

# Northern Mining News

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**From the Executive Director ...** Excellent to see TMAC celebrated its new Doris Gold Mine in Nunavut's Kitikmeot Region, meaning a new mine in each territory! In the Kivalliq, Agnico Eagle and the Kivalliq Inuit Association signed the Whale Tail Project benefit agreement, formalizing the commitment to local benefits, and construction of Meliadine mine continues.

We completed another successful Mining Week with great work by all. Well done to the volunteers and organizers. An extra thanks to Cheryl Wourms our office manager who brings it all together. Thanks Cheryl! The week wrapped up with the miners' picnic and the mine rescue competition. So impressive to see our people demonstrating the importance of safety.

Welcome Doug Ashbury, our new public awareness manager, to the chamber team!

Happy reading! ... Editor

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



## **Official Opening of Nunavut's Doris Gold Mine**

In June, TMAC Resources Inc., operator of the Hope Bay property in the Kitikmeot, held its Doris Gold Mine opening celebrations. In keeping with the company's corporate culture, it was a low key, friendly affair. The celebration included very kind words from Kitikmeot Inuit Association and Nunavut Tunngavik Incorporated, and a wonderful passage from Senator Dennis Patterson was read.

It was very moving to have Doris Kallak (pictured), the daughter of Noel Avadluk, and the first (Inuk) prospector at Hope Bay, present for the mine opening.

In the 1960s, when Doris was five years old, Noel named the lake for his daughter. And the mine was subsequently named for the lake.

Doris remembered collecting shiny rocks for her father and a company geologist, and all the hard work travelling back and forth by dogs across the Hope Bay greenstone belt.

Commercial production was achieved at Doris Mine on May 15, 2017. The mine plan calls for the Doris deposit to be mined first followed by Madrid and Boston properties are expected to commence production in 2020 and 2022, respectively.



*Doris Kallak, namesake of the Doris Mine, with Alex Buchan of TMAC.*

TMAC has a 100% interest in the 1,101 square kilometre (approximately 80 km by 20 km) Hope Bay property. Hope Bay is a high-grade gold deposit with proven and probable reserves totaling approximately 3.5 million ounces of gold. Total measured and indicated resources are 4.5 million ounces of gold.

## **KIA and Agnico Eagle Sign IIBA for the Whale Tail Gold Project**

### ***Agnico to invest US\$1.2 billion over the next 3 years***

The Kivalliq Inuit Association (KIA) and Agnico Eagle Mines Limited announced the formal signing of an Inuit Impact and Benefit Agreement (IIBA) for the Whale Tail Project located approximately 50 km northwest of the Meadowbank Mine. An official signing ceremony was held today in Baker Lake with the executive members of KIA and representatives from Agnico Eagle's senior management team, along with the community of Baker Lake.

"KIA has strived to balance the need to protect the environment with the promotion of economic development. KIA has worked hard to ensure that the IIBA works for the benefit of Inuit in the Kivalliq region and is another step towards a better future for Inuit of Nunavut," said KIA President David Ningeongan. The Whale Tail IIBA addresses protection of Inuit values,

culture and language and provides for enhanced access by Inuit to employment, training and business opportunities. The IIBA contains implementation and monitoring measures that will ensure these goals are achieved.

“Our decision to invest in the Whale Tail and Meliadine projects solidifies Agnico Eagle’s commitment to Nunavut as it will be a main contributor to this next phase of growth for the company,” said Agnico Eagle President Ammar Al-Joundi. “We are proud to partner with KIA in our continued growth in Nunavut and in developing strong, sustainable communities in the Kivalliq Region. Only through combined partnership efforts will we achieve success and including our vision of seeing mines in Nunavut being operated and managed by Inuit.”

### **IIBA Highlights**

- \$6.5 million payment to KIA including \$3 million towards a community initiative fund (June 15, 2017).
- Resource royalties and fees paid to KIA and Nunavut Tunngavik Inc. from the Whale Tail, Meadowbank and Meliadine projects. The Whale Tail project provides KIA with a 1.4% net smelter return on production.
- \$3.6 million invested in annual training programs with an additional \$1 million investment in the event that 50% Inuit employment is not reached.
- Preference points for Nunavut Tunngavik Incorporated-registered companies to permit Inuit-owned businesses to compete more effectively with southern business.

### **Whale Tail Project**

The Whale Tail gold deposit is part of the Amaruq discovery located approximately 50 km north of the Meadowbank Mine and will be a main contributor to this next phase of growth for Agnico Eagle. The company has approved the project for development pending the receipt of the required permits, which are currently expected to be received by the second quarter of 2018.

As a satellite deposit to the Meadowbank Mine, Whale Tail will use the existing mine infrastructure – including mining equipment, mill, tailings, camp and airstrip – to begin open pit mining on the Whale Tail deposit, which is forecast for third quarter 2019.

### **Agnico Eagle’s Future Growth in Nunavut**

- Agnico Eagle expected to invest \$1.2 billion (\$US) over the next 3 years to develop the Whale Tail and Meliadine projects.
- 2 operating gold mines by 2019.
- 2,000 employees of which approximately 700 will be Inuit and 500 contractors.
- \$66 million per year in payroll reaching Kivalliq communities.
- Approximately \$500 million per year in contracts for goods and services after 2019.

[View release](#)



## **Mining Week Culminates with Mine Rescue Competition**

In June, the NWT & Nunavut Chamber of Mines celebrated NWT Mining Week. Events, including public geology walking tours and the annual Miners' Picnic at the Multiplex Arena, were celebrated in conjunction with the mine rescue competition on June 9 and 10.

The chamber estimates that since mining began in the NWT over 80 years ago, more than \$60 billion in minerals have been mined.

"Our mines continue to generate significant benefits today, and these benefits are reaching far across the North and to Canada," said Gary Vivian, chamber of mines president. Over the decades, industry has contributed to infrastructure investments in the North, including the railway, three hydro-power generating facilities and highways. Vivian added that according to



the chamber's latest data, nearly 1,900 northern residents worked in the industry in 2015, including nearly 900 Indigenous workers.

### **Mine rescue competition**

This year, eight teams from seven mines competed in the North's annual mine rescue competition. Held in Yellowknife, and organized by the Workers' Safety and Compensation Commission of the Northwest Territories and Nunavut, this marked the competition's 60<sup>th</sup> year.

The competition took place June 9 and June 10 with day two coinciding with the NWT & Nunavut Chamber of Mines' *Miner's Picnic*. Volunteers from the North's three diamond mines, Ekati, Diavik, and Gahcho Kué, St. Patrick High School, and Yellowknife Speed Skating Club, and others hosted the event's annual barbecue.

Mine rescue competition participants included:

#### ***Surface Teams***

- Ekati Diamond Mine – Dominion Diamond Corporation
- Gahcho Kué Diamond Mine – De Beers Canada Inc.
- Meadowbank Gold Mine – Agnico Eagle Mines Ltd.
- Victor Diamond Mine (Ontario) – De Beers Canada Inc.

#### ***Underground Teams***

- Diavik Diamond Mine – Rio Tinto Ltd.
- Ekati Diamond Mine – Dominion Diamond Corporation
- Hope Bay Gold Mine – TMAC Resources Inc.
- Meliadine Gold Project – Agnico Eagle Mines Ltd.





### **Mine Rescue Competition Results**

Best Bench Tech	Gordon Zdyb (Ekati Diamond Mine)
Best Surface First Aid	Ekati Diamond Mine – Surface Team
Best Underground First Aid	Meliadine Gold Mine
Best Surface Practical Bench	Gahcho Kué Diamond Mine
Best Fire Fighting	Gahcho Kué Diamond Mine
Best Surface Rope Rescue	Gahcho Kué Diamond Mine
Best Underground Rope Rescue	Diavik Diamond Mine
Best Surface Written Test	Gahcho Kué Diamond Mine
Best Underground Written Test	Hope Bay Gold Mine
Best Surface Smoke	Meadowbank Gold Mine
Best Underground Smoke	Diavik Diamond Mine
Best Underground Bench/Field Test	Diavik Diamond Mine
Best Surface Obstacle	Victor Diamond Mine (Ontario)
Best Underground Obstacle	Ekati Diamond Mine – Underground Team
<b>Best Overall Surface</b>	<b>Gahcho Kué Diamond Mine</b>
<b>Best Overall Underground</b>	<b>Diavik Diamond Mine</b>

### ***De Beers Dominates with Six Awards at Mine Rescue Competition***

Despite being just three months into commercial production, the Gahcho Kué Mine Rescue Team was the top performing team at the annual mine rescue competition winning four categories plus the top award of the best overall surface mine rescue team. The Gahcho Kué team took home five trophies, the most of any mining operation in the competition.

The seven-person competition team, featuring both males and females, was representing more than 40 other colleagues who also volunteer as emergency responders at the remote mine in the Northwest Territories.

For the first time ever, De Beers Victor Mine participated in the competition capturing surface obstacle category. The Victor Mine, located in northern Ontario and recently honoured with its second straight John T. Ryan National Safety Award, was invited to participate in the competition by the organizers because there is no surface mine rescue competition in Ontario.

De Beers Canada Chief Executive Kim Truter said both teams have a lot to be proud of. “To win six of the eight categories we were eligible for is an outstanding achievement and really demonstrates that our commitment to safety at De Beers goes beyond just words,” he said. “Our Victor Mine’s safety performance has been the best in the country for the last two years and this reinforces their reputation as a world-class operation. For Gahcho Kué to win so many categories so early into their mine life is a tremendous indication that the team is definitely building their own best-in-class safety culture. Our teams also had the most female representation in the competition – which reflects well on our focus on gender diversity and inclusion as a group.”

Gahcho Kué Mine General Manager Allan Rodel said the men and women representing the young mine are setting the bar very high when it comes to safety performance. “The Gahcho Kué team has worked extremely hard to prepare for this competition, with many long hours on

their own time to enhance their training and knowledge,” said Rodel. “There are so many achievements to celebrate as a result of this competition, but perhaps most satisfying for me is how quickly our team has pulled together in less than a year to work as one cohesive professional unit, giving our entire workforce confidence that our mine can provide a safe and secure environment for all those who spend much of their time away from home.”

Last year when Gahcho Kué was still in the final stages of construction and commissioning, the mine rescue team won two categories at the competition.



*The Gahcho Kué mine rescue team showcases five trophies won at the Northwest Territories/Nunavut Mine Rescue Competition. The team was named overall surface champion after winning four of seven events.*

Victor Mine General Manager James Kirby praised his team for winning an event in their first-ever competition, especially with just three weeks to prepare. “Our team from Victor Mine was rewarded for the great hard work they put into preparing for this competition and the overall event was awesome,” said Kirby. “We wish to thank the organizers for their gracious invitation that allowed us to participate with these other professional teams and we’ll look to build on this for future competitions.”

With this year’s title as overall surface mine winners, the Gahcho Kué team now qualifies for the National Western Region Mine Rescue Competition in Fernie, B.C. on September 8-9, 2017.

See De Beers release and photos [here](#).

### **Diavik Takes Underground Honours**

Diavik’s mine rescue team won three events at the annual mine rescue competition and emerged overall underground competition winners. In the individual events, the team took

home trophies in the rope rescue, smoke, and field test. “What a fantastic achievement and overall testament to the commitment of our Emergency Response Team members, and their very skilled abilities,” said Jessica Kozian, Diavik manager, health, safety and environment.

“The Diavik site is quite fortunate to have such skilled individuals who are there to respond if needed. A big congratulations go out to them for all they do, and all they've accomplished.”



*The Diavik mine rescue team won three events at the competition and was named overall underground champion.*

## **Dominion Diamond Consolidates Ekati Diamond Mine Ownership Interest**

Dominion Diamond Corporation is pleased to announce an agreement with Archon Minerals Limited to convert Archon’s participating joint venture interest in the buffer zone joint venture at the Ekati Diamond Mine in Canada’s Northwest Territories to a royalty equal to 2.3% of all future gross revenue from diamonds produced from the buffer zone.

As a result of this transaction, Dominion’s ownership interest in the buffer zone has increased to 100%. The company maintains an ownership interest of 88.9% in the core zone joint venture at the Ekati Diamond Mine.

“We are delighted to have reached this mutually beneficial agreement with Archon. For both parties, the transaction provides ownership and funding certainty for the large scale Jay project, which is currently in the final stages of permitting. It also provides significantly more exposure



for Dominion's shareholders to further discoveries on this highly prospective land package," Jim Gowans, chairman of the board of directors of Dominion, said.

On July 6, 2016, Dominion issued the results of a feasibility study on the Jay project, indicating positive project economics with a post-tax net present value of \$398 million and an internal rate of return of 15.6%. Commercial mining activities at the Lynx kimberlite pipe in the buffer zone commenced on April 1, 2017; the Lynx pipe is forecast to represent approximately 5% of tonnes processed and carats recovered at the Ekati Diamond Mine for the fiscal year ending January 31, 2018.

