also have similar concerns, the Chamber recommends you contact your Member of the Legislative Assembly as soon as possible.

Encourage investment with innovation in NWT Minerals Act

The NWT & Nunavut Chamber of Mines [presented](#) government with two innovative actions under the proposed NWT Mineral Resources Act (MRA) that would simultaneously encourage investment and increase benefits to people and communities of the Northwest Territories. On May 8, Chamber President Gary Vivian delivered the message to the Standing Committee on Economic Development and the Environment at hearings in Yellowknife.

[See the Chamber’s May 9 release.](#)

“This first ever Mineral Resources Act in our history provides a tremendous opportunity to rejuvenate our maturing mining industry and turn around our ailing exploration investment. We need to sustain its strong benefits to the people and communities of the territory,” said Vivian.

But to do this, the Chamber recommends some innovation: that government share a percentage of annual mineral exploration investment with Indigenous governments whose traditional lands are explored; and when this results in a new mine discovery that government share an additional percentage of the new royalties collected with those same Indigenous governments. These new benefits would be in addition to existing royalty benefits under land claim and devolution agreements and be in addition to benefits under agreements that Indigenous governments already negotiate themselves with developers.

As it currently stands, a new “Part 5: Benefits for People and Communities” in the MRA proposes to simply legislate those very benefit agreements that Indigenous governments already negotiate themselves with mineral developers. “We’re concerned that this could actually add uncertainty,” says Vivian “and perversely drive benefits away from the NWT. Our two recommendations, on the other hand, could really make a positive difference.”

The Chamber recommends the government send the troublesome section of the Bill back for further study by public and indigenous governments with industry. “Collectively, we can create an improved part 5 that will provide an incentive for mineral investment and development and increased benefit to northerners. Currently it does not do that.”

Northerners are relying on the NWT’s mineral industry benefits to remain strong. Over the last 20 years, the NWT diamond mines have propelled Canada to third place in world production. In so doing, they have created tens of thousands of person years of employment, and billions of dollars in business and tax revenues, all shared with Indigenous and non-Indigenous governments and residents. People want to see the industry rejuvenated.

NWT Protected Areas Act will not help, Chamber tells NWT Government

Additionally, on May 9, the Chamber submitted its thoughts and recommendations on Bill 38, the Protected Areas Act. Again, our submission was done in the interests of at the least sustaining the NWT's minerals industry in order to sustain the significant benefits it creates for all northerners today.

The Chamber provided [11 recommendations](#) aimed at meeting the needs of good governance, including transparency, balance and congruency with other laws and regulations, recommendations.

Two critical areas within the Bill could detract from that: first, is the creation of special funds into which donations are invited to help protect areas, which will no doubt incentivize the creation of protected areas. Second, there is no requirement for mineral resource assessments to be conducted as due diligence in considering the mineral values that could be lost through alienation of the land to development.

While the Chamber supports the creation of special protected areas to protect their specialness, the NWT also needs an environment that encourages mineral investment.

The NWT Legislature and Government are working to fast track the Bill without changes to these critical areas.

Land use planning can also help improve Mineral investment

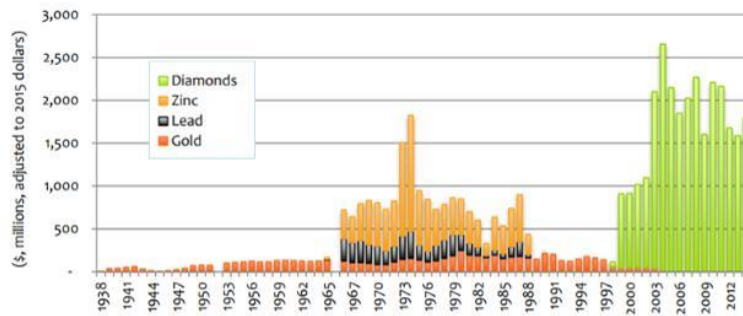
In a presentation to the annual 2-day land use planning forum held by the NWT Government in Yellowknife on May 15, the Chamber explained that mining benefits are significant and worth protecting. However, mining is maturing, and exploration is ailing, now for over 12 years. There is a loss of Investor confidence and “it’s our fault”, were among the messages delivered.

Among the land use planning recommendations the Chamber provided:

- Use a risk assessment approach to determine level of protection required
 - NWT and its development pressures are not the Amazon rain forest – be surgical not scattergun
- Don't permanently protect lands wherever possible
 - Leave options open for future generations – use land use planning tools
- Advance land use planning in the NWT
 - The dilemma is land claims not all completed, so the order might be problematic
- Conduct values mapping before drawing “no go” lines
 - K'atl'odechee Atlas approach perhaps
- Provide Balance
 - Incent mining in each region as is proposed with new conservation areas
- Raise understanding of industry, how it works, how it is regulated, land use, etc.
 - Provide accurate information on new practices, not outdated examples like Giant

See the Chamber's [May 15 presentation at the GNWT land use planning workshop](#); see two slides excerpted below.

Significant changes in our minerals industry



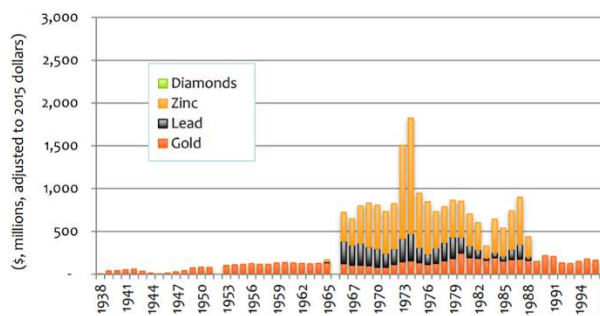
- 4 diamond mines have brought unprecedented new value to NWT
- Ushered in a new era of “modern mining”

Source: NWT Bureau of Statistics, *Mineral Production*; Statistics Canada, *Inflation Rate*.



From GNWT Land Use Planning Forum: This chart shows mineral production in the NWT since gold production began in the 1930s. Diamond mining offset loss of the gold mines. Note the very large value that four diamonds mines brought to the NWT by comparison

Mining is not my father’s industry



Source: NWT Bureau of Statistics, *Mineral Production*; Statistics Canada, *Inflation Rate*.

Significant improvements

- New land claims based legislation with co-management boards
- Mine environmental management systems to ISO14001 standards
- Individual mine environmental monitoring boards
- Closure planning even before construction
- Mines and exploration fully secured
- Socio economic agreements for each mine
- IBA’s (with scholarships, business, etc.)
- Indigenous training
- Indigenous businesses
- Mines spreading benefits: flying workers in from all over the North
- Significant taxes and royalties to public, and for first time, Indigenous governments



Building on the significant value change diamond mines brought to the economy, they also launched a new “modern industry” that has significantly different practices than our historical operations. This is not our grandfathers’ industry, heck, not even that of our fathers’.