The buffer zone contains 106 mining leases covering 89,184 hectares, and is contiguous with the core zone joint venture at the Ekati Diamond Mine. Of the 150 kimberlite pipes discovered to date at the Ekati Diamond Mine, 38 are in the buffer zone. The company plans to spend approximately CAD\$11 million on exploration in the Lac de Gras region for the fiscal year ending January 31, 2018. [View release](#)

## **Dominion Diamond Reports Fiscal 2018 First Quarter Results**

### **Strong sales and Adjusted EBITDA driven by high-value Ekati production; robust project pipeline advancing**

On June 12, Dominion Diamond Corporation reported its first quarter operational and financial results for the three months ending April 30, 2017. Highlights include:

- Higher-value ore blend at Ekati Diamond Mine continues to have positive impact on financial results
  - Adjusted EBITDA(1) was \$97.0 million in Q1 fiscal 2018, an increase of 79% from \$54.3 million in Q1 fiscal 2017, reflecting higher-value production at the Ekati mine.
- Significant year-over-year production growth
  - Consolidated carats recovered increased 17% to 2.15 million carats in Q1 fiscal 2018 from 1.83 million carats in Q1 fiscal 2017 due primarily to production from the high-grade Misery Main pipe at the Ekati mine, with stable production at the Diavik Diamond Mine.
- Robust project pipeline advancing
  - Misery Deep approved for construction by the board of directors based on a positive pre-feasibility study completed in May; Jay water licence recommended for ministerial approval; Fox Deep preliminary economic assessment underway.
- Generating growth through exploration
  - High-priority pipes identified near existing infrastructure at Ekati mine – inaugural inferred mineral resource reported at Leslie pipe, and drilling planned at Kodiak pipe this summer.
- Strong balance sheet maintained
  - Total unrestricted cash resources of \$131.2 million, debt of \$10.6 million and \$210 million available under the revolving credit facility at April 30, 2017.
- Financial and operating guidance unchanged

- Fiscal 2018 sales expected to be between \$875 and \$975 million and adjusted EBITDA between \$475 and \$560 million.
- Value creation remains the focus
  - Dual-track approach – execution on long-term strategy, and strategic review process.

“The significant year-over-year improvement in sales, gross margin and Adjusted EBITDA is the result of our transition to high-value production at Ekati, and continued solid performance at Diavik,” said Jim Gowans, chairman of the board. “We are building upon the strong momentum that started at the beginning of this year, while advancing our project pipeline to support longer-term value generation. With Misery Deep now approved for construction, we will benefit from an enhanced mid-term production and cash flow profile, while continuing to optimize our operations and maximize the value of the diamonds we sell.” [View release](#).

### **Construction of Meliadine Mine on Schedule**

Agnico Eagle Mines Ltd.’s Meliadine underground/open-pit gold project, currently under construction, is on track for planned production in third quarter 2019.

Meliadine, is located near the western shore of Hudson Bay in the Kivalliq region of Nunavut, about 25 km north of Rankin Inlet and 290 km southeast of Agnico Eagle’s Meadowbank Mine. Meliadine construction was approved In February this year.

Construction activities are progressing well with the concrete batch plant being commissioned and pile installation restarted in March. Full camp facilities were expected to be completed in May ahead of the barge season. Meliadine will be satellite site to Agnico Eagle’s Meadowbank Mine.

#### **Overview**

The high-grade Meliadine gold project has 3.4 million ounces of gold in proven and probable reserves (14.5 million tonnes at 7.32 g/t) and a large mineral resource as of December 31, 2016. The reserves are in the Tiriganiaq and Wesmeg deposits, and the resources are in Tiriganiaq and



*Construction is progressing on Agnico Eagle's Meliadine mine.*

Wesmeg plus another five nearby deposits within a large land package covering an 80-kilometre-long greenstone belt.

This year, Agnico Eagle expects to spend \$0.8 million on 5,000 metres of exploration drilling, and \$3.9 million on 12,500 metres of conversion drilling and 14,000 metres of underground delineation drilling at the project. Of the estimated \$900 million initial capital costs, the capital budget for 2017 is approximately \$360 million including 5,600 metres of underground and development (including the start of a second ramp and portal), completion of the camp complex and the fuel farm in Rankin Inlet and onsite, installation of underground ventilation, and closing in the process plant, power plant and multi-service building.

At the end of the first quarter, approximately 67% of the engineering work was completed. The company expects to complete approximately 80% of the engineering work by the end of August 2017.

### **Kennady Diamonds Announces Positive Faraday Kimberlite Diamond Results**

- ***Faraday 3 - Sample grade 1.67 carats per tonne; 7.78 carat gem diamond recovered – largest to date at Kennady North***
- ***Faraday 1 - Sample grade 2.91 carats per tonne; largest diamonds recovered: 3.21 carats, 2.35 carats, 2.31 carats***

Kennady Diamonds Inc. announced June 19 diamond recovery results for the Faraday 3 and Faraday 1 kimberlites on its Kennady North Project. The samples were collected during the winter 2017 program that was designed to further delineate both kimberlites as well as to recover sufficient carats from Faraday 3 for valuation (see news release April 11, 2017). The program has recovered the largest high-quality diamonds to date on the project, including a 7.78ct white gem quality stone as well as numerous diamonds exceeding one carat.

#### **Faraday 3**

A total of 460.5 carats of diamonds (+0.85mm) were recovered from 276.4 tonnes for a sample grade of 1.67 carats per tonne. The largest stone recovered is a 7.78 carat white/colorless octahedral gem with no inclusions (pictured). A total of 26 diamonds of one carat or greater were recovered, of which nine are gem quality and seven are near gem quality. Since drilling was designed to sample the thickest parts of the pipe in order to maximize carats recovered for the purpose of resource definition, the sample grade reported here may not be representative of the grade of the entire kimberlite pipe.





The five largest diamonds recovered from the Faraday 3 bulk sample are described by the SRC as:

- 7.78 carat white/colorless octahedron with no inclusions
- 4.02 carat white/colorless octahedron with minor inclusions
- 3.41 carat off-white octahedron with minor inclusions
- 3.38 carat off-white octahedron with noticeable inclusions
- 3.08 carat off-white octahedron with no inclusions

“While the grade achieved for the Faraday 3 kimberlite is in line with expectations, the recovery of a high quality 7.78 carat gem from the sample is extremely exciting. This stone represents the largest diamond recovered from our bulk sampling activities on the project to date,” Dr. Rory Moore, president and CEO of Kennady Diamonds said. “As with Faraday 2, the size distribution and quality characteristics of the Faraday 3 diamonds appear better than those recovered from Kelvin to date, with a notable trend of increased quality with diamond size and a higher incidence of well-formed crystals in the larger size fractions,” he added. Images of select diamonds from the 2017 Faraday 3 bulk sample are posted on the company’s website at [www.kennadydiamonds.com](http://www.kennadydiamonds.com) [here](#).

### **Faraday 1**

A total of 76.8 carats of diamonds (+0.85mm) were recovered from 26.37 tonnes for a sample grade of 2.91 carats per tonne. The largest stone recovered is a 3.21 carat white/colorless tetrahexahedron. A total of 8 diamonds of one carat or greater were recovered. Table 2 below summarizes the diamond recovery results from the 2017 Faraday 1 bulk sample.

The five largest diamonds recovered from the Faraday 1 bulk sample are described by the SRC as:

- 3.21 carat white/colorless tetrahexahedron with noticeable inclusions
- 2.35 carat off white translucent octahedron with no inclusions;
- 2.31 carat off white transparent octahedron with no inclusions;
- 1.94 carat brown transparent octahedral twin with noticeable inclusions;
- 1.64 carat white/colorless tetrahexahedron with no inclusions.

“We are highly encouraged by these initial results for Faraday 1 that confirm the highgrade nature of the kimberlite. The recovery of eight diamonds larger than one carat in size from such a small sample provides strong evidence for a robust size distribution, which together with quality characteristics that are similar to the diamonds recovered from the other Faraday pipes, confirms its potential to add considerable value to the growing diamond resource on the Kennady North Project,” said Dr. Moore.

View release with detailed tables [here](#).

## **Plundered Airstrip Comes as a Shock**

**GUEST Columnist, Gary Vivian is President of the NWT & Nunavut Chamber of Mines**

**Commentary, News/North NWT, Monday, June 19, 2017**

In a territory that suffers from the largest infrastructure deficit in the country, the move by the federal government to plunder the Salmita airstrip comes as a shock.

Southern Canada and other developed jurisdictions have benefited from continuous development of infrastructure over their history, and it is the cumulative effects of this infrastructure that has served Canada's economic growth since the railway was built across Canada in the 1800s.

In contrast, the NWT and Nunavut suffer the largest infrastructure deficit in Canada, with a dearth of roads, ports, airports and power grids. It's this deficit that contributes to the higher cost of living and doing business here in the North.

That's why addressing high costs with infrastructure investment has risen to become a priority of all governments in Canada, and especially the North.

Thus it comes with great surprise to learn that the federal government – without any consultation – made the decision to dismantle a significant portion of an airstrip located in the mineral rich area around Courageous Lake, about 250 kilometres northeast of Yellowknife. The Salmita airstrip was first constructed to service a now-closed gold mine. It has continued to be an important staging point to support exploration and project development in the northeast NWT and western Nunavut.



*Shock to industry: Government contractors rip 1,500 feet from Salmita Hercules airstrip for fill.*

At 5,000 feet long, the Salmita airstrip matched the length so commonly built across the North to allow efficient and safe use by large transport aircraft like the Hercules or Boeing 737.

Salmita has become an essential link in an exploration supply chain into the NWT and Nunavut's hinterland, with companies able to transport freight to the airstrip by aircraft year round, or by truck over our seasonal ice road. From Salmita, smaller aircraft can ferry essential goods and supplies further afield into even more remote and rugged regions. It also provides a landing strip for emergencies.

It has been shocking to learn that Indian and Northern Affairs Canada is in process of removing significant portions of the airstrip, and are on a path to reduce its length to a mere 3,500 feet. This will prevent use by larger, more cost-efficient aircraft and, with access now relegated to smaller aircraft, will increase the landed cost of freight and thus exploration costs in this mineral rich area of the North.

The damage to the existing airstrip carries other consequences. The NWT government is working to advance an all-weather road through the Slave Geological Province.

The strategic location of the Salmita airstrip – within a stone's throw of that proposed road alignment – makes the strip a critical piece of infrastructure for the construction phases on that road to assist in bringing in supplies and equipment as needed, and adding to safety as well.

In addition, the removal of a prime piece of infrastructure reduces the value of mineral properties in the surrounding area, as their logistical costs will now be higher.

At a time when the North is trying to build its own economic future, infrastructure investment is critical. Having one directorate within government removing critical infrastructure when others within the same government are acknowledging the importance of new infrastructure investment is nonsensical.

This policy and practice of erasing the positive advances we have made needs to stop.

This type of action doesn't help encourage investment in the NWT and Nunavut.

### **De Beers Announces Good Demand in Recent Value of Diamond Sales**

De Beers Group announced the value of rough diamond sales (Global Sightholder Sales and Auction Sales) for the fifth sales cycle of 2017. Bruce Cleaver, CEO, De Beers Group, said: "Following positive feedback from the Las Vegas trade show, and in line with recent trends, we saw continued good demand for DeBeers rough diamonds in the fifth sales cycle of the year."

- Cycle 5 2017 (provisional)<sup>1</sup>     \$530m
- Cycle 4 2017 (actual)<sup>2</sup>         \$522m
- Cycle 5 2016 (actual)           \$564m

Notes:

<sup>1</sup> Cycle 5 2017 provisional sales value represents sales as at 19 June 2017.

<sup>2</sup> Cycle 4 2017 actual sales value is restated following the earlier publication of a provisional figure for the fourth sales cycle of 2016. Sales values are quoted on a consolidated accounting basis and are before capitalization of pre-commercial production revenues at Gahcho Kué. Auction Sales included in a given cycle are the sum of all sales between the end of the preceding cycle and the end of the noted cycle.)



## **Exploration & Development News Briefs** (see our web site for more information)

**Agnico Eagle's** hovercraft proposal was declined by NIRB. (story courtesy Tom DiNardo, CIM Magazine, June 28, 2017) Agnico Eagle is devoting a lot of its energy to the development of its Nunavut projects, but that work will have to get done without the support of hovercrafts, at least for now. The Nunavut Impact Review Board (NIRB) determined that the miner's pilot project to use crafts "should be modified or abandoned." The review board's decision, published in mid-April, cited concerns from various stakeholders, including the Kivalliq Inuit Association, on the potential impacts of the project on local wildlife. The NIRB recommended that Agnico conduct more research into the effects of the hovercrafts and consult with the local community to address their concerns. Dale Coffin, corporate director of communications and public affairs at Agnico, told CIM Magazine the company plans to "sit down and discuss [the project] with stakeholders to mitigate their concerns" before moving forward. There is no timeline for consultation but Coffin said it will happen in the near future. The pilot project proposed testing two three-tonne hovercrafts, one to transport personnel from Agnico's Meadowbank and Amaruq camps to nearby drill sites on its Amaruq property, and the other to transport equipment and fuel. The project would have also tested the hovercrafts for use in search and rescue missions. "We want to test the viability of the craft in that type of climate and terrain," said Coffin.