Diamond mines generate big benefits, GNWT report

As if prescient, the NWT Government released its first ever ‘roll up’ of all the benefits that the diamond mines have reported through their annual socio-economic agreements, along with some important new tax revenue information. The report is long overdue, and we must say it excellent. [2018 Socio-Economic Agreement Report for diamond mines operating in the Northwest Territories](#) shows the NWT diamond mines are providing significant socio-economic benefits to NWT residents and businesses and generating substantial revenues to the territorial government.

Tabled by the minister for mines on May 28 in the legislative assembly, the report includes introductory messages and business and economy, employment and participation, training, wellness, and engagement sections.

“This report clearly demonstrates how important diamond mining is in the Northwest Territories, to its people and its businesses, and to government through taxes and royalties,” said NWT & Nunavut Chamber of Mines President Gary Vivian. “This is an excellent report. One which shows the result of industry, communities, and governments working together to support the minerals industry,” he added. Highlights of the 29-page report, which includes data totals spanning 1996 through 2017, show diamond mines have generated the following:

Business

- \$14.6 billion spending with northern businesses (70% of total spend)
- \$6.4 billion spending with northern Indigenous businesses
- Nearly \$100 million in annual revenues to GNWT (yearly average over past decade)
- 44% of GNWT annual tax revenue (over past 3 years)
- \$71.3 million royalties annually (average since 2008-09)
- 37.3% of territorial GDP in 2017

Employment

- 27,612 person years of northern employment (49%) of total
- 13,741 person years of northern Indigenous employment (50% of northern workforce)



To learn more about the benefits the NWT’s diamond mines provide, please see their most recent socio-economic reports posted on the Chamber’s website here:

- [Ekati Diamond Mine](#)
- [Diavik Diamond Mine](#)
- [Gahcho Kué Diamond Mine](#)

Agnico Eagle achieves commercial production at Meliadine Mine

Agnico Eagle Mines Limited reports [commercial production was achieved at the company's Meliadine mine](#) May 14, 2019.

Located near Rankin Inlet, Nunavut, Canada, the Meliadine project was acquired in July 2010 and is Agnico Eagle's largest gold deposit in terms of mineral resources. The Company owns 100% of the 111,358-hectare property. In February 2017, the company's board of directors approved the construction of the Meliadine project.

"Congratulations to all of our employees at Meliadine for achieving commercial production ahead of the original schedule and below the initial capital budget. We would also like to thank the various government agencies and the local communities for their support of the project and our efforts in Nunavut," said Sean Boyd, Agnico Eagle's Chief Executive Officer. "With Meliadine ramping up production over the balance of the year and Amaruq on schedule to achieve commercial production in the third quarter of 2019, the Company is well positioned to achieve its gold production target of 1.75 million ounces for 2019," added Boyd.

Initial ore processing commenced in early February 2019 using low-grade stockpiles. Pre-commercial payable gold production totaled 47,281 ounces, compared to guidance of 60,000 ounces, while pre-production gold sales totaled 28,855 ounces. Total project construction costs (after crediting pre-commercial gold sales) are below the 2017 guidance of \$900 million. A further update on capital costs will be provided with the Company's 2019 second quarter results.



The high-grade Meliadine gold project has 3.8 million ounces of gold in proven and probable reserves (16.7 million tonnes at 6.97 g/t) and a large mineral resource as of December 31, 2018. Image: Agnico Eagle

Expected production at Meliadine for 2019 remains unchanged at approximately 230,000 ounces of gold (including pre-commercial production) at total cash costs¹ of \$612 per ounce. (All amounts expressed in U.S. dollars unless otherwise noted)

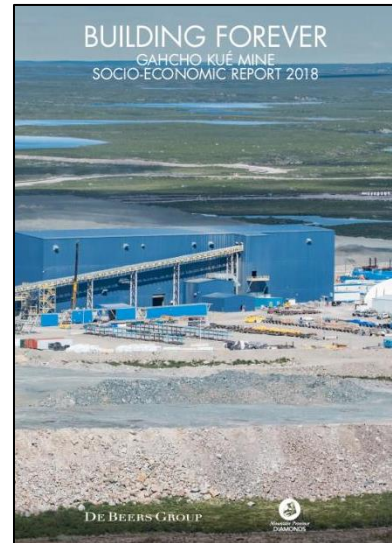
Gahcho Kué increases northern workforce, socio-economic report released

De Beers Group - Canada and Mountain Province Diamonds have released their latest socio-economic agreement report on the Gahcho Kué Mine.

[Gahcho Kué Mine Socio-Economic Report: Building Forever 2018](#) highlights that the number of Northwest Territories residents employed at joint venture Gahcho Kué Mine rose by 12% in 2018 compared to the previous year.

The mine provided 527 person years of employment during the year, of whom 265, or 50 per cent, live in the NWT, an increase of 29 over 2017. This includes both De Beers Group and contractor employees.

“Our commitment to contributing to local communities is expressed through jobs, spending with northern businesses and corporate social investment. It is encouraging to see Gahcho Kué improving each year, establishing a solid foundation for a long-term positive impact in the Northwest Territories,” said Kim Truter, De Beers Group CEO, Canada.



The report also shows:

- 26% of all Gahcho Kué Mine employees are Indigenous residents of the NWT;
- the number of women working at the mine increased to 20% of the total workforce;
- 72% of the \$291 million spent on goods and services during 2018 was with NWT and Indigenous companies, well above the 60% commitment made in the Socio-Economic Agreement with the Government of the Northwest Territories;
- \$530,000 was spent in communities through corporate social investment programs;
- mine employees took part in a total of 24,000 hours of training;
- 13 NWT residents were hired into training positions at the mine, six in the process plant, five in mining and two in apprenticeship positions; and,
- a number of initiatives were launched during the year aimed to support employee wellness, including a weight management program and a visit by a sleep expert to help employees manage shift work, among others.

“Our corporate social responsibility is measured in terms of improving conditions for our employees, shareholders, communities, and environment and our long-term success as a business is entirely dependent on our commitment to ensuring long term sustainability of the environment and communities in which we operate. We are very proud of our achievements in the Northwest Territories,” said Stuart Brown, President and CEO of Mountain Province Diamonds.

Among the highlights in 2018 were the continuation of De Beers Group’s popular Books in Homes program, which saw 6,900 books provided free of charge to youth in local communities and nine Grade 7-9 girls from the NWT attend the University of Waterloo IMPACT Camp for Indigenous Girls.

Fantastic mine rescue competition! Gahcho Kué wins for 3rd consecutive year

The 62nd Annual NWT/NU Workers' Safety and Compensation Commission Mine Rescue Competition was held in Yellowknife on May 31 and June 1.