The hovercrafts would provide year-round access to land in all weather conditions and is a safer form of transportation, according to Coffin. It would also represent a cost savings for the gold producer. Transporting personnel in a helicopter, for example, costs \$1,200 per person per trip whereas it only costs about \$45 per person in a hovercraft.

Agnico is focusing on the growth of its Nunavut operations in the coming years, said Coffin, making up 80 per cent of its three-year overall growth plan to produce two million ounces of gold per year by 2020. Although the Meadowbank gold mine 110 kilometres north of Baker Lake is nearing the end of its life, scheduled for 2018, the Amaruq satellite operation is planned for start-up in 2019. The company is also developing its Meliadine project, about 290 kilometres southeast of Meadowbank, for start-up in 2019.

**Auryn Resources** announce the voting results for election of its board of directors at the annual general and special meeting of shareholders held on June 1, 2017 in Vancouver. The voting results were for the election of the following directors: Shawn Wallace, Ivan James Bebek, Gordon J. Fretwell, Steve Cook, Keith Minty, Daniel T. McCoy, Antonio Arribas, and Michael Kosowan. [View release](#)

**Auryn Resources** announced June it has initiated its summer exploration drill program on the Committee Bay gold project. At Gibson MacQuoid, we will conduct a belt wide till sampling program and drone imagery survey across the project.

The 14 week summer exploration program at Committee Bay is focused on making new discoveries through the drilling of 12 to 14 high priority targets within five structural corridors across the belt (see Figure 1). These structural corridors were defined by Auryn's comprehensive regional till sampling programs conducted in 2015 and 2016. The 2017 program will consist of 25,000 meters of rotary air blast ("RAB") drilling that will be supported by detailed surface work to define exact drillhole locations. This work will include:

- 3,450 line-kilometers of ground magnetics to further define target structures;
- 19,000 till samples to be analyzed by portable x-ray fluorescence units to define chemically favourable positions on target structures; and,
- 2,700 line-kilometers of boulder mapping to define source areas of gold-in-till anomalies.

In addition, this summer's program at Committee Bay will include 2,000 regional till samples to complete our geochemical targeting from across the entire 300 km long greenstone belt. [View release.](#)

**Auryn Resources Inc.** announces that it will be filing an updated technical report for the Committee Bay project prepared by Roscoe Postle Associates Inc. During the process of updating the Report, the Company reviewed the previous resource model and confirmed that there have been no material changes. [View release.](#)

**Canadian Zinc Corporation** announces results of its 2017 annual general meeting of shareholders held in Vancouver, British Columbia on June 27, 2017. John F. Kearney, Chairman and CEO of Canadian Zinc, provided shareholders with an update on the company's activities, noting the considerable

progress has been made this past year in advancing the project towards production. During the past twelve months, CZN advanced the Prairie Creek project on several fronts. The definitive feasibility study, that will provide the detail needed to obtain financing, is nearing completion. CZN has engaged financial advisers to arrange debt financing and the Company is examining various financing options to secure the necessary capital to put the project into production. The Environmental Assessment of the all season access road to the Prairie Creek Mine has entered the final phase and the Mackenzie Valley Review Board is expected to make its decision in August. Importantly, all of this progress on the project is being made against the background of a very positive outlook for metal prices, especially for zinc but also for lead. [View release](#)

**Crystal Exploration Inc.** is pleased to announce closing of a first tranche financing previously reported on June 12, 2017 for gross proceeds totaling \$629,500. The Company issued 6,295,000 common share units at a price of \$0.10 per unit. Each whole warrant entitles the holder to purchase one additional common share of the Company at an exercise price of \$0.18 per share, expiring on June 28, 2019. In the event that the shares of the Company trade at a price greater than \$0.25 per share for a period of 20 consecutive days, then the Company may deliver a notice to the warrant holders that they must exercise the warrants with the next 30 days, or the warrants will expire. The proceeds from the financing will be used for working capital and to advance the Muskox, Contwoyto and Hood projects located in Nunavut, Canada. All securities issued will be subject to a four-month hold period expiring on October 29, 2017. The Company has begun preparation for its drilling and exploration program on its gold and diamond projects. A start date and outline of the program is expected during Q3, 2017. [View release](#)

**Darnley Bay Resources Limited** Intersects 72 metres of 5.6% Zinc And 1.8% Lead at Pine Point. Darnley Bay reported assay results from the winter program at the Pine Point Project near Hay River, NWT. The results again have confirmed high grade zinc and lead mineralization with good continuity along with high grade gallium and germanium values. The drilling was conducted at the W85 deposit, which was included in the recently-reported Preliminary Economic Assessment (PEA) (see news release dated April 18, 2017), and was completed to obtain metallurgical samples as part of the planned

feasibility study. This is the second hole from Darnley Bay's \$5-million exploration program for 2017 at Pine Point. A further 28 holes have been drilled at L65 deposit, which was included in the mine plan in the PEA. The drilling is designed to confirm some of the historical drilling and to expand the size of the deposit. Assays will be released on an ongoing basis. Darnley Bay plans to add a second drill to the program by mid-June. Darnley Bay has filed the PEA technical report on SEDAR and on the Darnley Bay website ([www.darnleybay.com](http://www.darnleybay.com)).

**Darnley Bay** announces that it will seek shareholder approval to change its name to Pine Point Mining Limited at the Company's annual and special meeting of shareholders to be held on July 17, 2017. Jamie Levy, President and CEO comments: "With the Company's main focus now bringing the Pine Point zinc project back into production, it is appropriate at this time to adopt a new name." Mr. Levy further adds that "The name change certainly does not take away from our other excellent projects, including the original Darnley Bay gravity anomaly near Paulatuk, also in the Northwest Territories." The Company plans to change its TSX-V ticker symbols to "ZINC". The timing of the name change, ticker symbol change and corporate re-branding will be announced at a later date. Subject to the name change, the Company's web domain name will change to [www.pinepointmining.com](http://www.pinepointmining.com). [View release](#)

**De Beers Group** announced the creation of De Beers Ventures to actively consider the acquisition of minority equity stakes in start-ups and growth companies. The new initiative will consider small investments in areas that may include downstream distribution, consumer brands, marketing platforms, security, cutting and polishing, and imaging technologies. The objectives of the investments will be to generate returns that are both strategic and financial. [View release](#)

**Fortune Minerals Limited** reports that the nominees listed in the management information circular for the 2017 annual and special meeting of shareholders held June 21, 2017 were elected as directors of Fortune including Shou Wu (Grant) Chen, Carl L. Clouter, Robin E. Goad, Glen Koropchuk, Mahendra Naik, David Ramsay and Edward Yurkowski. Shareholders at the meeting also approved the appointment of Fortune's auditors and the re-approval of the stock option plan. [View release](#)

**Fortune Minerals** appoints COO as it prepares for Construction NICO Project; also hires Supply Chain Manager & reports internal promotions. Fortune Minerals Limited is pleased to announce that Glen Koropchuk has been appointed to the position of Technical Director and Chief Operating Officer to lead development of the NICO Cobalt-Gold-Bismuth-Copper Project.

Glen, who is also a director of the company, has decades of global mineral industry experience, including more than 27 years within the Anglo American Plc group of companies, most recently as COO of De Beers Canada Inc. His experience in Canada's North is particularly important to Fortune as it prepares to construct its vertically integrated NICO development, comprised of a mine, mill and concentrator in the Northwest Territories and a related refinery near Saskatoon, Saskatchewan. NICO is one of the world's few near-term primary cobalt assets positioned to meet the growing demand for cobalt in lithium-ion batteries needed for transformative automotive electrification and stationary storage of power from the electrical grid. The NICO Mineral Reserves also contain 1.11 million ounces of gold and 12% of global bismuth reserves.

"Mr. Koropchuk's extensive mine development and operations knowledge from around the world, including his experience in Canada's North, will be pivotal to the Company as it prepares for construction and operations at the NICO Cobalt-Gold-Bismuth-Copper Project," said Mahendra Naik, chairman of Fortune Minerals Limited.



*Glen Koropchuk, appointed Technical Director and Chief Operating Officer of Fortune Minerals.*

Glen has a B.Sc. in Mining Engineering and a M.Sc. in Mineral Engineering from the University of Alberta.

He joined Anglo in 1989 where he amassed considerable experience in mine operations, project development and corporate social investment at coal mines and gold mines in South Africa, the Ampari gold project in Brazil, the Sadiola Hill and Morila gold mines in Mali, Trans-Siberian Gold in Russia, as head of operational performance at Anglo's coal mines in British Columbia, Venezuela and Colombia, and as CEO of Peace River Coal in Canada. As COO of De Beers Canada Inc., Glen was responsible for delivering safe, operational excellence from the Snap Lake and Victor diamond mines and led the permitting, Aboriginal engagement, and project management for construction of the Gahcho Kué diamond mine in Canada's north. His diverse background and experience with projects in the NT, including delivery of the Gahcho Kué mine on time and budget, makes him ideally suited to lead the development of NICO.

Fortune is also pleased to announce that Sherry Tunks has re-joined the company in the position of supply chain manager. Sherry has 15 years of supply chain experience within the mining, automotive supply and manufacturing industries and is responsible for purchasing, and supply chain management for the Company.

Richard Schryer, Ph.D., has been promoted to the position of vice president of regulatory and environmental affairs. Dr. Schryer is an aquatic scientist with more than 30 years of experience in environmental studies, monitoring, Aboriginal engagement, environmental assessments ("EA's) and permitting, including successful completion of the NICO mine and refinery EA's and receipt of the major mine permits. Rick continues to supervise environmental, Aboriginal and regulatory permitting issues for the company.

Patricia Penney, B.Com. (Hon. Accounting), C.P.A., C.A. has been promoted to the position of Controller from her previous position as financial and accounting manager since 2013. Patricia is responsible for the company's accounting, financial reporting and other functions, reporting to Dave Massola, Fortune's vice president finance and CFO. [View release](#)

**Fortune Minerals** reports that the nominees listed in the management information circular for the 2017 Annual and Special Meeting of shareholders held on



June 21, 2017 were elected as directors of Fortune. They include: Shou Wu (Grant) Chen, Carl L. Clouter, Robin E. Goad, Glen Koropchuk, Mahendra Naik, David Ramsay, and Edward Yurkowski

Shareholders at the meeting also approved the appointment of Fortune's auditors and the re-approval of the stock option plan. [View release](#)

**GoldMining Inc.** announced that the Supreme Court of British Columbia has issued an order approving the agreement between GoldMining, its wholly-owned subsidiary and the receiver appointed in respect of Tyhee N.W.T. Corp. under the Bankruptcy and Insolvency Act, pursuant to which the company will acquire 100% of the Yellowknife Gold Project and nearby Big Sky Property. Acquisition of YGP and Big Sky remain subject to customary closing conditions, including completion of asset transfers. The Company currently expects the transaction will complete in late-June 2017. [View release](#)

**Mountain Province Diamonds Inc.** announced that president and chief executive officer Patrick Evans would depart the company after 11 years as CEO, effective immediately. Mountain Province shares ownership of the Gahcho Kue Diamond Mine with De Beers Canada.

"He worked tirelessly to bring the Gahcho Kue project to a positive development decision and has brought the company to where we are today as a diamond producer and marketer," stated Jonathan Comerford, chair of the board of directors in a news release. "We appreciate his efforts and wish him the best in his future endeavors."

David Whittle has been appointed interim president and chief executive officer, while Evans will continue as a director of the company, providing assistance during the transitional period.