Surface mine teams competed from Gahcho Kué (De Beers Canada/Mountain Province Diamonds), Mary River (Baffinland Iron Mines), and Meadowbank (Agnico Eagle). Underground mine teams competed from Diavik (Rio Tinto/Dominion), Hope Bay (TMAC Resources), and Meliadine (Agnico Eagle).

For the third year in a row, the Gahcho Kué Mine Rescue Team won the surface mine rescue competition. Diavik was the overall underground winner taking home trophies in six events plus the individual bench technician trophy.

Gahcho Kué captured the difficult surface obstacle, surface written, surface smoke, and surface practical bench. See [De Beers release](#).

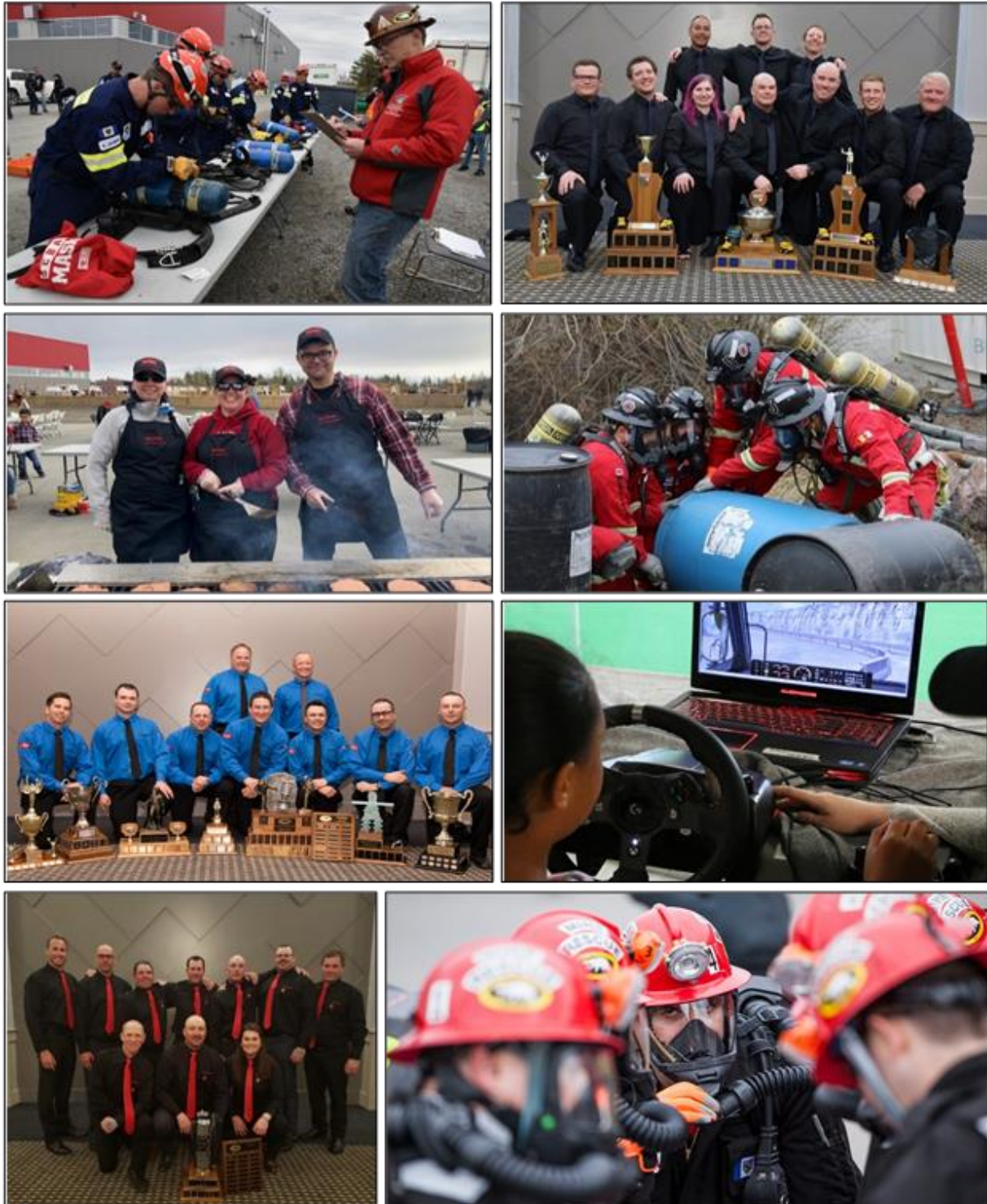
The eight-member Gahcho Kué competition team is drawn from members of the mine's 55-person emergency response team. Three team members were competing for the first time.

With the win, Gahcho Kué booked a spot in the biennial National Western Mine Rescue Competition in Fernie, B.C. this September. Gahcho Kué Mine is a joint venture between De Beers Group (51% - the operator) and Mountain Province Diamonds (49%). Officially opened in 2016, the mine is in the Northwest Territories, 280km northeast of Yellowknife. Below are details from the WSSC. See its release [here](#).

Event/Event Sponsor/Winner

- Bench Technician/WSCC/Craig Archibald (Diavik Diamond Mine)
- Surface First Aid/De Beers Canada/Mary River Iron Mine
- Underground First Aid/Baffinland/Diavik Diamond Mine
- Surface Practical Bench/Dominion Diamond Mines/Gahcho Kué Diamond Mine
- Fire Fighting/Levitt-Safety/Mary River Iron Mine
- Surface Rope Rescue/Nuna Logistics/Meadowbank Gold Mine
- Underground Rope Rescue/TMAC Resources/Diavik Diamond Mine
- Surface Written Test/Agnico Eagle/Gahcho Kué Diamond Mine
- Underground Written Test/Dominion Diamond Mines/Diavik Diamond Mine
- Surface Smoke/Draeger Canada/Gahcho Kué Diamond Mine
- Underground Smoke/Draeger Canada/Diavik Diamond Mine
- Underground Bench-Field Test/WSCC/Diavik Diamond Mine
- Surface Obstacle-Extrication/De Beers Canada/Gahcho Kué Diamond Mine
- Underground Obstacle/Diavik/Diavik Diamond Mine
- Overall Surface/WSCC/Gahcho Kué Diamond Mine
- Overall Underground/WSCC/Diavik Diamond Mine

Mine rescue competition photos



Mining Week in the NWT began with the WSCC mine rescue competition and miners' picnic on Saturday June 1.

Mountain Province Diamonds updates Faraday 2 resource

Mountain Province Diamonds Inc. [announced the filing](#) on SEDAR of its National Instrument 43-101 technical report titled Project Exploration and Faraday Inferred Mineral Resource Estimate Update, Kennady North Project, Northwest Territories, Canada dated effective April 24, 2019. The technical report describes the updated Inferred mineral resource of 5.45 million carats for the Faraday 2 kimberlite as previously announced on April 11, 2019. Also included is an update of exploration work conducted on the Kennady North Project to the end of 2018, and summaries for the Inferred Mineral resource of 1.90 million carats at the adjacent Faraday 1-3 kimberlite complex and the Indicated Mineral Resource of 13.62 million carats at the nearby Kelvin kimberlite.

Updated mineral resource estimate for the Faraday 2 kimberlite highlights

- 5.45 million carats of diamonds
- 2.07 million tonnes of kimberlite
- Average value of US\$140 per carat

The updated Inferred Mineral Resource for Faraday 2 includes 5.45 million carats of diamonds contained in 2.07 million tonnes of kimberlite, with an overall grade of 2.63 carats per tonne and an average value of US\$140 per carat. This represents a 49% increase in total tonnes and a 74% increase in total carats for the Faraday 2 kimberlite. The Inferred Mineral Resource at Faraday 2 has been updated to include the northwest extension, which was discovered in 2017 and extended the kimberlite by 150 meters. The average value of US\$140 per carat is a 25% increase from the 2017 average values of US\$112 per carat, using a recoverable (+1 mm) diamond size frequency distribution for each geological domain.

The updated resource was determined by Aurora Geosciences Ltd. and SRK Consulting Inc., who were engaged by the Company to conduct the exercise.

President and CEO of Mountain Province Stuart Brown commented: "We are very pleased with the diligent efforts of our technical team in bringing to fruition the updated technical report for the Faraday 2 kimberlite. I thank the authors of the report, Mr. Gary Vivian of Aurora Geosciences, and Mr. Cliff Revering and Mr. Casey Hetman of SRK Consulting for delivering a professional product that enhances our value portfolio for the Kennady North Project."

Mountain Province announces first quarter results and revises guidance

Mountain Province announced its financial and operating results for the quarter ended March 31, 2019. The Company is also pleased to announce that as a result of plant enhancement modifications, it has increased its 2019 guidance from 3.1 – 3.2 million tonnes treated to 3.2 – 3.3 million tonnes.

Operational Highlights for First Quarter 2019

- 870,949 tonnes treated, an 11% increase on comparable quarter (Q1: 786,000 tonnes).
- 1,584,552 carats recovered at an average grade of 1.82 carats per tonne, slightly lower than the same period last year and mainly as a result of planned mine sequencing of lower grade ore tonnes mined and treated during the quarter and due to the previously announced plant modifications (Q1 2018: 1,641,000 carats and 2.09 carats per tonne).

- 9,528,018 total tonnes mined, a 16% increase on comparable period (Q1 2018: 8,202,000).

Financial Highlights for First Quarter 2019

- Revenue from 643,739 carats sold at \$60.7 million (US\$45.8 million) compared to \$66.6 million from 527,000 carats sold in Q1 2018 (US\$52.4 million) at an average realised value of \$94 per carat (US\$71) 2018: \$126 per carat, (US\$99).
- Adjusted EBITDA1 of \$19.7 million compared to \$33.6 million in Q1 2018, mainly due to the rough diamond market being weaker in Q1 2019 compared to Q1 2018 and the sale of a different mix of goods with fewer better-quality and special stones sold in Q1 2019 compared to Q1 2018. Adverse weather conditions during the quarter also affected the costs.
- Earnings from mine operations \$10.2 million compared to \$24.6 million in Q1 2018.

See the company's [first quarter release](#). Also, in May the company announced changes to its board of directors.

Tom Peregoodoff, William Lamb, and Brett Desmond will be joining the Board pursuant to election. To accommodate these additions, Bruce Dresner, Carl Verley, and Peeyush Varshney will step down from the Board following the company's AGM of Shareholders and will not stand for re-election. [See the release](#).

NorZinc reports first quarter results

NorZinc Ltd. reported first quarter interim financial results and development activities.

The company's activities are primarily focused on the completion of permitting and ultimate development of the Prairie Creek zinc-lead-silver mine in the Canada's Northwest Territories. The Prairie Creek mine has previously received operating permits in 2013 based upon a winter road access to the mine, but recent development planning has been based on all season access to the mine. The company is in the latter stages of the permitting process for the All Season Road with the current timeline indicating permit receipt in late Q3 2019 based on the schedule provided by the regulators.

The development of the mine, subject to the above permit receipt and full financing, is planned to commence in Q1 2020 with commencement of operations in the latter part of 2022.

For the three months ended March 31, 2019, the Company reported a net loss and comprehensive loss of \$2,601,000 compared to a net loss and comprehensive loss of \$1,831,000 for the three months ended March 31, 2018.

Since January 1, 2019 the Company has made significant advances towards the successful development of the Prairie Creek mine. Highlights include:

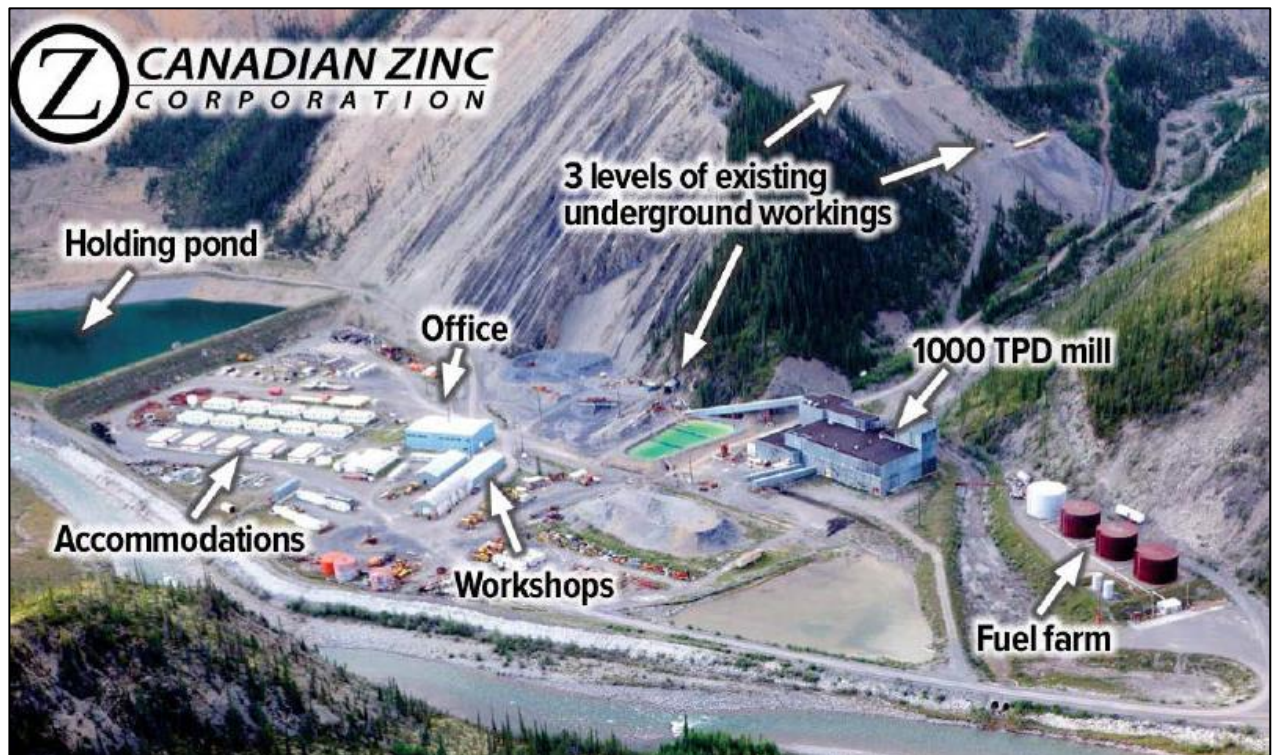
- In January the company signed a Traditional Land Use Agreement with Nah?a Dehé Dene Band and is currently progressing toward the signing of a Road Benefit Agreement with Łíídljį Kúę First Nation and an Environmental Management Agreement with NDDB and LKFN.
- In February the company submitted its final Post-EA Information Package to the regulators and received the initial comments from the official reviewer organizations in