Whittle has been a director of Mountain Province since 1997, and was the president of the company's joint venture partner, Glenmore Highlands Inc., at the time the original discovery of Gahcho Kue's 5034 kimberlite pipe in 1995. [View release](#)

**Mountain Province Diamonds** announces the results of its recently completed fifth diamond sale. Sale 5 included \$US21.1 million proceeds from sales of 222,000 carats (US\$ value per carat: \$95). Diamonds sold at individual sale events will not directly reflect run-of-mine production from specific processing periods. The timing of the sale of some goods may be accelerated or deferred for tactical marketing

purposes. Realized average value per carat is also impacted by the binary nature of the fancies and specials bidding process within each production split, conducted approximately every five weeks with the Company's joint venture partner, De Beers Canada Inc. The winning party of each fancies and specials bid then markets 100% of those diamonds. The results from the fifth sale are elevated in part from the inclusion of a selection of the fancies and specials won by the Company otherwise scheduled for inclusion in the sixth sale, which will occur in the second half of July. Excluding these high value diamonds, the average value realized per carat was US\$75. This reflects the finer size and lower quality distribution of this particular sales offering, as the Company indicated in May would be the case in connection with its first quarter reporting. Nonetheless, this fifth sale represents the Company's strongest sale performance to date. Very positive prices were realized on the fancies and specials, and prices realized on the remainder of the offering also exceeded expectations. [View release](#)

**Nighthawk Gold Corp.** reported initial drill results from eight holes (2,658 metres) on its Colomac Gold Project located within its Indin Lake Gold Property, NWT. Drilling focused on two zones along the Colomac sill, Zone 1.5, and Zone 2.0 (see Table 1; Figures 1, 2 and 3). All holes have returned broad intercepts of mineralization highlighted by Zone 1.5 intersections where C17-04B cut 50.30 metres of 2.58 grams per tonne ("gpt") gold ("Au"), including 23.70 metres of 4.78 gpt Au, and including 10.20 metres of 10.14 gpt Au. Drilling continues to support the zone's consistency and continuity of mineralization, and true widths up to 50 metres, that characterize its high-grade nature. Zone 1.5 maintains a steep to sub vertical plunge to the north and has now been traced to a vertical depth of 300 metres and remains open.

The 2017 drill program is targeting 25,000 metres of drilling with three drills now active, focused on further expanding the high-grade gold mineralization at Zone 1.5 down plunge and to the north, which was delineated late last year (see press release dated October 12, 2016). Additional drilling will continue to explore for other high-grade opportunities throughout the Colomac sill and the Goldcrest sill, which lies parallel to and west of the Colomac sill. [View release](#).

**North Arrow Minerals Inc.** announced the start of a \$3.2M exploration program at the Company's 100%

owned Naujaat and Mel Diamond Projects, Nunavut. Highlights of the exploration work to be completed this summer include:

### **At the Naujaat Project**

4,500m of drilling intended to better delineate the Q1-4 kimberlite, in particular between 200m and 300m below surface; Collection of a 200 tonne mini-bulk sample from the highest grade phase of the Q1-4 kimberlite and intended to better characterize the macrodiamond population, including a population of rare, fancy orangey yellow diamonds.

### **At the Mel Project**

Detailed prospecting and geophysical surveys of high priority kimberlite indicator mineral (KIM) targets, which could result in the discovery of a new kimberlite field.

Naujaat Diamond Project - A 4,500m drilling program has commenced at the Q1-4 kimberlite, located just 9 km from the Hamlet of Naujaat (Repulse Bay). Drilling is intended to better delineate the kimberlite, in particular between 200m and 300m below surface, and will also help confirm and update the internal geological model for Q1-4 and improve the deposit's spatial diamond dataset.

Ken Armstrong, President and CEO of North Arrow, stated, "We are pleased that drilling is underway at the Naujaat Project for the first time in over 12 years. Q1-4 is a large kimberlite, having a surface area in excess of 12 ha and excellent potential to extend at depth beyond the reach of past drilling efforts. The current program will provide important information to confirm and update the size of the Q1-4 kimberlite as well as improve our understanding of its internal geology and diamond distribution within the deposit. The 2017 summer drilling is part of a staged exploration program designed to define a NI 43-101 inferred resource down to a depth of at least 300m below surface."

A 200 tonne mini-bulk sampling program is also scheduled for July. The program will utilize a mini-excavator to collect approximately 250 mega-bags of kimberlite from the A61 phase of Q1-4, in an area where this coherent hypabyssal kimberlite subcrops beneath approximately 0.5m of glacial till. Based on the May 2013 NI 43-101 inferred resource for Q1-4, A61 has the highest model grade of the five phases or units that comprise the kimberlite and the 2017 mini-bulk sample is intended to provide an indication of the characteristics of the

macrodiamond population in this area of the deposit. The sample will be shipped south in late August on Naujaat's annual sea-lift and will be processed during the fall of 2017.

Mr. Armstrong continued, "As we have noted from North Arrow's ongoing evaluation of Q1-4, this kimberlite hosts an important population of fancy orangey yellow diamonds, which have been recovered from every phase of the kimberlite and have the potential to positively impact the overall diamond value of the deposit. The 2017 mini-bulk sample will advance this evaluation by providing an indication of the characteristics of these rare, coloured diamonds in the highest grade phase of the deposit and will help with planning a larger bulk sampling program in 2018."

Mel Diamond Project - As part of its overall 2017 exploration program, North Arrow field crews will also be conducting a program of detailed prospecting and geophysical surveys at the Mel Project, located on the Melville Peninsula, approximately 210 km northeast of Naujaat and 140 km south of the Hamlet of Hall Beach. Prospecting will focus on areas up-ice from at least two, and possibly three, KIM trains sharply defined from previous sampling. Anomalous samples in this area include the full suite of KIMs including magnesian ilmenite, and mantle-derived sub-calcic pyrope and eclogitic garnets, with counts ranging from hundreds to in excess of 1,200 KIMs per 20 kg of till suggesting very close proximity to a kimberlite bedrock source.

All of the kimberlite fields discovered to date in the eastern Canadian arctic, including at North Arrow's Naujaat Project, include at least some kimberlite bodies that occur in outcrop or subcrop and prospecting is considered a cost effective exploration tool that could lead to the discovery of a new kimberlite field at Mel. [View release](#)

**North Arrow Minerals Inc.** announced that, pursuant to North Arrow's Stock Option Plan, the Company has granted a total of 2,230,000 incentive stock options to Directors, Officers, Employees and consultants to the Company. The stock options are exercisable to acquire one common share of North Arrow at \$0.27 per share and can be exercised until June 23, 2022. [View release](#)

**Peregrine Diamonds** has completed final preparations for the 2017 work program at its 100%-owned Chidliak Diamond Project near Iqaluit, Nunavut, Canada. Field crew mobilization will

commence on June 27, 2017 and core drilling of up to 7,500 metres at the CH-6 kimberlite pipe is expected to commence on July 5, 2017. Drilling at CH-6 will further delineate the kimberlite, with the objective of expanding the high grade CH-6 resource to a depth of 500 metres below surface.

Approximately 1,000 metres of HQ-diameter core drilling will be used to gather geotechnical information and to allow completion of further open-pit design and optimization studies. Environmental base line studies also will form part of the 2017 work program and will focus on the collection of additional environmental data within the Chidliak Project area and the proposed transportation corridor between Iqaluit and the project site. [View release](#)

**Sabina Gold & Silver** Intercepts Llama Mineralization 300 Meters Down Plunge of Current Resource – the Deposit Remains Open; Llama hole 17GSE513 returns 6.52 g/t Au over 8.3 meters. The company announced June 13 the final results from the spring exploration diamond drilling program at its 100% owned Back River Gold Project in Nunavut, Canada.

Approximately 2,700m of drilling in five drill holes were completed during this first phase of exploration. Two of these drill holes were completed at the Llama extension target with encouraging results. Drill hole 17GSE513 stepped-out approximately 300 m down plunge of the existing resource structure at Llama and was successful in intersecting over 48 m of altered and mineralized iron formation that includes 6.52 g/t Au over 8.3 meters from 618.90 m to 627.20 m. The Llama mineralized zone has now been intersected to approximately 550 m vertical depth and remains open.

Bruce McLeod, President and CEO stated “we are very excited about the results from the Llama Extension drilling as they continue to demonstrate the considerable quality and the upside potential for growth of our existing deposits.

At the Umwelt Vault zone, announced in May, we believe we have the potential to grow a high grade portion of the deposit with grades that are 2 to 3 times our resource average.

At Llama we have demonstrated that the mineralized structure continues well below the current resource limits. Both Llama and Umwelt are analogous to other iron formation deposits around the world, including Goldcorp’s Musselwhite

complex where mining continues along structures that are well in excess of 1,000 m and are still open. We are excited to have achieved our objectives at both Llama and Umwelt for our spring campaign. I look forward to our second phase of drilling on these targets scheduled for this summer and the continued demonstration of the significant upside resource growth potential at the Back River District.”

[View release](#)

**Sabina Gold & Silver** reports that the exhibits and transcripts from the final public hearings run by the Nunavut Impact Review Board (“NIRB”) in relation to the Company’s 100% owned Back River Project in Nunavut, Canada are now available on the NIRB website. As part of the NIRB environmental assessment process, Sabina participated in final public hearings during May 31 – June 3 in Cambridge Bay, Nunavut.

The hearings were comprised of two days of technical presentations and two days of community roundtable. At the commencement of the hearings the Kitikmeot Inuit Association, the Government of Nunavut, and all federal regulatory departments had no outstanding technical issues with the project.

The link to the transcripts can be found at [www.nirb.ca](http://www.nirb.ca) on the public registry tab by searching Back River Project and clicking search documents.

[View release](#)

**Seabridge Gold** provided the results of its annual general meeting of shareholders held on June 27, 2017. A total of 35,374,083 common shares were voted at the meeting, representing 62.42% of the issued and outstanding common shares of the Company on the record date. Directors are A. Frederick Banfield, Rudi P. Fronk, Eliseo Gonzalez-Urien, Richard C. Kraus, Jay S. Layman, John W. Sabine, and Gary A. Sugar. [View release](#)

**Silver Range** is pleased to provide an update on work at its South Kitikmeot Gold Project near Sabina Gold & Silver’s Back River Project in Nunavut. In May, Silver Range completed ground geophysical surveys at the Uist Property.

Ground total magnetic field and horizontal loop electromagnetic field (HLEM) surveys were conducted on grids sited over the Billie and Holliday Zones. In early June, Silver Range staked the Qannituk Property adjoining Sabina Gold & Silver’s Llama Deposit. Subsequently, Sabina announced significant drill results from the Llama Deposit,



intersecting 8.3 m @ 6.52 g/t Au, 300 m down plunge from limits of the current resource (Sabina Gold & Silver Press Release - June 13, 2017).

The Qannituk Property covers 19,590 hectares, abuts Sabina's core leases, and is underlain by favourable Beechey Lake Group metasediments hosting gold mineralization at the Llama, Umwelt and Goose Deposits. Silver Range is currently compiling geological and geophysical data from assessment reports in the public domain to prepare for work at Qannituk later this season.

With this recent staking, Silver Range's South Kitikmeot Gold Project now includes seven properties with a total area of 60,030 hectares.

A video presentation describing the South Kitikmeot Gold Project can be found on Silver Range's website [here](#).

Silver Range's 2017 exploration plans at the South Kitikmeot Gold Project include mapping and prospecting at Qannituk, ground geophysical surveys at Bling, and community consultations in preparation for drill permit applications. [View release](#)

**TerraX Minerals** extends strike at Sam Otto Zone from 350 m to 750 m and depth to 300 m; highlights include 123.5 m @ 0.59 g/t Au, inclusive of 25.07 m @ 1.38 g/t Au. The company announced Jun 14, the final assay results from the 2017 winter drill program at the Yellowknife City Gold Project ("YCG") in the Northwest Territories.

Included in the assays reported today are 9 holes (3,713 m) at Sam Otto, located at the Northbelt property, that have more than doubled the strike length, intersected multiple zones of mineralization parallel to the main system, and extended the depth of gold mineralization to greater than 300 metres.

Highlights include:

- 123.50 m @ 0.59 g/t Au including 25.07 m @ 1.38 g/t Au in hole TSO17-026
- 143.00 m @ 0.48 g/t Au including 34.50 m @ 1.10 g/t Au in hole TSO17-028
- 97.17 m @ 0.45 g/t Au including 24.00 m @ 1.15 g/t Au in hole TSO17-031
- 77.50 m @ 0.51 g/t Au including 23.75 m @ 1.02 g/t Au in hole TSO17-023

[View release](#)

**TMAC Resources** held its annual and special meeting of shareholders in Toronto yesterday and announces the results of voting. A total of 67,981,829 shares (about 81% of the 84,008,248 common shares outstanding at May 8, 2017) were represented, in person or by proxy, demonstrating strong support for the election of its nominees as directors. The shareholders appointed the nine board members including Andrew B. Adams, Leona Aglukkaq, João P. S. Carrêlo, Franklin L. Davis, E. Randall Engel, David R. Faley, Catharine E. G. Farrow, John W. Lydall and Terrance MacGibbon. [View release](#)

### Northwest Territories Geological Survey Releases Airborne Geophysical Data

Northwest Territories Geological Survey (NTGS) has released two airborne geophysical surveys that provide additional insight for prospectors and mineral development companies interested in exploration in the Slave Geological Province of the Northwest Territories (NWT). The studies, developed by NTGS, provide detailed airborne magnetic and electromagnetic survey data from the promising region.

The new reports are:

- NWT Open Report 2017-014. Aeromagnetic Survey of the Central Slave Craton, NWT, Parts of NTS 75M and 75N
- NWT Open Report 2017-015. Airborne Electromagnetic and Horizontal-Gradient Magnetic Survey of the Central Slave Craton Area, NWT, Parts of NTS 75M, 75N, and 76D.

The reports are available [here](#).

This is the second data release in 2017; an earlier data set of mineral chemical information was released in March. The work was funded by a joint agreement between the NTGS and the

Canadian Northern Development Agency (CanNor) to inform a variety of mineral exploration, geological and environmental research objectives.

The NTGS is a science-mandated division of the Department of Industry, Tourism and Investment. Enhancing the availability of geoscience information is central to the Government of the Northwest Territories' stated mandate to implement the NWT Mineral Development Strategy.

### **GNWT Advancing Work on Territory's Mineral Resources Act**

*The following is a post from the NWT Government to help inform the public on the work they and their contractor are contemplating with their new Mineral Resources Act.*

#### **Q+A: Resource Governance with Andrew Bauer**

Looming large in the mandate of the Government of the Northwest Territories 2016-19 is the development of a new Mineral Resources Act (MRA), a major objective of the post-Devolution period.

With billions of dollars' worth of resources below its surface, and the significant needs of residents above it, it is important the GNWT gets natural resource governance right.

In a field as complex as natural resource governance, that means embracing global expertise to help guide the process — a common practice amongst national and subnational jurisdictions.

Enter Andrew Bauer, the Department of Industry, Tourism and Investment's choice to coordinate the research and engagement sessions kicking off the legislative process.

Bauer is a resource governance specialist who has held government, non-profit, and private sector positions. Governments around the world have drawn from his expertise to overhaul and improve their natural resource management.

We sat down for a Q+A session with Bauer to help demystify resource governance and explain why it matters for everyday people.

#### **Q: What is the objective of good natural resource governance?**

A: From an economic perspective, the main point of petroleum or mineral production—that is, removing a finite asset from the ground—is to generate benefits that make people's lives better.

The most important question we have to ask ourselves is, "How are residents as a whole, especially those most disadvantaged, benefitting from oil, gas or mining activities?"

The principal goal of government is to use the revenues generated by oil, gas or mining to pay for the things that people need most: education, clean water, power, transport, healthcare and other infrastructure and social services. This means generating adequate revenues from industry and spending those revenues responsibly and effectively.

Good governance also means creating new opportunities from this development - investing in the infrastructure and training necessary to support a thriving resource industry, but also directing funds to foster growth across all sectors of the economy.

**Q: Why should average people be concerned with natural resource governance?**

A: How governments manage resource development can make-or-break an economy; it can bring new opportunities or limit them. Mining generates billions in revenue, but how much of that is actually being realized by those living in mining jurisdictions? Good natural resource governance schemes aim to benefit the people served by the government.

**Q: How important is legislation to capturing the full benefit of natural resource development?**

A: Legislation is key to maximizing both fiscal and non-fiscal (e.g. jobs; skills) benefits from resource development. A good piece of legislation can make the difference in transforming an economy for the better.

**Q: Do you have an example of a jurisdiction transformed by good natural resource governance practices?**

A: The first example which springs to mind is Chile. Chile's massive copper resources have sustained a strong resource sector for decades. But their natural resource governance fiscal regime was well-designed and implemented, meaning the government collects a fair share of copper revenues. These revenues have been channeled into public education and infrastructure; and they have been used to diversify the economy.

**Q: What role does transparency play in the field of good natural resource governance?**

A: Transparency helps build trust between the government, companies and mining-affected communities. Transparency can also promote an informed dialogue.

In the natural resource governance field, transparency can refer to information on exploration and production companies for purposes of monitoring; geological information so governments and companies can make informed decisions; clear regulations and policies; environmental and social costs and benefits; and public disclosure of financial information — like payments from companies to governments. These are all areas we look to address when advising on new governance regimes.

**Q: What, in your view, will be the measure of success?**

A: The GNWT is working to establish a strong legal framework with clear rules and responsibilities upfront tailored to the needs of the NWT. This means ensuring a regime that encourages exploration and investment, while protecting the environment, respecting local claims, and generating adequate revenues and other benefits for the territory. It also means using those revenues to support sustainable economic development. This is what was top-of-mind as we moved through the initial consultations and research in support of the new Mineral Resources Act.

**Head North to Understand why Canada Needs an Infrastructure Bank**

*The following is by Pierre Gratton, Mining Association of Canada president and CEO, Special to the Globe and Mail, June 18, 2017*

Any government initiative with a \$35-billion price tag is bound to drum up political debate, and the Canada Infrastructure Bank (CIB) has been seeing its fair share. But I stand with the

International Monetary Fund, Canadian and global business groups, and aboriginal organizations who say that the CIB, if well structured, is exactly what Canada needs to grow the economy over the long term. Bold action is needed to address an area that we've been failing at: constructing strategic, nation-building infrastructure.

Many of you are probably reading this on a digital device connected to wireless high-speed Internet. And I'll assume that many of you are reading this at work, a place that you travelled to on roads, and that is powered by the electrical grid. Pretty mundane stuff, right? But it's not if you're living or working in remote and northern areas of Canada.

I should know. I represent a major Canadian industry whose opportunities for growth are increasingly in areas where infrastructure simply does not exist, or is severely lacking. As a direct result of this lack of infrastructure – power, ports, roads, telecommunications, you name it – it costs up to six times more to explore for minerals and metals in remote and northern Canada, and more than double to build and operate a mine in these regions compared with more southern areas of the country.

The mining industry, therefore, is a good case study on why the CIB needs to be established.

Let's look at the example of Agnico Eagle Mine Ltd.'s Meadowbank gold mine, which has transformed Nunavut's economy. The mine represents 15 per cent of the territory's GDP, directly employs 300 Inuit employees at an average wage of \$107,000 a year, and generates \$280-million annually in local business procurement. The company also invests strongly in aboriginal skills training initiatives at more than \$5-million a year.

All of these benefits have been generated, despite the fact that the mine – after seven years of operation – has not been profitable. How could this be? Having to absorb the complete cost of basic infrastructure such as roads – in this case a 110-kilometre road – on top of the capital cost to build the mine and related infrastructure, is becoming a deterrent to more investment in Canada's North from the mining sector. You can find similar examples throughout the country.

What's problematic is the lack of infrastructure is increasingly halting promising projects from ever becoming producing mines. This means lost jobs, revenues and other socio-economic benefits to local communities and Canadian governments alike. It also threatens the mining industry's ability to continue being the largest private sector driver in Canada's North. This is a cause for concern, not only for our industry, but also for communities that depend on us. By funding northern infrastructure projects, the CIB can unlock billions of dollars of economic development, can create shared benefits for companies and communities that will use that infrastructure, and could incent future sustainable mineral development in the region.

There's really no need for trepidation with the CIB. Canada is just catching up to what other countries are already doing. Look no further than the United States to find the Alaska Industrial and Development Export Authority (AIDEA), a similar institution that for decades has been operating profitably. AIDEA received initial government funding, but is now self-funded and holds \$1.3-billion (U.S.) in assets.

AIDEA funded an 85-kilometre road and port facility that enabled one of the world's largest zinc mines to be built. The Red Dog mine, jointly owned by Canada's Teck Resources Ltd. and the



NANA Regional Corporation, owned by the Inupiat people of northwest Alaska, serves as an indicator of what the CIB could do in Canada. Through private-public infrastructure investments, MMG Ltd.'s Izok Lake zinc/copper project in Nunavut can be the next Red Dog if a road and port get built. It could help finance run-of-river hydro in Nunavut and take mines and communities off diesel. And we already know how helpful a road would be to Ontario's Ring of Fire region.

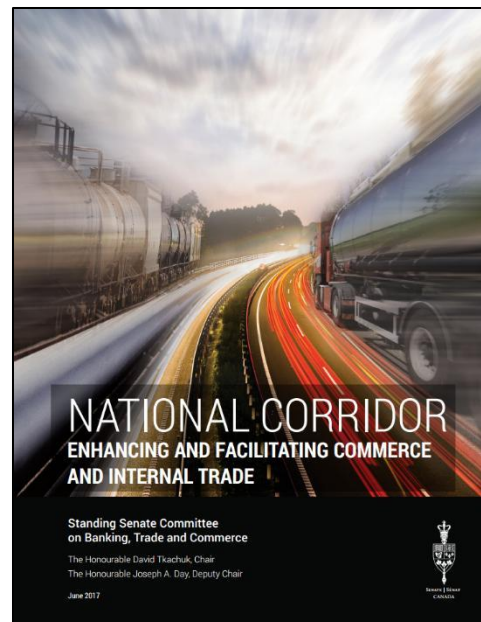
Infrastructure is the key to many things Canadians care about. Economic growth, addressing climate change, and building healthy and prosperous communities cannot happen without it. The CIB could be exactly what we need to get this done.

### Northern National Corridor Key to Canada's Economic Future

#### ***Says Senate report supporting transportation corridors***

A 7,000-kilometre transportation corridor across Canada's North will have as revolutionary an impact on today's Canadian economy as the coast-to-coast railway did in the 1800s, the Senate Committee on Banking Trade and Commerce concludes in a report released Wednesday.

The report, called [National Corridor: Enhancing and Facilitating Commerce and Internal Trade](#), calls for the construction of an east-west corridor through Canada's northern regions, which would unlock significant economic opportunities. The idea is to establish a right-of-way that would accommodate highways, railways, pipelines as well as electrical transmission and communications networks. The new national corridor would tie into existing infrastructure in southern Canada like the Trans-Canada Highway and the Great Lakes-St. Lawrence Seaway.



The Senate committee urges the federal government to take a leadership role in building a national corridor, starting with a \$5-million grant to the University of Calgary's School of Public Policy and the Montreal-based Center for Interuniversity Research and Analysis of Organizations for their research program on such a corridor.

The corridor will help Canada diversify its foreign markets by allowing companies to ship their goods to tidewater ports in the North. It will also spur economic growth, new job creation and provide benefits to Indigenous peoples and other northern residents.

Because the proposed national corridor would cross the traditional territories of a large number of Indigenous communities, the government must ensure they are actively involved from the beginning, the committee said. Their involvement in the corridor will be fundamental to its successful development. In particular, the committee met with the First Nations Major Projects

Coalition and the First Nations Financial Management Board whose work has informed this study to a vast degree.

This bold and innovative project would create countless employment and economic opportunities for Indigenous communities, including through construction jobs, supplying builders and the acquisition of equity stakes in infrastructure projects.

Other potential benefits of a national corridor include decreased traffic on southern highways and railways. A corridor would also help Canada assert its Arctic sovereignty.

### **Quick Facts**

- Inadequate east-west transportation infrastructure limits the extent to which Canada can access tidewater in order to export goods.
- There is a lack of ports and routes in Canada's North that could be used to ship goods abroad.
- A 7,000-kilometre coast-to-coast corridor through the North could open up ports in Canada's northern regions.
- Asia and Europe are growing in importance in terms of markets for Canadian exports; improved access to tidewater would make those markets more accessible.

"Not since Sir John A. Macdonald's National Policy in the 1870s has Canada had such an opportunity to build such a monumental infrastructure project with the potential to transform the country's economy. As Canada looks forward to its next 150 years, a national corridor is the kind of infrastructure it will need to tap into new foreign markets."

**Senator David Tkachuk, Chair of the committee**

"The proposed national corridor is a visionary project that could unlock extraordinary economic potential. A national corridor would greatly help facilitate internal trade as well as increase access to foreign markets in Asia and Europe, which is exactly what our great country needs."

**Senator Joseph A. Day, Deputy Chair of the committee**

### **Chamber of Mines Welcomes Newest Staff, Doug Ashbury**

Please join the Chamber of Mines in welcoming Doug Ashbury to its new role of Public Awareness Manager.

Doug, a graduate of Queen's University, brings numerous communications skills to the NWT & Nunavut Chamber of Mines including media relations, digital/social media, document production, branding, writing/editing and photography.

Most recently, as Adviser, Communications with Yellowknife-based Diavik Diamond Mines Inc., he was responsible for producing Canada's largest diamond producer's external and internal communications.

With nearly 16 years of mining related communications experience, he has produced numerous corporate communications including annual sustainable development and annual socio-economic monitoring agreement reports, both of which provide detailed information on the diamond mining company's training, employment and business benefits for local northern

communities. His role also included participation in numerous community events and production of communications products which highlighted industry's commitment to environmental protection and to community health and wellness.

Prior to joining Diavik in 2001, he was business editor/journalist with Northern News Services for four years.