April. Various extensions have been requested and granted but all are within the timeline previously provided by the regulators.

- In April, after an extensive search, the company announced the hiring of its project manager for the development of the Prairie Creek mine and anticipates hiring additional key development personnel throughout 2019.

See the [release](#) for more these details:

- Summary
- All season road - regulatory Approval
- Indigenous agreements
- Timing
- Financing initiatives
- Marketing
- Financial results
- Liquidity
- Outlook and factors affecting performance



For Praire Creek highlights, click [here](#). Image NorZinc

Nunavut supports mineral exploration and junior mining companies

To assist exploration companies with public engagement, the Government of Nunavut has a new [community engagement support program](#). The program supports responsible development of Nunavut's mineral resources through targeted financial assistance to community organizations, mineral exploration and junior mining companies carrying out engagement activities considered to be in the public interest.

The community engagement support program will provide financial support during a project's development, prior to the formal regulatory process for mine construction and operation.

Those projects that can demonstrate a meaningful commitment to engage Nunavummiut in a manner that is consistent with community priorities are the ideal applicants.

Funding is available, to cover costs associated with production of reports on engagement sessions, including translation and direct community engagement including:

- hiring of a project liaison employee or employees
- cost of travel to impacted communities for engagement activities
- document/map preparation (must be translated)
- facilitation services
- translation and interpretation services
- facility rental
- advertising
- catering

[Click here for the funding application PDF.](#)

Application must include a draft community engagement plan which considers communities closest to the project location, identifies potential concerns and benefits, and engages communities in project development, monitoring, and reporting plans. The draft plan shall include signed authorization by the mineral exploration company and the community organization (either Hamlet or Hunter and Trappers Organization) indicating they have reviewed and approve of the draft plan.

Priority will be given to applications that maximize the use of Nunavut goods and services, including direct employment opportunities for Nunavummiut.

For the detailed policy click this [link](#).

The funding is through the GN's Department of Economic Development and Transportation.

Nunavut to get new mining regulations – aimed at more efficient map staking

The Federal department responsible for Northern Affairs and mining in Nunavut has gazetted new Nunavut mining regulations that will allow for the introduction of an online administration system of mining rights for Nunavut (map staking). It is proposed that the existing Nunavut Mining Regulations (SOR/2014-69) be amended.

The proposed amendments would:

- eliminate the need to plant wooden posts on the ground to mark the boundaries of a mineral claim

- introduce a web-based process whereby mineral claims on Crown lands in Nunavut could be obtained online instead of using paper forms and making payments by mail or in person at the Mining Recorder's Office in Iqaluit
- allow decisions on mineral claims to be made almost instantly, reducing delays and potential confusion over ownership as it would be impossible for multiple claims to be recorded at the same time on the same location
- repeal sections on prospecting permits as they would no longer be required
- allow for payments to be made and documents to be submitted electronically
- increase the duration of a mineral claim from 10 to 30 years
- standardize the mining lease rental payments
- update mineral exploration work requirements claim holders are required to fulfill in order to keep their claims
- limit the cost of environmental baseline studies work that can be used to satisfy these work requirements

The process timelines are:

1. The amended regulations published in the attached Gazette on May 25th
2. A one month timeline to receive comments from Industry which is June 23rd
3. CIRNAC will analyze and make modifications of received comments from June to September 2019
4. Gazette 2 publication is planned for February 2020, with regulations coming into force on November 1, 2020, this will be the beginning of the transitional period.
5. A 90 Day moratorium on staking is planned for November 1, 2020 and will end on January 28th, 2021
6. And finally, online map selection system is planned to be operational on Jan. 29, 2021.

Please weigh in on draft regulations, by downloading them [here](#). (pages 1984 to 2049). Or contact Terry Dobbin at the Chamber of Mines at generalmanagernu@miningnorth.com.

The deadline is June 23rd.



Agnico Eagle is now in its sixth year of supporting Trades Awareness, Skills and Knowledge (TASK) week at Jonah Amitnaaq Secondary School (JASS) in Baker Lake, Nunavut.

Exploration & development news briefs

Dunnedin Ventures Inc. announced that it has [closed a non-brokered private placement](#) of non flow-through units and flow-through units for gross proceeds of \$1,482,050.

The company has issued 11,458,999 NFT Units at a price of \$0.075 per share and 5,534,448 FT Units at a price of \$0.1125 per share through the Offering. Each Unit consists of one common share and one-half-of-one common share purchase warrant entitling the holder to acquire an additional common share at a price of \$0.15 for a period of twenty-four months. The common share purchase warrants issued as part of the Units are subject to accelerated expiry in the event the common shares of the company trade on the TSX Venture Exchange at a closing price of \$0.25 or more for twenty consecutive trading days.

In connection with the closing of the placement the company paid finders' fees of \$34,496 and issued 451,240 common share purchase warrants exercisable to acquire common shares of the company (each, a "Finders Warrant") to eligible parties who introduced subscribers to the placement. All securities issued in connection with the private placement are subject to a four-month-and-one-day statutory hold period from the date of issue, expiring on September 2, 2019.