With 20 years of northern communications experience, Doug joins a team which is strongly focused on promoting awareness of the minerals exploration and mining industry in the Northwest Territories and Nunavut. Through its web site, newsletters and publications, and its social media platforms and conference participation/organization, the chamber promotes the North's mining and mineral exploration industry and Doug will build upon these and other chamber marketing and communications initiatives.



### **Incentive Program Provides \$1 Million to NWT Explorers, Prospectors**

Nearly \$1 million is being invested in the future of Northwest Territories (NWT) exploration and prospecting thanks to the Government of the Northwest Territories' (GNWT) signature incentive program.

The Department of Industry, Tourism and Investment announced today the 2017-2018 funding recipients under the Mining Incentive Program (MIP) administered by their Northwest Territories Geological Survey division.

Seven corporate recipients and six prospectors were awarded funding for this coming year.

The MIP provides funding to qualifying exploration and prospecting projects to encourage work on existing projects as well as incent new projects in the NWT.

In March 2017, the GNWT announced funding for the MIP would be increased from \$400,000 to \$1 million — an adjustment designed to respond to an evolving operating environment since the program's inception in 2014. This intake was the first under the new funding allowance.

MIP is part of the NWT Mineral Development Strategy (MDS), the guiding document for the GNWT's approach to support a strong, stable mining and exploration industry.

Implementing the MDS to support mining as the foundation of the territorial economy is a commitment under the GNWT's Mandate.

"Exploration is key to establishing new mines. In this time of financial challenges within global exploration, it is essential that the NWT remains a competitive and attractive jurisdiction. Investing in promising, well-managed projects is one of many ways our government acts to safeguard the millions of dollars in economic benefits and thousands of jobs that mining creates in the NWT." Wally Schumann, Minister of Industry, Tourism and Investment

**Quick facts**

- \$860,693.58 in funding has been allocated to corporate projects.
- \$130,360.95 has been allocated to prospector projects.
- Funding requested increased by 152% compared to the 2015/2016 intake.
- Corporate projects can now receive up to \$200,000 — double the availability from prior intakes.
- Prospectors can now receive up to \$25,000 — a \$10,000 increase from prior intakes.
- Mining contributed \$640 million to the NWT's GDP in 2016.

Click [here](#) for the GNWT's mining incentive program web site page.

**Canadian Mines Could Prove Critical to Clean Energy Transition**

*The following is from Clean Energy Canada*

Canadian mines could help power the transition to clean energy, sparking new economic development in the process, a new report from Clean Energy Canada finds.

Growth in clean energy is driving significant demand for the metals and mineral products used to manufacture technologies like solar panels, wind turbines, LED lighting and electric cars, creating an opportunity for job creation and economic growth in mining communities across Canada.

[Mining for Clean Energy](#), which focuses on the metal and mineral requirements for solar power, finds that Canada could emerge as a key supplier of these resources. Canada is home to 14 of the 19 metals and minerals needed for solar panels.

But tapping into this opportunity will require a more responsible approach to mining—to prevent disasters like at B.C.'s Mount Polley copper mine and to secure the confidence of Canadians.

If done right, Canadian mines would be well-positioned to sell their products to an increasingly discerning clean energy marketplace, creating opportunities for economic development and revitalization in communities across Canada.

“People don’t naturally think of mining when they think of clean energy, but metals and minerals are key ingredients for solar panels, wind turbines and electric cars. Canadian miners have an opportunity to play a key role in the global transition to clean energy.

“While it may be surprising to some, Canada’s mining sector could prove an important supplier of resources needed for the technologies that will help address climate change—while helping build Canada’s clean economy,” said Dan Woynillowicz, policy director, Clean Energy Canada.

“A clean economy isn’t just about jobs at tech startups, manufacturing solar panels or building wind farms. It will





also require resource workers in small communities across Canada.

“If we are going to capitalize on this opportunity, we need to build on efforts to ensure mining practices in Canada are as clean as possible, that they have the support and confidence of Canadians,” said Merran Smith, executive director, Clean Energy Canada.

### **Key Facts**

Canada is home to 14 of the 19 metals and minerals needed for solar panels—including copper, silver and tellurium—and could emerge as a key supplier of these resources.

The use of solar power is projected to nearly double worldwide by 2021.

Copper is an essential ingredient in the clean energy transition, used in wind and solar technologies and electric cars (which require four times as much copper as internal combustion engines).

The McKinsey Global Institute estimates that primary copper demand could potentially reach 31 million tonnes by 2035—a 43% increase over current demand.

Canada has the world’s 10th-largest copper reserves, at 11-million tonnes, and was the world’s eighth-largest producer in 2016.

Using lifecycle analysis, a study conducted by Environment Canada and Natural Resources Canada found that while all forms of electricity generation have environmental impacts, solar PV technologies have fewer negative environmental impacts than traditional fossil-fuel-based electricity production.

### **NAPEG Award of Merit to Wayne Johnson**

#### ***Congratulations, Wayne!***

The NWT and Nunavut Association of Professional Engineers and Geoscientists Award of Merit was presented to Wayne Johnson, P. Geo., in recognition of his significant contribution to the creation of the base for a vibrant minerals industry on Inuit-owned land in Nunavut and the North.

Wayne commenced work with Nunavut Tunngavik Incorporated (NTI) in 1995, shortly after the signing of the Nunavut Land Claims Agreement (1993). Based in Cambridge Bay, Nunavut, he held the role of Senior Advisor, Mineral Oil and Gas, and Manager of Mineral Resources from 1995 to 2003.

Under Wayne’s direction, the mineral-related policies associated with the regulatory regime for Inuit-owned lands in Nunavut were developed. His involvement helped to minimize



environmental impact and ensure the participation of Inuit in management and conservation of Nunavut's natural resources, providing long-term social and economic benefits.

While at NTI, Wayne initiated co-sponsored research projects with universities such as the University of Western Ontario (UWO). He envisioned educating all stakeholders on the mineral potential of Inuit-owned lands (IOL). Wayne's policies, field work and supervision of agreement negotiations added tremendous value to NTI, and for all Nunavummiut. He is a supporter of the role that geoscience plays in sustainable development, both in Nunavut and the North in general.

Wayne was born and grew up in southern Ontario. He graduated with a B.Sc. in Geology from Queens University in 1966 and a M.Sc. from UWO. During his student years, he worked in the Ogilvie Mountains, Yukon, and Pine Point, NWT, as well as for Algoma Steel in Ontario and Hudson Bay Oil and Gas in Calgary. He also taught high school geology and science for two years in Belleville, Ontario. Wayne started Ph.D. research on gold and base metallogeny in the Slave Geological Province of the NWT, but was lured to move to Yellowknife for work in 1974 and remained focussed on the North ever since.

While at NTI, Wayne was the architect instrumental in the development of NTI's Mining Policy, Uranium Policy, Exploration Agreement, Production Lease and Resource Revenue Policy for IOL in Nunavut. Wayne informed, guided and advised the NTI Board and administration through these formative years as well as negotiated joint venture agreements for NTI participation in mineral projects.

Wayne has also worked with industry and academic institutions to further the geological knowledge of NTI land. He was instrumental in the negotiation of a deal with Strongbow Resources, whereby they had an option to explore 29 different IOL parcels. This deal provided baseline geological data for these parcels that NTI would own for future generations.

In his early years, Wayne was a self-employed consulting exploration geologist for over 20 years, with experience in uranium, gold, lead/zinc and more. He consulted and managed numerous projects in the NWT and Nunavut as well as the Grenville and Abitibi Geological Provinces in Ontario and Quebec. His exploration work included years in the NWT working for Highwood Resources Ltd. on the Thor Lake deposits, working in the Indin Lake area for Aber Resources Ltd. and Stratabound Minerals Corp, and in the East Arm for Brascan Minerals. He also worked for Sikamen Gold and Borealis in the Keewatin region of Nunavut.

Wayne's industry experience was invaluable in providing insight and advice to help shape Nunavut's thriving mineral exploration and mining industry.

Since 2004, Wayne has been providing consulting services to the mining industry as President of Wayne Johnson and Associates, based in Port Hope, Ontario, where he resides. He has continued to work as a consultant for NTI, most recently on the development of their oil and gas policy.

Wayne Johnson's vision and leadership has led to the development of key mineral policy development that has anchored the resource-based economy of Nunavut today, and sets a leading example to other jurisdictions and land owners.

## **#MiningMondays – The Tesla Connection: Lithium, Cobalt, and Canada's North**

**News Type - GNWT blog entry:** *The first of June's #MiningMondays features looks at the relationship between the Northwest Territories' mineral potential and the coming electric vehicle boom.*

Nestled in the wilderness off the shores of Great Slave Lake in Canada's Northwest Territories is the secluded, subarctic First Nations community of Whatì, population 492. Caribou, gray wolves and black bears roam. There are no all-season roads.

Nearly 3000 kilometres away in the arid flats of Sparks, Nevada, population 90,264, Tesla is constructing Gigafactory 1, an industrial juggernaut which will one day build enough batteries to power 500,000 Tesla vehicles each year. The factory alone will employ more than 13 times Whatì's population.

Two locations could seldom have more differences, but they have a connection: cobalt.

### **Unsung Hero of the Electric Revolution**

Cobalt is the lesser-known component to Lithium-ion batteries poised to power the clean, green machines of the future. Near Whatì, there are literally tonnes of it – along with Fortune Minerals' NICO - a mine project just waiting for investment and market movement.

Gigafactory 1 on its own will require at least 7000 additional tonnes of cobalt each year, nearly equal to the total annual production of China, the world's second-largest producer.

And, with demand increasing exponentially, Tesla has committed to sourcing its cobalt entirely from North America, further restricting supply.

The NWT presents a politically stable, near-untouched opportunity for investors, both in the advanced-stage NICO project and for further exploration as demand continues to grow with the proliferation of electric vehicles.

### **A Second Life for Lithium?**

Cobalt isn't the only metal found in the NWT on the precipice of a demand spike. There are also potential opportunities for lithium.

With many confirmed showings, lithium exploration in the NWT dates back to the 1970s. While there are no advanced-stage projects, the expected spike in demand already has some major players rethinking their approach.

"Now is the time. If there was ever a time, now is the time," Adrian Lamoureux told CBC last year of efforts to build a lithium mine in the NWT. His company, 92 Resources, also acquired a tract of land at Hidden Lake, north of Yellowknife for exploration. Government geologists have also been working to identify lithium deposits in the area.

Avalon Advanced Materials, owner of the Nehchalacho Rare Earth Elements deposit 100 kilometres east of Yellowknife, is also jumping on the wagon.

"[Nehchalacho] actually has known lithium occurrences on it and we're considering spending a little time looking at that, possibly as a potential lithium asset as well as rare earth," Avalon

president Don Bubar also told the CBC. "There's going to be a need for lots of new producers to serve this market."

### **Exploration for the Future**

With a vast, largely unexplored land and dozens of showings of lithium and cobalt, the NWT is an attractive locale with massive potential to fulfill future demand.

Beyond the rocks, it's a jurisdiction with proven public support for the mining sector. Last year, an Abacus Data survey commissioned by the NWT and Nunavut Chamber of Mines found eight in 10 residents felt positively about mining and exploration.

"Our supportive populace is one of many unique propositions we can offer companies looking to invest," notes NWT Minister of Industry, Tourism and Investment Wally Schumann.

Demand will only continue growing as more electric vehicles and other battery-bearing devices hit the market - and the NWT is well positioned to provide the supply.

### **#MiningMondays – Bringing Mining Home: Justin Grandjambe**

#### **News Type - GNWT blog entry, northerner Justin Grandjambe, with Diavik, is profiled**

Behind the churn of processing plants and machinery that get NWT diamonds from mine to market is a huge supporting cast ensuring the process goes without a hitch.

Justin Grandjambe is one of them.

Grandjambe, 38, is an environmental technician at Diavik Diamond Mine — the largest producing mine in the Northwest Territories. Originally from Fort Good Hope, he now calls Yellowknife home along with his wife and two sons.

His duties align with requirements under land use and water licenses issued to Diavik, ensuring the mine is operating at the highest environmental standards. It's a varied job and every day has the potential to bring something different - from environmental sampling and spill follow-up, to safely and respectfully steering wildlife away from camp.

Grandjambe says he chose to work in the mining industry because of the opportunities it offered. "After working a number of jobs in Yellowknife, the mining industry seemed like a place in which I could pursue a career," he says.

He found the opportunity he was looking for as an environmental technician.

Since his initial training in environmental sampling, Grandjambe's 13 years at Diavik have been marked by a steady progression of professional development and career growth. Today, his resume packs a real punch — largely gained on-the-job.

"I have had the chance to access many training opportunities, Grandjambe says. "I've taken the Aboriginal Leadership Development program offered with the Southern Alberta Institute of Technology; Environmental Monitoring certification through the GNWT Apprenticeship and Occupational Certifications program; and the ArcGIS Technology Specialty Certification program through the Northern Alberta Institute of Technology."

Grandjambe believes his new profession has also opened doors in his personal life.



“My job comes with an excellent income and great benefits. Soon after I started working at Diavik, my wife decided she wanted to go back to school. She completed her degree in education and I was able to support her and our family through the entire process. I don’t think we could have done that with the kind of work I was doing before Diavik.”

Beyond the direct and immediate benefits of well-paying job like his own, Grandjambe believes that NWT mines are helping his territory in other ways as well. “They make donations to local organizations, support educational and literacy initiatives and help fund community sports and events. These are all things that make our communities better places to live.”

For Grandjambe, the decision to be a part of the NWT’s mining industry has been a positive experience.

“I’m lucky. I get to work outdoors with great people, learn new things all the time, and take home a good paycheque,” he says. “I went into the mining industry to provide a better life for my family, and so far I feel like I’m doing just that.”



## **PwC Report – 2017 Mine 2017: Stop. Think ... Act**

The latest annual report from Price Waterhouse Coopers is now available.

*Welcome to PwC's 14th annual review of global trends in the mining industry – Mine. This analysis is based on the financial performance and position of the global mining industry as represented by the Top 40 mining companies by market capitalisation.*

*Recovering from 2015's race to the bottom, the members of the Top 40 paused and drew breath in 2016. Rapidly rising commodities prices promised a way forward and the valuations of the Top 40 responded. But, valuations aside, there is little to suggest that the group made any substantial advances throughout the year.*

*At first glance, the 2016 financial data seems a little dull. The numbers, however, highlight the symptoms of a broader inertia.*

*We believe the industry is determining its next move. The poor results of 2015 demanded a reaction and short-term price rebounds provided the scaffolding to make the Top 40 great again. However, restraint was the order of the day. A price rise was welcomed but with cautious optimism and warnings to heed the lessons of the past.*

*The narrative of the Top 40 in 2016, therefore, reads like a mine site safety mantra: Stop. Think... Act. The industry has stopped feeling so anxious and is now considering "Where to from here?". Some members of the Top 40 stated their intentions, but 2016 was not a year of action. We now wait to see how the industry will advance.*

Download and read the full report [here](#).



## Member News Releases This Past Month

Click on the news release headlines which are live links for news releases issued by our member companies this past month.

- 29 June 2017, [Crystal Closes Financing](#)
- 29 June 2017, [Seabridge Gold Reports on Results of Annual Meeting of Shareholders](#)
- 28 June 2017, [North Arrow Announces Drilling Program Begins at Naujaat Diamond Project, NU](#)
- 28 June 2017, [Canadian Zinc Reports on Annual General Meeting of Shareholders](#)
- 27 June 2017, [Avalon to Receive Ontario Government Funding for Lithium Project](#)
- 27 June 2017, [Mountain Province Announces Results of Fifth Diamond Sale, Operational Update](#)
- 27 June 2017, [TerraX Commences District Scale Exploration Program at Yellowknife City Gold](#)
- 23 June 2017, [Sabina Gold & Silver Reports NIRB Final Hearing Exhibits and Transcripts Available](#)
- 22 June 2017, [Silver Range Stakes Large Property Adjoining the Back River Project](#)
- 22 June 2017, [Fortune Minerals Announces Results of Annual/Special Shareholders Meeting](#)
- 22 June 2017, [DeBeers Group to Consider Investments in Start-Ups](#)
- 21 June 2017, [TMAC Resources' Shareholders Elect All Nine Nominees to Board of Directors](#)
- 21 June 2017, [Fortune Minerals Appoints COO as it Prepares for NICO Construction](#)
- 20 June 2017, [De Beers Rough Diamond Sales for Cycle 5, 2017](#)
- 20 June 2017, [Darnley Bay Seeks Shareholder Approval to Change Name to Pine Point Mining](#)
- 19 June 2017, [Peregrine Diamonds Commences 2017 Work Program at Chidliak](#)
- 19 June 2017, [Kennady Announces Positive Faraday Kimberlite Diamond Recovery Results](#)
- 15 June 2017, [KIA and Agnico Eagle Sign IIBA for the Whale Tail Gold Project](#)
- 15 June 2017, [Auryn Resources to file updated Technical Report for Committee Bay](#)
- 14 June 2017, [TerraX extends strike at Sam Otto Zone](#)
- 13 June 2017, [Auryn Begins Drilling at Committee Bay, Exploration at Gibson MacQuoid](#)
- 13 June 2017, [Sabina Intercepts Mineralization 300 Meters Down Plunge of Current Resource](#)
- 13 June 2017, [Dominion Diamond Corporation Announces Election of Directors](#)
- 12 June 2017, [Crystal Exploration Announces Private Placement](#)
- 12 June 2017, [Dominion Diamond Reports Fiscal 2018 First Quarter Results](#)
- 8 June 2017, [Nighthawk Continues To Expand High Grade Zone 1.5 at Colomac](#)
- 7 June 2017, [Annual Mine Rescue Competition Celebrates Its 60th Year](#)
- 5 June 2017, [Auryn Announces 2017 Annual General and Special Meeting Voting Results](#)
- 5 June 2017, [Dominion Diamond Consolidates Ownership Interest in the Ekati Diamond Mine](#)
- 2 June 2017, [Darnley Bay Intersects 72m 5.6% Zinc And 1.8% Lead at Pine Point, Files on SEDAR](#)
- 31 May 2017, [Mountain Province Provides Update and Announces Extension of Lenders' Waiver](#)
- 30 May 2017, [Dominion Announces Jay Project Water Licence Recommended for Approval](#)





## **Welcome New Members!**

On behalf of the northern minerals industry, we would like to welcome the following new members to the Chamber of Mines. We encourage your support of their business. Please join us in a warm welcome to:

- **The Days Inn & Suites, Yellowknife** has everything you need under one roof. The Days Inn & Suites Yellowknife has you covered. Getting here is simple with a complimentary shuttle bus to and from airport. Enjoy the spacious lobby. Stay on top of things with the hotel's business centre. Relax in the hotel's sauna or work out in the fitness centre with cardio equipment and weights. Other amenities include laundry/dry cleaning, safe deposit boxes and luggage storage. Click [here](#) to learn more.
- **Dunnedin Ventures Inc.** is an exploration company based out of Vancouver, BC. Their main focus is the advanced stage Kahuna Project in Nunavut, which Dunnedin entered into an option agreement to fully acquire in January 2015. The Kahuna Project is favorably located in close proximity to Rankin Inlet and deep water access at Hudson Bay. It has a high-grade, near-surface inferred diamond resource and significant gold in tills. The company has further work planned on both diamond and gold targets. With a highly experienced team, Dunnedin is excited to move the Kahuna Project forward and grow the company into a major player in the Canadian mining sector. Click [here](#) to learn more.
- **Event Rentals Yellowknife Ltd.** provides equipment rentals for any event, at any location, in any season, and provides delivery and pickup services, setup and take down services, as well as some event and logistics coordination services. They go the extra mile to ensure your event is a success. Click [here](#) to learn more.
- **NxGold Ltd.** is an exploration and development company focused on pursuing high grade gold opportunities in world-class mining districts. The company was founded by the team behind NexGen Energy Ltd. and will employ the same disciplined approach to exploration/development. NxGold's Nunavut work is focused on the Kuulu project located 40km northwest of the port town of Rankin Inlet. Click [here](#) to learn more.
- **Stanton Suites Hotel, Yellowknife** is located in Yellowknife, convenient to Prince of Wales Northern Heritage Centre and Yellowknife Veterans Memorial. This eco-friendly hotel is within the vicinity of Northern Frontier Visitors Center and Cameron River Ramparts. Make yourself at home in one of the 54 air-conditioned rooms featuring flat-screen televisions. Complimentary wireless Internet access keeps you connected, and satellite programming is available for your entertainment. Private bathrooms with shower/tub combinations feature complimentary toiletries and hair dryers. Conveniences include complimentary newspapers and coffee/tea makers, and housekeeping is provided daily. Click [here](#) to learn more.



## Calendar of Events

- **Opportunities North**, September 12-14, 2017, Edmonton, AB. An annual joint initiative of the Yukon Chamber of Commerce, Northwest Territories Chamber of Commerce and Edmonton Chamber of Commerce, the Opportunities North business conference features: industry renowned speakers, a dynamic tradeshow, and integrated tour components affording numerous networking opportunities for both local and traveling attendees. Learn more [here](#).
- **Mining Diesel Emissions Council**, October 3-5, 2017, Hilton Toronto Airport Hotel. This annual conference is a global forum for learning and sharing the latest practices and research to control and reduce diesel emissions in the mining workplace environment. The conference includes a field trip, a workshop, technical sessions / presentations, and an exhibitors' area for companies and organizations. Early bird registration deadline is September 1. Additional details can be found [here](#).
- **Canadian Aboriginal Minerals Association 25<sup>th</sup> Anniversary Conference: "Water For Life, Mining For Need, Achieving Balance"**. November 12-14, 2017, Toronto, ON. For more information and to register, visit [here](#).
- **45<sup>th</sup> Annual Yellowknife Geoscience Forum**, the North's largest combined tradeshow and conference, will be held November 14 - 16, 2017 in Yellowknife, NT. Watch for updates at the website [here](#).
- [Our Land, Our Future: National Summit on Indigenous Youth and Natural Resource Development](#), Conference Board of Canada, Calgary, AB November 21 - 22, 2017. Relationships between industry, government and Indigenous peoples lie at the heart of Canada's natural resource sector. Each holds a powerful position with unique rights and responsibilities. A collaborative, mutually-beneficial approach is also critical to ensuring sustainable, environmentally responsible development. Click title to learn more.
- **Association for Mineral Exploration Roundup 2018**, January 22-25, 2018, Vancouver, BC. Roundup brings together geoscientists, prospectors, investors, suppliers and First Nation partners to share ideas that will help shape the future of mineral exploration and development in Canada. Learn more [here](#).
- **PDAC 2018 International Convention, Trade Show & Investors Exchange** - March 4 - 7, 2018, Metro Toronto Convention Centre, Toronto, ON. Learn more [here](#).
- **Resources for Future Generations (RFG2018)**, June 16-21, 2018, Vancouver Convention Centre, BC. With themes covering all of the key geoscience sectors across all of professional practice – Minerals, Energy, Water and the Earth. Organizers are calling for Sessions and you can submit your session proposal at: [www.RFG2018.org](http://www.RFG2018.org). Abstracts will be sought in June 2017.

## Mines & Promising Northwest Territories Mine Projects

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

Project Name	Owner(s)	Commodity	Description	Status
<a href="#">Ekati Mine</a>	<a href="#">Dominion Diamond Corporation</a> , and Dr. Stewart Blusson.	Diamonds	Canada's first and largest diamond mine, 310 km. NE of Yellowknife. Open pit and underground. Mine life to 2020. Workforce in 2015 approximately 1,800. The Ekati mine consists of two joint ventures, the Core Zone Joint Venture and the Buffer Zone Joint Venture, in which the Company has an interest of 88.9% and 72.0%, respectively. All of the production in fiscal year 2017 was sourced from the Core Zone.	<p>News Release, June 13, 2017: Dominion Diamond Corporation Announces Election of Directors</p> <p>News Release, June 12, 2017: Dominion Diamond Reports Fiscal 2018 First Quarter Results</p> <p>News Release, June 5, 2017: Dominion Diamond Consolidates Ownership Interest in the Ekati Diamond Mine</p> <p>News Release, May 30, 2017: Dominion Diamond Announces Jay Project Water Licence Recommended for Approval</p>
<a href="#">Diavik Mine</a>	<a href="#">Rio Tinto &amp; Dominion Diamond Corporation</a>	Diamonds	Canada's largest producer of diamonds, 300 km NE of Yellowknife. Mine life to 2025. Became all underground mine in 2012. Workforce approximately 1,000. Work to develop new A21 open pit has begun and will cost US\$350m over 4 years. A-21 is on track to commence ore production in the second half of 2018. The A-21 workforce will peak at approximately 200 people. Proven and probable reserves at Dec 31, 2016 were 16.3 million tonnes at 2.8 carats/tonne for total of 46.0 million carats.	News Release, March 31, 2017: Dominion Diamond Files Updated Technical Report for the Diavik Diamond Mine
<a href="#">Gahcho Kué Mine</a>	<a href="#">De Beers Canada</a> (51% is operator) and <a href="#">Mountain Province</a> (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 and employs approximately 530 people full-time, with the majority working a two-week in/two-week out rotation. Plan is for three open pits.	<p>News Release, June 20, 2017: De Beers Rough Diamond Sales for Cycle 5, 2017</p> <p>News Release, Mountain Province, June 9, 2017: Mountain Province Diamonds Announces Change in Executive Leadership</p> <p>News Release, Mountain Province, May 31, 2017: Mountain Province Diamonds Provides Operational Update and Announces Extension of Lenders' Waiver</p> <p>News Release, May 30, 2017: Dominion Diamond Announces Jay Project Water Licence Recommended for Approval</p>
<a href="#">Prairie Creek</a>	<a href="#">Canadian Zinc Corporation</a>	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. Preliminary Feasibility Study completed in early 2016 supports longer, 17-year mine life. The company's proposal to construct a new airstrip and all-weather road is undergoing environmental assessment.	<p>News Release: June 28, 2017: Canadian Zinc Reports on Annual General Meeting of Shareholders</p> <p>News Release: May 15, 2017: Canadian Zinc Reports Financial Results and Activity Update for Q1 2017</p>
<a href="#">NICO</a>	<a href="#">Fortune Minerals Ltd.</a>	Cobalt-gold-	Proposed open pit and underground mine located 50 km NE of Wha Ti.	News Release, 22 June 2017: Fortune Minerals Announces Results of Annual and Special Meeting of Shareholders