North Arrow Minerals Inc. reports it has been notified by joint venture partner and operator Dominion Diamond Mines that a [spring geophysics program is complete](#) and planning is underway for renewed exploration drilling at the LDG Joint Venture Diamond Project, Northwest Territories.

Ground geophysical coverage consisted of 13 total grids, including magnetic (11 grids; 465 line km), gravity (9 grids; 2,100 stations) and OhmMapper resistivity (5 grids; 90 line km) surveys. All the surveyed target areas are associated with anomalous kimberlite indicator mineral results from till samples collected during reverse circulation overburden drilling programs completed in 2018 and earlier. A full evaluation of the geophysical survey results and drill target selection is underway; however, it is expected that drilling will include testing of a target from Grid 4 defined by an OhmMapper resistivity anomaly coincident with gravity and magnetic lows located adjacent to a diabase dyke. Grid 4 Kimberlite Target from LDG Ground Geophysics: OhmMapper resistivity anomaly (darkest blue) coincident with gravity low (other blue shades) and magnetic lows (contours) located adjacent to a diabase dyke.

Drilling is expected to commence in July as part of a \$2.8M 2019 exploration program designed to focus on kimberlite discovery in this prospective 147,200 hectare joint venture property located adjacent to the south of the Diavik Diamond Mine. The 2019 exploration program is being fully funded by Dominion after which it is expected North

Arrow will retain an approximate 21% interest in the project.

Osisko Metals Incorporated, in its [May 22 release](#), announced Assay results from 145 drill holes completed in the L-36 and L-35 areas within the East Mill Zone in the Pine Point Mining Camp. Drill hole EM-18-PP-331 intersected 10.23% zinc and 9.19% lead over 13.11 metres and hole EM-18-PP-209 intersected 9.60% zinc and 1.53% lead over 13.50 metres. Other highlighted intersections are noted in Table 1 below. All intersections are within flat-lying tabular-style deposits, and are located between 9 to 51

Osisko Metals Incorporated announced excellent results from [pre-concentrating test work](#) on material sorters, including X-Ray transmission material sorting and dense media separation, on representative composite samples from the Pine Point project in the Northwest Territories, Canada. Conventional flotation test work is also ongoing on the material sorter pre-concentrates to validate and compare with recoveries from the historical Cominco Ltd. operations.

In its [May 16 release](#), additional assay results from 53 drill holes completed in the L-27, L-30 and N-32EXT areas within the East Mill Zone in the Pine Point Mining Camp. Highlights include drill hole EM-18-PP-403 that intersected 14.66% zinc and 3.84% lead over 10.00 metres and hole EM-18-PP-291 that intersected 8.59% zinc and 2.38% lead over 3.25 metres.

In its [May 9 release](#), additional assay results from 161 drill holes completed within the Central Zone (M-67, L-65, M-6263, O-53, and M48 areas) in the Pine Point Mining Camp ("PPMC"). Highlights include drill hole O53-18-PP-007 that intersected 20.08% zinc and 8.73% lead over 12.54 metres, hole O53-18-PP-020 that intersected 12.98% zinc and 2.71% lead over 27.00 metres, and hole M67-18-PP-030 that intersected 7.75% zinc and 1.79% lead over 21.68 metres.

Seabridge Gold announced that its [2018 Annual Report](#) is now available on its website at www.seabridgegold.net/sharefinrep.php. In every annual report, the Company reviews the success of its programs for the year just ended measured against previously announced goals and sets out its plans and objectives for the current year. The theme of this year's Annual Report is Finding Gold. The simple truth is that the industry is not finding gold at the rate it needs to.

Sixty North Gold Mining Ltd. Announced [Gavin Kirk has been appointed as president, CEO and a director](#) of the company. John Campbell, Chairman of the Board of Directors, reports, "Gavin Kirk's appointment is an exciting development for the company. His extensive background and connections in the investment community will help us accelerate our fund-raising and operational programs. We

plan to arrange funds for drilling of the targets on the volcanogenic massive sulphide ("VMS") zone discovered in 2018 spruce bark and rock sampling, and further confirmed through the 2019 airborne geophysics program. His energy will be a great asset as we move forward on the VMS exploration, underground bulk sampling of the former-producing A-Zone, and early-stage exploration of the potential gold shear zone targets." Mr. Kirk has worked in the investment community since 1985, beginning with Lévesque Beaubien Geoffrion (now National Bank Financial), followed by Union Securities Ltd. and Raymond James Ltd. During his 25 years in the capital markets, he gained extensive experience in sales and trading, as well as early-stage company financing, marketing, strategic planning and corporate restructuring.

Stornoway Diamond Corporation reported financial and operating results for the quarter ended March 31, 2019. For the three months ended March 31, 2019, the Corporation reported a net loss of \$48.4 million (\$ 0.05 per share on a basic and fully diluted basis). Adjusted net loss¹ for the first quarter was \$51.0 million (\$0.05 per share basic and fully diluted). For the first quarter, the Corporation reported adjusted EBITDA¹ of \$13.4 million, or 25.2% of revenues, which includes an \$8.9 million write-down of cash costs to bring inventory to its net realizable value. For the first quarter of 2018, adjusted EBITDA¹ was \$24.7 million, or 44.2% of revenues. During the quarter, two tender sales totalling 429,506 carats were completed for gross proceeds² of \$47.3 million at an average price of

US\$83 per carat (\$110 per carat³). Revenue recognized during the quarter was \$53.3 million. In terms of total carats sold, gross proceeds and pricing, this represents increases of 38%, 47% and 8% over the fourth quarter of 2018, respectively. First quarter diamond sales represent diamonds recovered during the fourth quarter of 2018.

First quarter diamond production was 444,562 carats produced from the processing of 582,613 tonnes of ore at an average grade of 76 carats per hundred tonnes ("cpht"). Carats recoveries decreased by 8% compared to the fourth quarter of 2018, principally due to mechanical issues at the front end of the process plant related to very cold weather in January and February. In March, the process plant surpassed its budgeted daily rate with an average of 7,209 tonnes processed per day. In the month of April, an average of 7,734 tonnes per day were processed. Q1 2019 cash operating costs per tonne processed¹ were \$57.14 per tonne (\$74.88 per carat²) and capital expenditures¹ were \$17.0 million.

TerraX Minerals Inc. provided a [corporate update](#) and further information about its proposed 2019 exploration plans on its Yellowknife City Gold (YCG) Project.

In early 2019, TerraX identified 4 top priority targets. Comprehensive review of the targets including the use of historical data and 2019 assays of historical core, has led to a focus on deposit expansion at Crestaurum and Sam Otto, as well as the advancement of targeting on the North Giant Extension within the Barney Deformation Corridor.

Nunavut drill hole data expanded and improved

Public geoscience data from several mineral exploration locations across Nunavut, called the Nunavut Assessment Drill Database (NADD), has been expanded and improved.