		bismuth-copper	Estimated mine jobs: 150. Requires access to highway to Wha Ti, still to be constructed.	<p>News Release, June 21, 2017: Fortune Minerals Appoints Chief Operating Officer as it Prepares for Construction NICO Project</p> <p>News Release, April 25, 2017: Fortune Minerals Retains Hatch and Micon to Update NICO Feasibility Study to Support Project Financing</p> <ul style="list-style-type: none"> <li>Cobalt demand accelerating in batteries for automotive electrification and stationary storage</li> </ul>
Kennady North	Kennady Diamonds Inc.	Diamonds	Kennady Diamonds controls 100% of Kennady North project comprising 13 leases and claims immediately to north and west of 4 leases controlled by the Gahcho Kué Joint Venture (see above). Kennady Diamonds aims to identify a resource along the Kelvin – Faraday kimberlite corridor of between a 12 and 15 million tonnes at a grade of between 2 and 2.5 carats per tonne and also to identify new kimberlites outside of the corridor. The Kelvin – Faraday corridor is a target for further exploration. The tonnage estimate is based on the drilling completed to date. The potential quantity is conceptual in nature as there has been insufficient drilling to define a mineral resource and it is uncertain if further exploration will result in the target being delineated as a mineral resource.	News Release, June 19, 2017: Kennady Diamonds Announces Positive Faraday Kimberlite Diamond Recovery Results
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 in 2015 to attract Project financing and allow construction work to begin by summer 2015.	News Release, April 7, 2017: Avalon Appoints Ms. Patricia Mohr to its Board of Directors
Indin Lake	Nighthawk Gold	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)	News Release June 8, 2017: Nighthawk Continues to Expand High Grade Zone 1.5 at Colomac Intersecting 23.70 Metres of 4.78 gpt Au (Uncut), Including 10.20 Metres of 10.14 gpt Au (Uncut)
Pine Point	Darnley Bay Resources	Lead-zinc	Proposed open pit mine east of Hay River, NT. 10 open pits mined sequentially with 321 jobs. Darnley Bay Resources acquired the project in 2017, and has begun active exploration to advance the project. Darnley Bay Resources is planning to start feasibility study in September, with results expected the following year. PEA quotes 13 year mine life.	<p>News release, June 20, 2017: Darnley Bay Seeks Shareholder Approval to Change Name to Pine Point Mining Limited</p> <p>News Release, June 2, 2017: Darnley Bay Intersects 72 M of 5.6% Zinc and 1.8% Lead at Pine Point, Files Preliminary Economic Assessment Technical Report on SEDAR</p> <p>News Release, May 3, 2017: Darnley Bay Releases Initial Drill Results Intersecting 50.5 M of 9.03% Zn and 4.10% Pb at Pine Point</p>

<a href="#">Courageous Lake</a>	<a href="#">Seabridge Gold Inc.</a>	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.	<p>News Release, June 29, 2017: Seabridge Gold Reports on Results of Annual Meeting of Shareholders</p> <p>News Release, May 12, 2017: Seabridge Gold Files First Quarter Financial Statements and MD&amp;A</p> <p>News Release, May 11, 2017: Seabridge Gold Publishes 2016 Annual Report</p>
<a href="#">Selwyn (Howard's Pass Project)</a>	<a href="#">Selwyn Chihong Mining Ltd.</a>	Zinc, lead	<p>Proposed base metal mine in Yukon on NWT border and access is through NWT. Agreements signed with NWT (Sahtu) Aboriginal 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.</p> <p>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.</p>	<p>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.</p> <p>The HPAR was developed in the 1970s, and runs from the Nahanni Range Road to the NWT-Yukon border. Passing through 2 national parks.</p> <p>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.</p>
<a href="#">Snap Lake Mine (Suspended, on care &amp; maintenance)</a>	<a href="#">De Beers Canada</a>	Diamonds	Canada's first all underground diamond mine. 220 kilometres NE of Yellowknife. Mine life to 2028. Workforce approximately 750. Due to low diamond prices, De Beers put the Snap Lake mine on care and maintenance in December 2015.	News Release, December 16, 2016: Extended Care and Maintenance to Proceed at Snap Lake Mine
<a href="#">Cantung Mine (Closed, on care &amp; maintenance)</a>	<a href="#">North American Tungsten</a>	Tungsten, copper	<p>Cantung is in the mountains of western NWT, ~300 km by road NE of Watson Lake, Yukon.</p> <p>North American Tungsten (NATC) filed for Court protection under the CCAA on June 9, 2015.</p> <p>In accordance with the Operating Plan, the mill at the Cantung mine site was shut down on October 26, 2015, and transition of the Cantung mine to care and maintenance is expected to be completed on or about November 18, 2015.</p>	GNWT News Release, November 19, 2015: NWT Government Purchases Mactung assets of Cantung



## Mines & Promising Nunavut Mine Projects

The following table describes a number of leading mineral development projects in Nunavut.

Project	Owner(s)	Commodity	Description	Status
<a href="#">Meadowbank Gold Mine</a>	<a href="#">Agnico Eagle Mines</a>	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.	News Release, June 15, 2017: KIA and Agnico Eagle Sign IIBA for the Whale Tail Gold Project  News Release, April 28, 2017: Agnico Eagle Announces Election of Directors  News Release, April 27, 2017: Agnico Eagle Reports Q1 2017 Results; including favourable Drilling Results at Amaruq
<a href="#">Mary River Iron Mine</a>	<a href="#">Baffinland Iron Mines Corporation</a>	Iron	In operation since September 2014; Open pit mine located 936 km N of Iqaluit. Mine jobs: 602 Production from Early Revenue Phase (ERP) began September 8, 2014. 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 14, 2015.	News posted May 24, 2017: Attend one of Baffinland's Phase 2 Information Sessions  News posted May 15, 2017: Baffinland and QIA Approve 2017 IIBA Work Plan for Mary River Mine
<a href="#">Hope Bay</a> (Mine began commercial production May 15, 2017)	<a href="#">TMAC Resources Inc.</a>	Gold	Gold mine 130 km S of Cambridge Bay. TMAC's property covers the majority of the Hope Bay Greenstone Belt. Estimated mine jobs: 485 Mine nearing commercial production in February 2017.	News Release, June 21, 2017: TMAC Resources' Shareholders Elect all Nine Nominees to Board of Directors  News Release, May 24, 2017: TMAC Resources Receives Madrid Type B Water Licence  News Release, May 23, 2017: TMAC Resources Announces Commercial Production at Doris Mine and Mill Complex  News Release, May 15, 2017: TMAC Reports Operating and Financial Results for First Quarter of 2017
<a href="#">Meliadine</a>	<a href="#">Agnico Eagle Mines Ltd.</a>	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 is estimated to be \$911m; initial production life of 9 years. On February 15, 2017: Agnico Eagle announced that Meliadine and Amaruq projects approved for development with production beginning in 2019.	News Release February 15, 2017: Agnico Eagle Announced that Meliadine and Amaruq Projects Approved for Development
<a href="#">Back River</a>	<a href="#">Sabina Gold &amp; Silver Corp.</a>	Gold	Approximately 60KM from Hackett River; adjacent to the Wishbone Greenstone belt. Consists of the George and Goose Lake deposits and holds significant gold resources. Estimated construction jobs: 1,600	News Release, June 23, 2017: Sabina Gold & Silver Reports NIRB Final Hearing Exhibits and Transcripts Available

			Estimated mine jobs: 900 Sabina's Feasibility Study on its 100% owned Back River Gold Project presents a project that has been 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.	News Release, June 14, 2017: Sabina Gold & Silver Intercepts Llama Mineralization 300 Meters Down Plunge of Current Resource
Kiggavik	AREVA Resources Canada Inc.	Uranium	Proposed uranium mine 80 km W of Baker Lake. Estimated Construction jobs: 750 Estimated mine jobs: 600	July 25, 2016, Federal Minister of Indigenous and Northern Affairs Canada, on behalf of the Ministers of Fisheries, Oceans and the Canadian Coast Guard, Natural Resources, Transport as responsible ministers for this project with jurisdictional responsibility for authorizing whether the Kiggavik Project should or should not proceed, accept the Board's determination that the Project should 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	MMG examining alternative designs to reduce costs, add value, and improve economic viability of the project. Company stated publicly that project needs infrastructure assistance to become a mine. News Release, September 27, 2016: MMG plans CEO succession
Chidliak	Peregrine Diamonds Ltd.	Diamonds	Located 120 kilometres NE of Iqaluit, the capital of Nunavut, and 180 km S of Pangnirtung. 74 kimberlites discovered to date with 8 potentially economic. Positive Phase One Preliminary Economic Assessment in July 2016 highlights: <ul style="list-style-type: none"> <li>• After-tax payback period of 2 years,</li> <li>• LOM of 10 years.</li> <li>• Commercial production 2021 with 3-year construction schedule.</li> <li>• LOM average production rate of 1.2 million carats per annum, peaking at 1.8 million carats per year.</li> <li>• LOM average head grade 1.67 ct/T</li> <li>• Estimated pre-production capital requirement of approximately C\$434.9 million, includes construction of 160 kilometre, all-weather road to connect to Iqaluit, the capital of Nunavut.</li> <li>• 2,000 tonnes per day.</li> <li>• LOM Opex of C\$94.4/tonne of C\$57.7/carats.</li> </ul>	News Release, June 19, 2017: Peregrine Diamonds Commences 2017 Work Program at Chidliak  News Release, March 30, 2017: Peregrine Diamonds Announces Results of Voting For Election of Directors  News Release, March 6, 2017: Peregrine Diamonds Completes Internal CH-6 Open Pit and Underground Mining Study and Revises 2017 Work Program
Angilak	Kivalliq Energy Corp.	Uranium	340,268 acre property located SW of Baker Lake; Hosts the high-grade Lac 50 Trend deposit	News Release, January 16, 2017: Kivalliq Energy Announces \$3 Million Financing Package; Sandstorm Makes Equity Investment and Payment for Royalty Portfolio
Qilalugak	North Arrow Minerals / Stornoway Diamonds	Diamonds	7 km from tidewater; 9 km from Repulse Bay, Melville Peninsula; 7,143 hectares of contiguous mineral claims. Largest kimberlite in Nunavut.	News Release, June 28, 2017: North Arrow Announces Drilling Program is Underway at Naujaat Diamond Project, NU  News release May 18, 2017: North Arrow Closes Non-Brokered C\$5M Private Placement Financing

## NWT & Nunavut Chamber of Mines – Northern Mining News

<a href="#">Committee Bay Gold Project</a>	<a href="#">Auryn Resources</a> (purchased North Country Gold Corp.)	Gold	Committee Gold Bay Project Highlights: <ul style="list-style-type: none"> <li>• High grade gold endowment</li> <li>• Existing exploration infrastructure</li> <li>• 217,600 hectares with district scale discovery opportunities</li> </ul>	<p>News Release, June 15, 2017: Auryn Resources to file updated Technical Report for Committee Bay</p> <p>News Release, June 13, 2017: Auryn Resources Commences Drilling at Committee Bay, Exploration at Gibson MacQuoid</p> <p>News Release, June 5, 2017: Auryn Resources Announces 2017 Annual General and Special Meeting Voting Results</p> <p>News Release, April 20, 2017: Auryn Resources Commences Spring Mobilization at the Committee Bay Gold Project and Provides Arctic Exploration Update</p>
<a href="#">Hackett River</a>	<a href="#">Glencore</a>	Zinc, Silver, Copper, Lead	Proposed open pit mine. One of largest undeveloped VMS massive sulphide deposits in the world. 104 km SSW of Bathurst Inlet. Estimated construction jobs: 800 Estimated mine jobs: 500	PFS initiated in September, 2012. No activity reported in 2015.



Construction is progressing on Agnico Eagle's Meliadine mine.



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## Project Maps