Visit the Chamber of Mines website [Resources page](#), scroll and click Geoscience to open the link to automatically download the zip file which contains the expanded and improved digital

Nunavut Assessment Drill Database. This is the first drill hole database of its kind for Nunavut - making public geoscience more widely available.

This project was fully funded by the Geological Survey of Canada through a Natural Resources Canada GEM (Geo-mapping for Energy and Minerals) grant. The project was also assisted by contributions of digital data from Peregrine Diamonds Ltd. The NWT & Nunavut Chamber of Mines greatly appreciates this support.

NADD data compiled includes drill hole identification name/number, type (core or chip), size, assessment report, year drilled/reported and by whom, map coordinates, geology log, geotechnical log, samples and analyses, geophysical tests, and commodities sought.



Version 2 of the Nunavut Assessment Drill Database (NADD) completed.

Welcome new members!

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

Blue Star Gold Corp, based in Vancouver, is a mineral exploration and development company. Blue Star Gold's projects include the Ulu property in Nunavut's Kitikmeot region. Contact is Cindy Chu, Controller, info@bluestargold.com; 778-379-1433; website – www.bluestargold.ca.

Canadian Raven Corporation, based in Iqaluit, is an equipment provider which sells, leases and provides services for its 'fat trucks' and provides customized technology solutions for mapping and data. Contact is Joseph Toal, j.toal@nrli.com; 867-222-6994; website – www.nrli.ca.

Glander International Bunkering, in business since 1961, is a global supplier of fuel. The company, based in Florida, specializes in supply of sensitive fuel products and lubricants, arctic grade diesel, to remote locations. They deliver fuel and lubricants based on needed specifications for storage tanks and mining projects year round. Glander can offer fixed fuel prices for the duration of your season. Contact is Justin Sander jus@gibunkering.com; 561-625-5500; website – www.gibunkering.com.

NWT and Nunavut Construction Association, based in Yellowknife, is a voluntary, member association established in 1976 to serve, promote, and represent the construction industry. The NNCA's mandate includes building capacity in the industry, promoting industry standards and practices, providing information, and being the voice of the construction industry. Contact is Matt Belliveau; director@nnca.ca; 867-873-3949; website – www.nnca.ca.

Member news releases this past month

- 3 June 2019 [Gahcho Kué wins regional mine rescue competition for third consecutive year](#)
- 31 May 2019 [Gahcho Kué mine increases northern workforce in 2018](#)
- 30 May 2019 [Agnico Eagle achieves commercial production at the Meliadine Mine](#)
- 28 May 2019 [Mountain Province files updated NI 43-101 Faraday 2 resource report on SEDAR](#)
- 28 May 2019 [Nighthawk drills record high-grade gold intersection at Colomac](#)
- 22 May 2019 [Osisko Metals intersects 19.42% zinc+lead over 13.11 metres at Pine Point](#)
- 21 May 2019 [North Arrow reports geophysics complete LDG joint venture diamond project](#)
- 17 May 2019 [Nighthawk increases bought deal private placement financing to \\$11 million](#)
- 16 May 2019 [Osisko Metals intersects 18.50% zinc+lead over 10.00 metres at Pine Point](#)
- 15 May 2019 [Sixty North Gold appoints Gavin Kirk as president, CEO and a director](#)
- 15 May 2019 [Nighthawk announces \\$9.0 million bought deal private placement](#)
- 14 May 2019 [Sabina announces interim financial results for quarter ended March 31, 2019](#)
- 13 May 2019 [North Arrow initiates study of bulk sample diamond recovery plant for Naujaat](#)
- 13 May 2019 [Seabridge Gold files first quarter interim financial statements and MD&A](#)
- 13 May 2019 [Stornoway reports first quarter 2019 financial results](#)
- 9 May 2019 [TMAC Resources strengthens board of directors with appointment of Jacques Perron](#)
- 9 May 2019 [Osisko Metals intersects 28.8% zinc+lead over 12.5 metres at Pine Point](#)
- 8 May 2019 [TerraX Minerals Inc. corporate update](#)
- 8 May 2019 [Osisko Metals announces successful material sorting results at Pine Point](#)
- 8 May 2019 [Seabridge Gold publishes 2018 annual report](#)
- 6 May 2019 [TerraX Minerals Inc. corporate update](#)

Calendar of Events

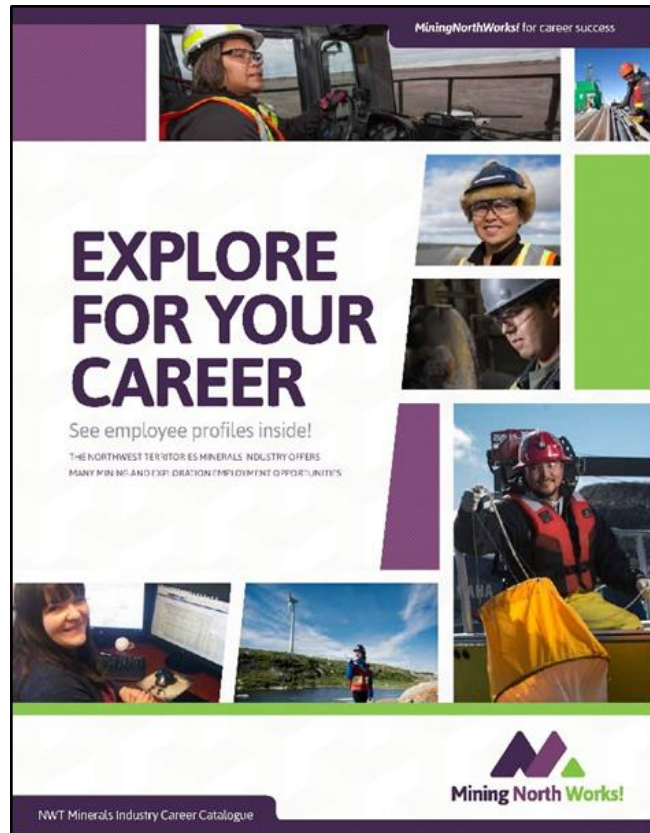
47th Annual Yellowknife Geoscience Forum, the North's largest combined trade show and conference, November 19-21, 2019, in Yellowknife. Stay tuned for more details!

Mining North Works! – NWT career catalogue profiles mine workers

Another Mining North Works! resource has been produced highlighting the many career opportunities in the North's mineral resources sector.

Created under the Chamber's Mining North Works! public awareness program, the [NWT Explore for your Career publication](#) profiles 26 individuals working for the territory's mines and in exploration. The catalogue, highlighting career options, also includes introductory pages about the NWT's minerals industry such as the details on benefits, and operating mines and potential new projects.

Rounding out the publication, funded by the NWT Government Support for Entrepreneurs and Economic Development fund, are pages with resources' links. Complementing the NWT catalogue is the [Nunavut career catalogue](#), which includes English, Inuktitut, and Inuinnaqtun sections.



Please pass them on to associates, staff, neighbours, and friends! And to learn more about all things mining, check out www.miningnorthworks.com. Did you know there are over 100 different job titles at a mine? Click [here to see jobs list and links to over 50 profiles!](#)

Chamber of Mines' Social Media

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



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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, 22 March 2019 Canadian Championship Dog Derby and Dominion Diamond announce race schedule
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 3 June 2019 Gahcho Kué wins regional mine rescue competition for third consecutive year Media release 31 May 2019 Gahcho Kué mine increases northern workforce in 2018
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 1 May 2019 NorZinc announces 2019 AGM and proposed board of directors

			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 3 May 2019 Fortune Minerals confirms gold recovery from NICO concentrates Media release 23 April 2019 Fortune Minerals completes option agreement to purchase alternative site for proposed metal processing refinery
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 28 May 2019 Mountain Province files updated NI 43-101 Faraday 2 resource report on SEDAR
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 28 May 2019 Nighthawk drills record high-grade gold intersection at Colomac: 56.00 metres of 13.49 gpt Au (uncut), including 16.50 metres of 34.18 gpt Au (uncut) Media release 17 May 2019 Nighthawk increases bought deal private placement financing to \$11 million Media release 15 May 2019 Nighthawk announces \$9.0 million bought deal private placement

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 22 May 2019 Osisko Metals intersects 19.42% zinc+lead over 13.11 metres at Pine Point Media release 16 May 2019 Osisko Metals intersects 18.50% zinc+lead over 10.00 metres at Pine Point Media release 9 May 2019 Osisko Metals intersects 28.8% zinc+lead over 12.5 metres at Pine Point Media release 8 May 2019 Osisko Metals announces successful material sorting results 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 13 May 2019 Seabridge Gold files first quarter interim financial statements and MD&A Media release 8 May 2019 Seabridge Gold publishes 2018 annual report
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.

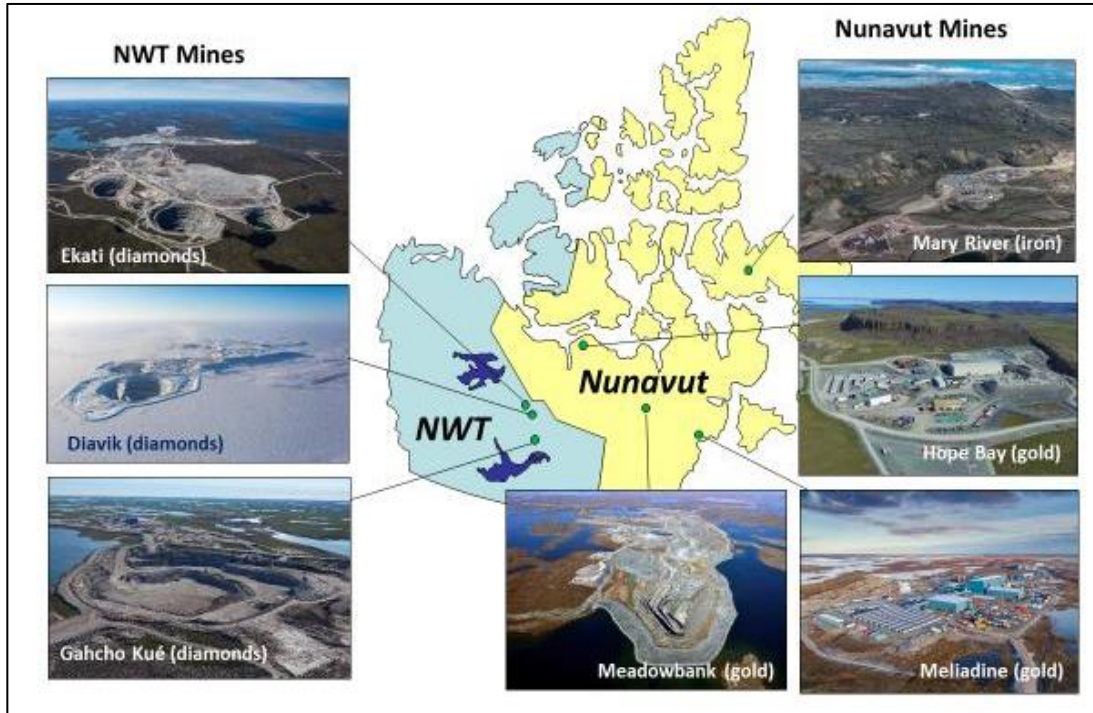
Project	Owner(s)	Commodity	Description	Status
Meadowbank Gold Mine	Agnico Eagle Mine Ltd.	Gold	In operation since 2010. Open pit mine located in the Kivalliq Region, 300 km west of Hudson Bay and 70 km N of Baker Lake. Mine jobs: 775 AEM announced they will develop Amaruq satellite deposit, 50km from 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, 25 April 2019 Agnico Eagle reports first quarter 2019 results, solid production and cost performance, Nunavut development projects advancing as planned with Meliadine expected to achieve commercial production in May, exploration drilling continues to advance
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 17 April 2019 Baffinland employees ratify a partnership agreement with the International Union of Operating Engineers – Local 793 Media release 16 April 2019 Baffinland supports successful technical meetings for phase 2 permitting process
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 9 May 2019 TMAC Resources strengthens board of directors with appointment of Jacques Perron
Meliadine Gold Mine (Mine began commercial production May 14, 2019)	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 reserves* (14.5 million tonnes at .32 g/t) and a large mineral resource.	Media release 30 May 2019 Agnico Eagle achieves commercial production at the Meliadine Mine
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	Media release 14 May 2019 Sabina Gold & Silver announces interim financial results for quarter ended March 31, 2019

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			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	
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.
Chidiak	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: <ul style="list-style-type: none"> •After-tax payback of 2.2 years •Life of mine 13 years •Resource at CH-6 and CH-7 exceeds 22 million carats •Pre-production capital requirement ~\$455m, incl \$95m for access road from Iqaluit, \$55m in contingency •Pre-tax NPV(7.5) of \$1069 million and a pre-tax IRR of 38.6% •After-tax NPV(7.5) of \$679 million and an after-tax IRR of 31.1% •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 13 May 2019 North Arrow initiates study of bulk sample diamond recovery plant Naujaat 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 	Media release 27 March 2019 Auryn increases and closes non-brokered private placement for C\$5.25 million Media release 26 March 2019 Auryn announces appointment of new CFO

Project maps

The North's mining industry 7 operating mines



We are surrounded by even more potential

